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	nAPP2115333378
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party EOG Resources, Inc.			OGRID 7	7377			
Contact Name Chase Settle		Contact Telephone 575-748-1471					
Contact email Chase_Settle@eogresources.com		Incident #	# nAPP2115333378				
Contact mai	ling address	104 S. 4th St	reet, Artesia,	NM 8	8210		
			Location	n of R	Release So	Source	
Latitude 32	.71497				Longitude _	-104.43501	
			(NAD 83 in a	lecimal de	grees to 5 decin	imal places)	
Site Name G	erard AW	/ Batterv			Site Type	Batterv	
Date Release	Discovered	05/25/2021			API# (if app		
			1				
Unit Letter	Section	Township	Range		Cour	ınty	
0	25	18S	25E	Edd	У		
Surface Owne	er: State	☐ Federal ☐ T	ribal 🖊 Private	(Name:	Lucid En	nergy	
Surface 5 Wife	a s.a.c		Tiour W Tirvate	(1 rearries		,	
			Nature an	d Vo	lume of l	Release	
	Materia	al(s) Released (Select a	all that apply and attac	ch calcula	tions or specific	c justification for the volumes provided below)	
Crude Oi	1	Volume Releas	ed (bbls) Unkno	wn		Volume Recovered (bbls) 0	
Produced	Produced Water Volume Released (bbls)			Volume Recovered (bbls)			
			ntion of dissolved	chlorid	e in the	☐ Yes ☐ No	
produced water >10,000 mg/l? Condensate Volume Released (bbls)			Volume Recovered (bbls)				
			Volume Recovered (Mcf)				
		`	` ′				
Other (describe) Volume/Weight Released (provide units))	Volume/Weight Recovered (provide units)				
Cause of Da	lanca i ii i				D0 4 64		
Cause of Re.	unkno unkno	ricai impacts di own.	scovered durir	ig the	P&A of the	e battery. Release volume and date are	
1							

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Page 2 Oil Conservation Division

Page	2	of	4	14
		_		

Incident ID	nAPP2115333378
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Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the respon	sible party consider this a major release?
☐ Yes ☑ No		
If YES, was immediate no	otice given to the OCD? By whom? To wh	om? When and by what means (phone, email, etc)?
	Initial Ro	esponse
The responsible	party must undertake the following actions immediatel	vunless they could create a safety hazard that would result in injury
✓ The source of the rele	ease has been stopped.	
☑ The impacted area ha	s been secured to protect human health and	the environment.
Released materials ha	ave been contained via the use of berms or d	ikes, absorbent pads, or other containment devices.
	ecoverable materials have been removed and	
If all the actions described	d above have <u>not</u> been undertaken, explain v	vhy:
has begun, please attach	a narrative of actions to date. If remedial	emediation immediately after discovery of a release. If remediation efforts have been successfully completed or if the release occurred lease attach all information needed for closure evaluation.
regulations all operators are public health or the environr failed to adequately investig	required to report and/or file certain release notinent. The acceptance of a C-141 report by the Cate and remediate contamination that pose a thre	best of my knowledge and understand that pursuant to OCD rules and fications and perform corrective actions for releases which may endanger CD does not relieve the operator of liability should their operations have at to groundwater, surface water, human health or the environment. In responsibility for compliance with any other federal, state, or local laws
Printed Name: Chase	Settle	Title: Rep Safety & Environmental Sr
Signature: Than	ettle	Date: 6/2/2021
email: Chase_Settle	@eogresources.com	Telephone: <u>575-748-1471</u>
OCD Only		
Received by:		Date:

	I
Incident ID	nAPP2115333378
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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.

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I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		
Title: Rep Safety & Environmental Sr		
Date: 11/29/2021		
Telephone: 575-748-1471		
Date:		

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Incident ID	nAPP2115333378
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Remediation Plan

Remediation Plan Checklist: Each of the following items must be included in the plan.		
 ✓ Detailed description of proposed remediation technique ✓ Scaled sitemap with GPS coordinates showing delineation point ✓ Estimated volume of material to be remediated ✓ Closure criteria is to Table 1 specifications subject to 19.15.29.1 ✓ Proposed schedule for remediation (note if remediation plan times) 	2(C)(4) NMAC	
Deferral Requests Only: Each of the following items must be con-	firmed as part of any request for deferral of remediation.	
Contamination must be in areas immediately under or around predeconstruction.	roduction equipment where remediation could cause a major facility	
Extents of contamination must be fully delineated.		
Contamination does not cause an imminent risk to human health	n, the environment, or groundwater.	
	e and remediate contamination that pose a threat to groundwater, acceptance of a C-141 report does not relieve the operator of	
Printed Name: Chase Settle	Title: Rep Safety & Environmental Sr	
Signature: Chase Settle	Date: 11/29/2021	
email: Chase_Settle@eogresources.com	Telephone: <u>575-748-1471</u>	
Jennifer Nobui Received by:	12/20/2021 Date:	
X Approved	Approval	
Signature: Jennifer Nobili	12/20/2021 Date:	

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Closure

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

Closure Report Attachment Checklist: Each of the following is	tems must be included in the closure report.
☑ A scaled site and sampling diagram as described in 19.15.29.1	11 NMAC
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate ODC	C District office must be notified 2 days prior to final sampling)
Description of remediation activities	
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and rephuman health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regular restore, reclaim, and re-vegetate the impacted surface area to the coaccordance with 19.15.29.13 NMAC including notification with 19.15.29.	nations. The responsible party acknowledges they must substantially anditions that existed prior to the release or their final land use in DCD when reclamation and re-vegetation are complete.
Printed Name: Chase Settle	Title: Rep Safety & Environmental Sr
Signature: Chase Settle	Date: 05/26/2022
email: Chase_Settle@eogresources.com	Telephone: 575-748-1471
OCD Only	
Received by:	Date:
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.
Closure Approved by:	Date:06/01/2022
Printed Name:Jennifer Nobui	Title:Environmental Specialist A

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



Our ref: 11228976

May 26, 2022

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

Re: Site Closure Report

Gerard AW Battery Release Site

EOG Resources Inc.

Incident ID: nAPP2115333378

O-25-18S-25E, Eddy County, New Mexico

To Whom It May Concern:

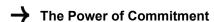
1. Introduction

GHD Services, Inc. (GHD), on behalf of EOG Resources (EOG), submits this Site Closure Report to the New Mexico Oil Conservation Division (NMOCD) District 2 Office. This Report provides documentation of delineation, sampling, remediation, and analyses in the affected area at the EOG Gerard AW Battery Release Site (Site). The Site is located in Unit Letter O Section 25 of Township 18 South and Range 25 East in Eddy County, New Mexico. The GPS coordinates for the release site are 32.71497 N latitude and 104.43501 W longitude. The release occurred on private surface owned by Lucid Energy. Figure 1, Site Location Map, depicts the Site location. The EOG Battery area and other site details are depicted on Figure 2, Site Assessment and Proposed Excavation Area.

2. Background Information

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

A Site Characterization and Remediation Work Plan dated November 29, 2021 was submitted to the NMOCD for consideration. The NMOCD approved the work plan with no conditions on December 20, 2021 and EOG was given until May 20, 2022 to complete the work. Remediation analytical results were still pending with the lab on May 20, 2022 and EOG submitted a Site Remediation Update dated May 20, 2022 to the NMOCD. The Release Notification, Site Assessment/Characterization, Remediation Plan, and Closure portions of Form C-141 for Incident Number nAPP2115333378 are attached to the front of this report.



3. Groundwater and Site Characterization

The release falls under the jurisdiction of the NMOCD District 2 in Artesia, New Mexico. GHD characterized the Site according to Table I, Closure Criteria for Soils Impacted by a Release, from New Mexico Administrative Code (NMAC) Title 19, Chapter 15, Part 29, Section 12 (NMAC 19.15.29.12).

According to the Site characterization evaluation and 19.15.29.12.C(4)(a)(i) the Site is located within an area of low karst potential. One water well was located within one half mile radius of the Site; the water well located approximately 0.32 miles from the site, has a recorded GW depth of one hundred ninety-four (194) feet. No other receptors (playas, wetlands, waterways, lakebeds or ordinance boundaries) were located within each specific boundaries or distance from the Site. According to the Site characterization evaluation and 19.15.29.12.C(4)(a)(i) the Site is located within an area with depth to groundwater greater than one hundred (100) feet and meets the closure criteria for depth to groundwater greater than one hundred (100) feet in Table 1 in NMAC 19.15.29.12. The Site characterization documentation (Well Log, Karst Potential, FEMA, Points of Diversion, Significant Water Course, and Wetlands maps) are provided in Attachment A, Site Characterization Documentation. The soil closure criteria are listed below:

General Site Characterization and Groundwater:

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

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

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

4. Initial Soil Delineation Assessment Summary and Findings

On July 1, 2021, GHD installed three (3) hand borings (HA), HA1 through HA3, within the suspected impacted area. Soil samples were collected at two (2) feet below ground surface. Soil samples were field screened for VOCs and chloride concentrations. HA1 and HA2 had VOC detections over 800 ppm. HA3 had a chloride concentration of 3,140 ppm.

On June 17, June 21, and July 8, 2021, GHD installed one (1) hand boring (HA1), and twelve (12) test pits (TP1 through TP12), within and around the suspected impacted area. Soil samples were collected at depths ranging from surface to twenty (20) feet below surface. All soil samples were analyzed for BTEX by EPA Method 8021B, TPH by Method 8015B Modified, and chloride by EPA Method 300 by Hall Environmental Analysis Laboratory (HEAL) in Albuquerque, New Mexico. Analytical results indicated TPH concentrations above 2,500 mg/kg at the TP9 location at two (2) feet below ground surface. None of the other samples collected exhibited benzene, BTEX, TPH, or chloride concentrations above Table I closure criteria.

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

5. Excavation, Waste Management and Confirmation Sampling

GHD and Standard Safety and Supply (SS) mobilized to the site on March 3, 2022, to excavate the affected soils. Excavation and confirmation sampling activities continued through May 20, 2022, and the extents were modified based off ongoing analytical sample results (discussed below). The area containing affected soil was excavated to depths ranging from approximately four (4) to twenty (20) feet below grade. During excavation activities test pit one (TP1) was deepened to fourteen (14) ft bgs and two (2) additional test pits were installed within the area to be excavated and samples were collected at varying depths (TP1-13', TP1-14', XTP-9, XTP-16', and XTP-17'). As shown in Figure 3, a total of sixty-eight (68) sidewall composite, and seventy-four (74) bottom hole composite confirmation samples were collected. Areas where sidewall and bottom hole composite samples (SW-4, SW-4A, SW-6, SW-32 SWX-2, SWX-3, SWX-6, SWX-10, SWX-12, SWX-13, BH-16, BH-23, BH-28, BH-29, BH-31, BH-39, BH-60, BH-60A, and Ramp-4) exceeded Table I closure criteria were excavated further and re-sampled. One hundred twenty-nine (129) confirmation samples were taken to HEAL in Albuquerque, New Mexico, thirteen (13) of the confirmation samples were taken to Cardinal Laboratories in Hobbs, New Mexico. All samples were analyzed for BTEX by EPA Method 8021B, TPH by Method 8015B Modified, and chloride by EPA Method 300. All confirmation samples collected as per the approved work plan. Laboratory Analytical Reports and Chain-of-Custody Documentation are provided in Attachment D. Analytical results are summarized in Table 1.

Analytical results indicated seven (7) of the fifty-nine (59) initial bottom hole confirmation samples exhibited exceedances above Table I closure criteria for groundwater greater than one hundred (100) feet; BH-16 (14'), BH-23 (14'), BH-28 (8'), BH-29 (8'), BH-31 (8'), BH-39 (4'), and Ramp-4 (4-14'). These areas were excavated further and resampled; BH-16A (16'), BH-23A (15'), BH-28A (20'), BH-29A (16'), BH-31A (9'), BH-56 (Ramp-4) (12-16'), and BH-60 (BH-39A) (9'). Three additional bottom hole samples were also collected BH-57 (12'), BH-58 (8'), and BH-59 (9'). Analytical results indicated one (1) bottom hole sample, BH-60, exhibited TPH concentrations above selected Table I closure criteria. This area was excavated further and resampled; BH-60A (12'), and two additional bottom hole samples were collected; BH-61 (4') and BH-62 (4') after further excavation of sidewalls. Analytical results indicated one (1) bottom hole sample, BH-60A, exhibited TPH concentrations above selected Table I closure criteria. This area was excavated further and resampled; BH-60B (16'). None of the final bottom hole confirmation samples exhibited benzene, BTEX, TPH, or chloride concentrations above the Table I closure criteria.

Analytical results indicated six (6) of the initial thirty-nine (39) sidewall composite samples exhibited exceedances above Table I closure criteria for 19.15.29.13 for restoration or Table I closure criteria for groundwater greater than one hundred (100) feet; SW-4, SWX-2, SWX-3, SWX-6, SWX-12, and SWX-13. These areas were excavated further and resampled (SW-4A, SWX-2A, SWX-3A, SWX-6A, SWX-12A, and SWX-13A). Sixteen (16) additional sidewall confirmation samples were also collected; SW-6 and SW-26 through SW-40. Two (2) of the sidewall confirmation resamples (SW-4A and SW-6) exhibited TPH concentrations above Table I closure criteria for 19.15.29.13 for restoration. These areas were excavated further and resampled (SW-4B and SW-6A).

Upon further review of the analytical results, it was determined that sidewall samples SW-32 and SWX-10 exhibited TPH concentrations above Table I closure criteria for groundwater greater than one hundred (100)

→ The Power of Commitment

feet below ground surface. These areas were further excavated on May 19, 2022, and new confirmation samples were collected on May 20, 2022. Sidewall sample BHX-10 was completely excavated, and a new bottom hole sample was collected from that area and was identified as BH-63 and was collected from fifteen (15) to sixteen (16) feet below grade. Sidewall sample SW-32 was further excavated and SW-32A was collected and bottom hole sample BH-64 was collected from sixteen (16) feet from the newly exposed area. The analytical results indicated that all final confirmation samples were below Table I closure criteria.

Waste Management activities were performed in coordination with EOG directives. EOG obtained regulatory approval via the successful processing of Form C-138 Request for Approval to Accept Solid Waste. The waste was approved for acceptance at the OCD-permitted (WM-1-035), Lea Land, LLC facility located at MM64, Highway 62/180 East, Carlsbad, NM, 88220. Approximately 11,597.88 tons of impacted soil was disposed of at Lea Land, LLC, the waste manifests from February 24 through May 19, 2022, are available upon request and are not included in this report due to size of the file. A Daily Disposal Summary is provided as Table 2. A photographic log is included as Attachment B. Confirmation Sampling Notifications are provided as Attachment C.

6. nAPP2115333378 Closure Request

Site characterization, soil delineation, and remediation activities for this incident number have been performed in accordance with applicable NMOCD guidelines and regulations. Based upon supporting documentation provided in this report, GHD, on behave of EOG, respectfully requests closure and no further regulatory actions for nAPP2115333378. Backfill activities have not been completed at this time but will be once backfill material is transported to the site.

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

Sincerely,

GHD

Nathan Reece

Environmental Scientist

Becky Haskell. Senior Project Manager

Rebecca Haskell

NR/bh/1

Encl. Figure 1 – Site Location Map

Figure 2 – Site Assessment Sampling Map

Figure 3 – Confirmation Sampling Map

Table 1 – Summary of Soil Analytical Data

Table 2 – Soil Disposal Summary Table

Attachment A – Site Characterization Documentation

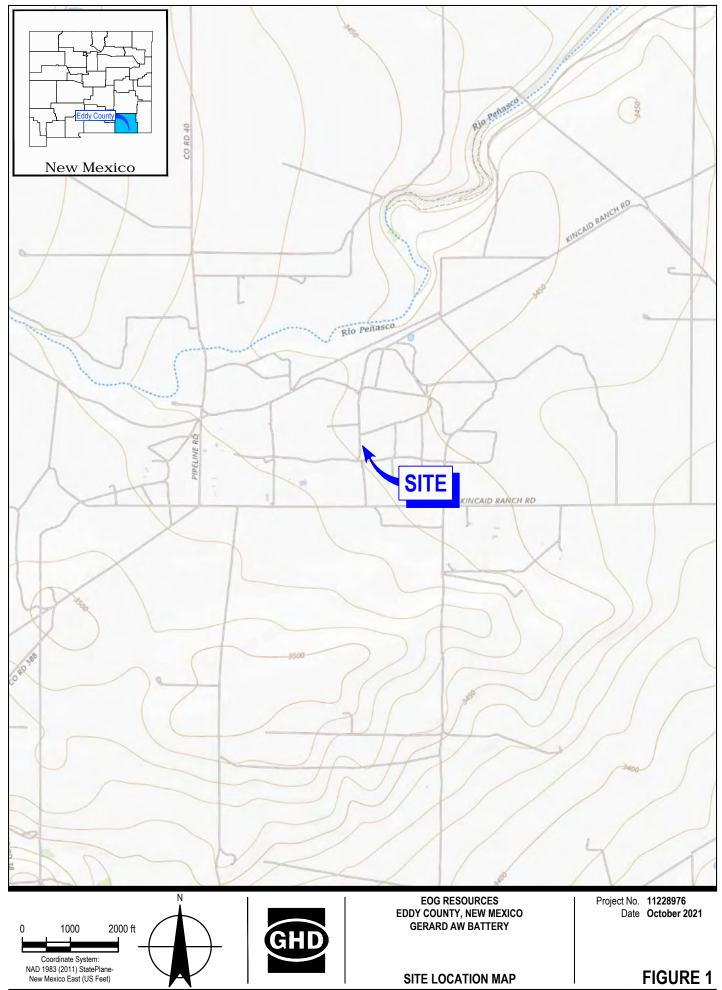
Attachment B - Photographic Log

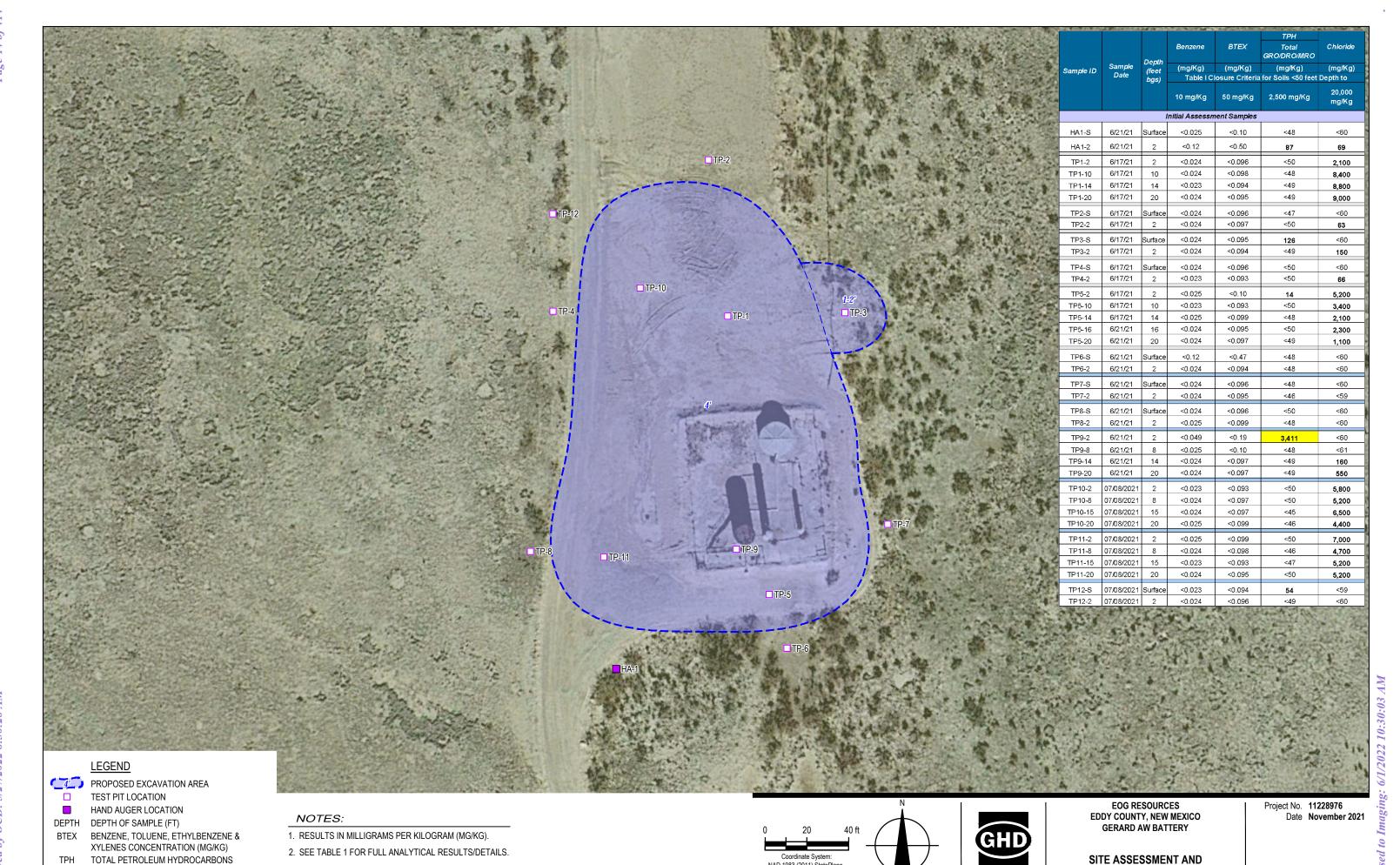
Attachment C - Confirmation Sampling Notifications

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

cc: Chase Settle

Figures





NAD 1983 (2011) StatePlane-

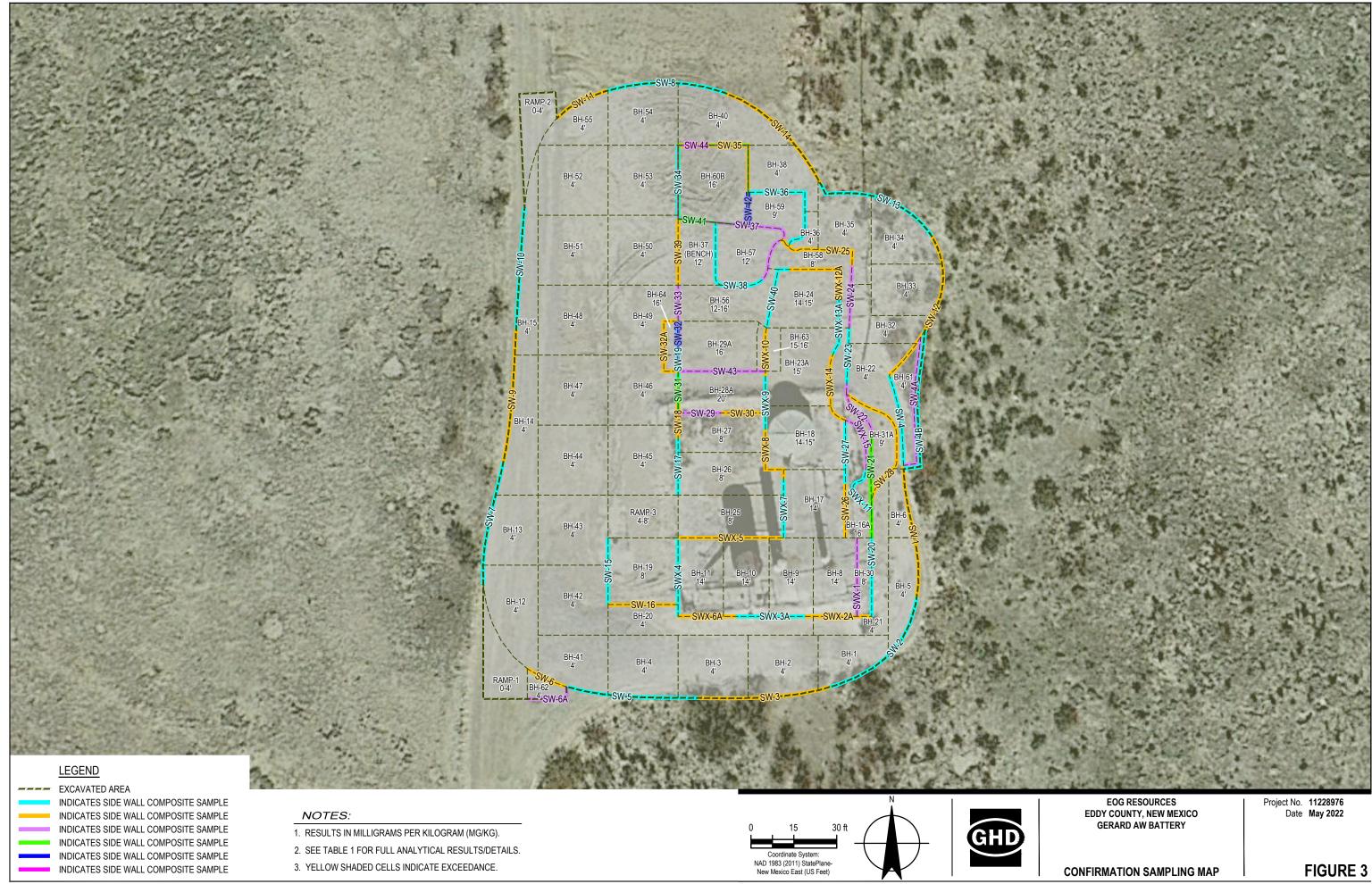
CONCENTRATION (MG/KG)

3. YELLOW SHADED CELLS INDICATE EXCEEDANCE.

PROPOSED EXCAVATION AREA

FIGURE 2

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Tables

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										ТРН		
			Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	Chloride
Sample ID	Sample	Depth	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
	Date	(ft bgs)			Table I C	losure Criteria	for Soil >100 fe	et Depth to Gro	undwater 19.1	5.29 NMAC		
			10 mg/kg				50 mg/kg	1,000	mg/kg		2,500 mg/kg	20,000 mg/kg
	'			•	Initial	Assessment S	Samples				•	,
HA1-S	6/21/2021	Surface	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.5	<48	<48	<60
HA1-2	6/21/2021	2	<0.12	<0.25	<0.25	<0.50	<0.50	<25	24	63	87	69
TP1-2	6/17/2021	2	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<10	<50	<50	2,100
TP1-10	6/17/2021	10	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.7	<48	<48	8,400
TP1-14	6/17/2021	14	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	<9.7	<49	<49	8,800
TP1-20	6/17/2021	20	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.8	<49	<49	9,000
TP2-S	6/17/2021	Surface	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.5	<47	<47	<60
TP2-2	6/17/2021	2	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<10	<50	<50	63
TP3-S	6/17/2021	Surface	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	16	110	126	<60
TP3-2	6/17/2021	2	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	<9.9	<49	<49	150
TP4-S	6/17/2021	Surface	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<10	<50	<50	<60
TP4-2	6/17/2021	2	<0.023	<0.046	<0.046	<0.093	<0.093	<4.6	<10	<50	<50	66
TP5-2	6/17/2021	2	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	14	<48	14	5,200
TP5-10	6/17/2021	10	<0.023	<0.046	<0.046	<0.093	<0.093	<4.6	<10	<50	<50	3,400
TP5-14	6/17/2021	14	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.6	<48	<48	2,100
TP5-16	6/21/2021	16	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<9.9	<50	<50	2,300
TP5-20	6/21/2021	20	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.8	<49	<49	1,100
TP6-S	6/21/2021	Surface	<0.12	<0.24	<0.24	<0.47	<0.47	<24	<9.6	<48	<48	<60
TP6-2	6/21/2021	2	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	<9.6	<48	<48	<60
TP7-S	6/21/2021	Surface	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.6	<48	<48	<60
TP7-2	6/21/2021	2	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.3	<46	<46	<59
TP8-S	6/21/2021	Surface	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.9	<50	<50	<60
TP8-2	6/21/2021	2	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.6	<48	<48	<60
TP9-2	6/21/2021	2	<0.049	<0.097	<0.097	<0.19	<0.19	11	2,000	1,400	3,411	<60
TP9-8	6/21/2021	8	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.6	<48	<48	<61
TP9-14	6/21/2021	14	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.8	<49	<49	160
TP9-20	6/21/2021	20	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.8	<49	<49	550

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										TPH		
			Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	Chloride
Sample ID	Sample	Depth	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
J	Date	(ft bgs)			Table I C	losure Criteria	for Soil >100 fe	et Depth to Gro	undwater 19.1	5.29 NMAC		
			10 mg/kg				50 mg/kg	1,000	mg/kg		2,500 mg/kg	20,000 mg/kg
TP10-2	7/8/2021	2	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	<9.9	<50	<50	5,800
TP10-8	7/8/2021	8	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<10	<50	<50	5,200
TP10-15	7/8/2021	15	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<9.0	<45	<45	6,500
TP10-20	7/8/2021	20	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.2	<46	<46	4,400
TP11-2	7/8/2021	2	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.9	<50	<50	7,000
TP11-8	7/8/2021	8	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.2	<46	<46	4,700
TP11-15	7/8/2021	15	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	<9.5	<47	<47	5,200
TP11-20	7/8/2021	20	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<10	<50	<50	5,200
TP12-S	7/8/2021	Surface	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	<9.7	54	54	<59
TP12-2	7/8/2021	2	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.8	<49	<49	<60
					Test Pit	During Excava	tion 3/2022					
TP1-13'	3/3/2022	13	<0.087	<0.17	<0.17	<0.35	<0.35	<17	29	<48	29	310
TP1-14'	3/3/2022	14	<0.014	<0.029	<0.029	<0.057	<0.057	<2.9	<10	<50	<50	1,300
XTP-16'	3/9/2022	16	<0.086	<0.17	<0.17	<0.34	<0.34	<17	250	110	360	5,800
XTP-17'	3/9/2022	17	<0.10	<0.21	<0.21	<0.41	<0.41	<21	200	100	300	7,500
XTP-9	3/14/2022	9	<0.016	<0.032	<0.032	<0.064	<0.064	<3.2	<10	<50	<50	6,400
					Bottom H	ole Confirmation	on Samples					
BH-1	3/7/2022	4	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.9	<49	<49	1,500
BH-2	3/7/2022	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	29	<47	29	2,400
BH-3	3/7/2022	4	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	25	<49	25	1,200
BH-4	3/7/2022	4	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<9.3	<46	<46	930
BH-5	3/8/2022	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	9.7	<46	9.7	920
BH-6	3/8/2022	4	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	110	100	210	970
BH-8	3/14/2022	14	<0.12	<0.24	<0.24	<0.48	<0.48	<24	480	200	680	2,600
BH-9	3/14/2022	14	<0.12	<0.24	<0.24	<0.48	<0.48	<24	810	310	1,120	1,500
BH-10	3/14/2022	14	<0.12	<0.24	<0.24	<0.48	<0.48	<24	68	51	119	1,300
BH-11	3/14/2022	14	<0.12	<0.24	<0.24	<0.49	<0.49	<24	360	170	530	710
BH-12	3/17/2022	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.4	<47	<47	510
BH-13	3/17/2022	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.4	<47	<47	1,100
BH-14	3/17/2022	4	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.4	<47	<47	2,100

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			Benzene	Toluene	Ethylbenzene	Xylenes	ВТЕХ	GRO (C6-C10)	DRO (C10-C28)	TPH MRO (C28-C35)	Total GRO/DRO/MRO	Chloride
Sample ID	Sample	Depth	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Gampio 12	Date	(ft bgs)			Table I C	losure Criteria	for Soil >100 fe	et Depth to Gro	undwater 19.1	5.29 NMAC		
			10 mg/kg				50 mg/kg	1,000	mg/kg		2,500 mg/kg	20,000 mg/kg
BH-15	3/17/2022	4	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.6	<48	<48	1,500
BH-16	3/23/2022	<i>‡</i>	₹0.12	₹0:24	0.37	≥0:49	0.37	34	1,100	430	1,564	4,800
BH-16A	4/19/2022	16	<0.089	<0.18	<0.18	<0.36	<0.36	<18	76	<47	76	1,800
BH-17	3/22/2022	14	<0.025	<0.049	0.41	0.12	0.53	24	460	170	654	3,400
BH-18	3/23/2022	14-15	<0.12	<0.24	1.4	0.56	1.96	67	960	370	1,397	4,700
BH-19	3/21/2022	8	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	500	220	720	1,900
BH-20	3/23/2022	4	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.8	<49	<49	1,700
BH-21	3/23/2022	4	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	120	100	220	2,600
BH-22	3/23/2022	4	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	100	120	220	1,700
BH-23	3/24/2022	f	₹0.12	₹0:25	2.4	1.7	4.4	140	1,900	830	2,870	6,400
BH-23A	4/20/2022	15	<0.082	<0.16	<0.16	< 0.33	<0.33	<16	260	110	370	9,000
BH-24	3/24/2022	14	<0.12	<0.25	<0.25	<0.50	<0.50	<25	660	240	900	7,900
BH-25	3/24/2022	8	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	69	52	121	4,600
BH-26	3/24/2022	8	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	150	87	237	2,400
BH-27	3/24/2022	8	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	250	120	370	1,400
BH-28	3/24/2022	Ž	₹0.42	₹0:25	0.42	≥0:49	0.42	30	1,200	570	1,890	2,900
BH-28A	4/20/2022	20	<0.019	<0.038	<0.038	<0.076	<0.076	<3.8	<9.6	<48	<48	9,400
BH-29	3/24/2022	\$	₹0.12	₹0.24	0.41	0:69	1.4	35	1,900	890	2,825	4,400
BH-29A	4/21/2022	16	<0.12	<0.25	<0.25	<0.50	<0.50	<25	1,000	470	1,470	7,300
BH-30	3/24/2022	8	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	220	150	370	3,300
BH-31	3/24/2022	Ž	<0.024	<0.948	₹0:048	0:13	0.43	34	1,400	730	2,161	2,100
BH-31A	4/20/2022	9	<0.066	<0.13	<0.13	<0.26	<0.26	<13	<9.8	<49	<49	1,700
BH-32	3/25/2022	4	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	140	280	420	1,300
BH-33	3/25/2022	4	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.7	<49	<49	1,200
BH-34	3/25/2022	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	32	86	118	1,600
BH-35	3/25/2022	4	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	450	380	830	1,100
BH-36	3/25/2022	4	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	640	430	1,070	3,800
BH-37	3/25/2022	4	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	440	290	730	4,400
BH-38	3/25/2022	4	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.9	<50	<50	1,000
BH-39	3/24/2022	*	₹0.024	₹0.948	0.16	≥0:096	0.52	22	1,100	640	1,762	1,700
BH-60 (BH-39A)	4/21/2022	\$	<0.025	<0.049	₹0:049	<0.099	<0.099	14	3,100	1,700	4,814	4,300

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										ТРН		
			Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	Chloride
Sample ID	Sample	Depth	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
·	Date	(ft bgs)			Table I C	losure Criteria	for Soil >100 fe	et Depth to Gro	undwater 19.1	5.29 NMAC		
			10 mg/kg				50 mg/kg	1,000	mg/kg		2,500 mg/kg	20,000 mg/kg
BH-60A (BH-39B)	5/10/2022	72	<0.050	<0:950	<0.050	<0.450	<0:300	≥10.0	1,880	432	2,312	8,000
BH-60B (BH-39C)	5/16/2022	16	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	8,000
BH-40	3/25/2022	4	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	40	59	99	1,000
BH-41	3/28/2022	4	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.8	<49	<49	820
BH-42	3/28/2022	4	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	58	65	123	1,200
BH-43	3/28/2022	4	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	29	<50	29	2,300
BH-44	3/28/2022	4	<0.12	<0.24	<0.24	<0.48	<0.48	<24	53	<49	53	2,500
BH-45	3/28/2022	4	<0.12	<0.25	<0.25	<0.49	<0.49	<25	340	180	520	1,800
BH-46	3/28/2022	4	<0.12	<0.24	<0.24	<0.48	<0.48	<24	270	160	430	3,100
BH-47	3/28/2022	4	<0.12	<0.24	<0.24	<0.47	<0.47	<24	150	93	243	4,600
BH-48	3/28/2022	4	<0.12	<0.25	<0.25	<0.49	<0.49	<25	290	160	450	4,800
BH-49	3/28/2022	4	<0.12	<0.25	<0.25	<0.49	<0.49	<25	630	330	960	3,000
BH-50	3/28/2022	4	<0.12	<0.25	<0.25	<0.49	<0.49	<25	710	450	1,160	3,500
BH-51	3/28/2022	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	68	50	118	4,600
BH-52	3/28/2022	4	<0.12	<0.25	<0.25	< 0.49	<0.49	<25	100	73	173	4,100
BH-53	3/28/2022	4	<0.12	<0.23	<0.23	<0.47	<0.47	<23	260	<250	260	2,700
BH-54	3/28/2022	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	23	<48	23	2,400
BH-55	3/28/2022	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	35	<50	35	2,100
BH-57	4/21/2022	12	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	230	110	340	5,500
BH-58	4/21/2022	8	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.7	<49	<49	910
BH-59	4/21/2022	9	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	25	<48	25	6,000
BH-61	5/10/2022	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	112	94.9	206.9	464
BH-62	5/10/2022	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1,550
BH-64	5/20/2022	16	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	121	13.6	134.6	6,880
Ramp-1	3/17/2022	0-4	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.6	<48	<48	510
Ramp-2	3/17/2022	0-4	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.7	<49	<49	470
Ramp-3	3/24/2022	4-8	<0.024	<0.048	0.060	<0.096	0.060	12	560	370	942	1,700
Ramp-4	37 24/2 022	4-14	₹0.12	₹0.25	1.7	2.5	4.2	95	1,500	710	2,305	3,600
BH-56 (Ramp-4A)	4/21/2022	12-16	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	470	220	690	12,000
					Sidewa	II Confirmation	Samples					
SW-1	3/2/2022	Sidewall	<0.024	<0.048	<0.048	< 0.097	<0.097	<4.8	170	300	470	260

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										ТРН		
			Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	Chloride
Sample ID	Sample	Depth	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
,	Date	(ft bgs)			Table I C	losure Criteria	for Soil >100 fe	et Depth to Gro	undwater 19.18	5.29 NMAC		
			10 mg/kg				50 mg/kg	1,000	mg/kg		2,500 mg/kg	20,000 mg/kg
SW-2	3/2/2022	Sidewall	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	120	230	350	110
SW-3	3/2/2022	Sidewall	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	13	<47	13	370
SW- 4	3/14/2022	Sidewall	<0.024	<0.048	₹0:048	<0.097	<0.097	~4.8	110	210	320	150
SW-4A	3/ 25/2 022	Sidewall	<0.025	<0.05 0_	<0.050	₹0:40	₹0.10	~5.0	420	1,100_	1,520	100
SW-4B	5/10/2022	Sidewall	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	160
SW-5	3/14/2022	Sidewall	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	12	<50	12	<60
SW-6	4/18/2022	Sidewall	≥0.01 9	<0.83 9	₹0.03 9	<0.078	< 0.078	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	~9.9	~50	~50	1,900
SW-6A	5/10/2022	Sidewall	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	19.0	14.2	33.2	<16.0
SW-7	3/17/2022	Sidewall	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.5	<48	<48	<61
SW-8	3/14/2022	Sidewall	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.8	<49	<49	460
SW-9	3/17/2022	Sidewall	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.4	<47	<47	<60
SW-10	3/17/2022	Sidewall	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.7	<48	<48	310
SW-11	3/17/2022	Sidewall	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.7	<48	<48	330.0
SW-12	3/25/2022	Sidewall	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.9	<49	<49	66
SW-13	3/25/2022	Sidewall	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.7	<48	<48	<60
SW-14	3/25/2022	Sidewall	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<10	<50	<50	220
SW-15	3/29/2022	Sidewall	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	82	62	144	370
SW-16	3/29/2022	Sidewall	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<8.9	<45	<45	520
SW-17	3/29/2022	Sidewall	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	12	<49	12	720
SW-18	3/29/2022	Sidewall	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.3	<47	<47	480
SW-19	3/29/2022	Sidewall	<0.023	<0.046	<0.046	<0.092	<0.092	<4.6	17	<42	17	1,500
SW-20	3/29/2022	Sidewall	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	110	140	250	3,700
SW-21	3/29/2022	Sidewall	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.5	<47	<47	1,000
SW-22	3/29/2022	Sidewall	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.9	<49	<49	1,400
SW-23	3/29/2022	Sidewall	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	<9.8	<49	<49	1,900
SW-24	3/29/2022	Sidewall	<0.023	<0.046	<0.046	<0.092	<0.092	<4.6	<9.0	<45	<45	1,900
SW-25	3/29/2022	Sidewall	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.9	<49	<49	1,300
SW-26	4/20/2022	Sidewall	<0.085	<0.17	<0.17	<0.34	<0.34	19	290	110	419	2,300
SW-27	4/20/2022	Sidewall	<0.17	<0.034	<0.034	<0.068	<0.068	<3.4	280	160	440	3,500
SW-28	4/20/2022	Sidewall	<0.086	<0.17	<0.17	<0.35	<0.35	38	340	130	508	580
SW-29	4/20/2022	Sidewall	<0.017	<0.034	<0.034	<0.067	<0.067	<3.4	<9.7	<48	<48	2,800

Received by OCD: 5/27/2022 8:30:28 AM

										TPH		
			Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	Chloride
Sample ID	Sample	Depth	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Gumpio 12	Date	(ft bgs)			Table I C	losure Criteria	for Soil >100 fe	et Depth to Gro	oundwater 19.1			
			10 mg/kg				50 mg/kg	1,000	mg/kg		2,500 mg/kg	20,000 mg/kg
SW-30	4/20/2022	Sidewall	<0.019	< 0.037	<0.037	<0.074	<0.074	<3.7	<9.7	<49	<49	3,700
SW-31	4/20/2022	Sidewall	<0.017	<0.034	<0.034	<0.069	<0.069	<3.4	<9.8	<49	<49	5,000
SW-32	4/21/2022	Sidewall	<0.025	≥0:050	<0.050_	<0.099	<0.099	8.0	1,300	640	1,948	4,800
SW-32A	5/20/2022	Sidewall	<0.050	<0.050	<0.050	<0.0150	<0.300	<10	<10	<10	<10	1,620
SW-33	4/21/2022	Sidewall	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	13	<49	13	3,200
SW-34	4/21/2022	Sidewall	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<10	<50	<50	2,000
SW-35	4/21/2022	Sidewall	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.6	<48	<48	1,200
SW-36	4/21/2022	Sidewall	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<9.6	<48	<48	2,100
SW-37	4/21/2022	Sidewall	<0.12	<0.25	<0.25	<0.50	<0.50	<25	310	140	450	6,600
SW-38	4/21/2022	Sidewall	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	510	470	980	5,000
SW-39	4/21/2022	Sidewall	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.7	<48	<48	4,100
SW-40	4/21/2022	Sidewall	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.8	<49	<49	4,100
SW-41	5/10/2022	Sidewall	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	420	100	520	8,080
SW-42	5/16/2022	Sidewall	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1,040
SW-43	5/16/2022	Sidewall	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1,360
SW-44	5/16/2022	Sidewall	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	3,000
SWX-1	3/14/2022	Sidewall	<0.094	<0.19	<0.19	<0.38	<0.38	<19	680	280	960	4,500
SWX-2	3/14/2022	Sidewall	<0.09 2	₹0.18	₹0.18	₹0.37	₹0.37	<18	1,500	540	2,040	4,600
SWX-2A	3/29/2022	Sidewall	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	<9.8	<49	<49	4,500
SWX-3	3/14/2022	Sidewall	₹0.14	₹0.27	₹0.27	₹0.54	₹0.54	29	2,40 0	1,100	3,529	600
SWX-3A	3/29/2022	Sidewall	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.8	<49	<49	3,200
SWX-4	3/14/2022	Sidewall	<0.10	<0.20	<0.20	<0.41	<0.41	<20	610	320	930	680
SWX-5	3/14/2022	Sidewall	<0.017	<0.034	<0.034	<0.068	<0.068	<3.4	<9.5	<48	<48	2,800
SWX-6	3/14/2022	Sidewall	₹0.085	₹0.47	2.2	1.5	3.7	150	4,300	1,700	6,150	2,400
SWX-6A	3/29/2022	Sidewall	<0.023	<0.046	<0.046	<0.092	<0.092	<4.6	<9.7	<48	<48	1,300
SWX-7	3/29/2022	Sidewall	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	14	<49	14	5,000
SWX-8	3/29/2022	Sidewall	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	950	380	1,330	3,200
SWX-9	3/29/2022	Sidewall	<0.11	<0.23	<0.23	<0.46	<0.46	<23	540	240	780	2,300
SWX-10	37 29/2 022	Sidewall	<0.12	₹0.23	0:91	0.47	1:38	63	3,000	1,300	4,363	3,800
BH-63 (SWX-10A)	5/20/2022	15-16	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	90.4	<10.0	90.4	17,600
SWX-11	3/29/2022	Sidewall	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.8	<49	<49	2,000

Page 7 of 7

Table 1 **Summary of Soil Analytical Data Gerard AW Battery EOG Resources Eddy County, New Mexico**

									7	TPH		
			Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	Chloride
Sample ID	Sample	Depth	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
	Date	(ft bgs)			Table I C	losure Criteria	for Soil >100 fe	et Depth to Gro	undwater 19.15	.29 NMAC		
			10 mg/kg				50 mg/kg	1,000	mg/kg		2,500 mg/kg	20,000 mg/kg
SWX-12	3/29/2022	Sidewall	₹0.42	₹0.2 5	₹0:25	₹0:49	₹0:49	54	2,200	1,000	3,254	5,300_
SWX-12A	4/21/2022	Sidewall	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.1	<45	<45	1,200
SWX-13	3/29/2022	Sidewall	₹0.41	₹0:23	₹0.23	₹0.46	₹0:46	23	1,100_	550	1,650	6,000
SWX-13A	4/21/2022	Sidewall	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.8	<49	<49	930
SWX-14	3/29/2022	Sidewall	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	96	63	159	6,000
SWX-15	3/29/2022	Sidewall	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	11	<47	11	7,600

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

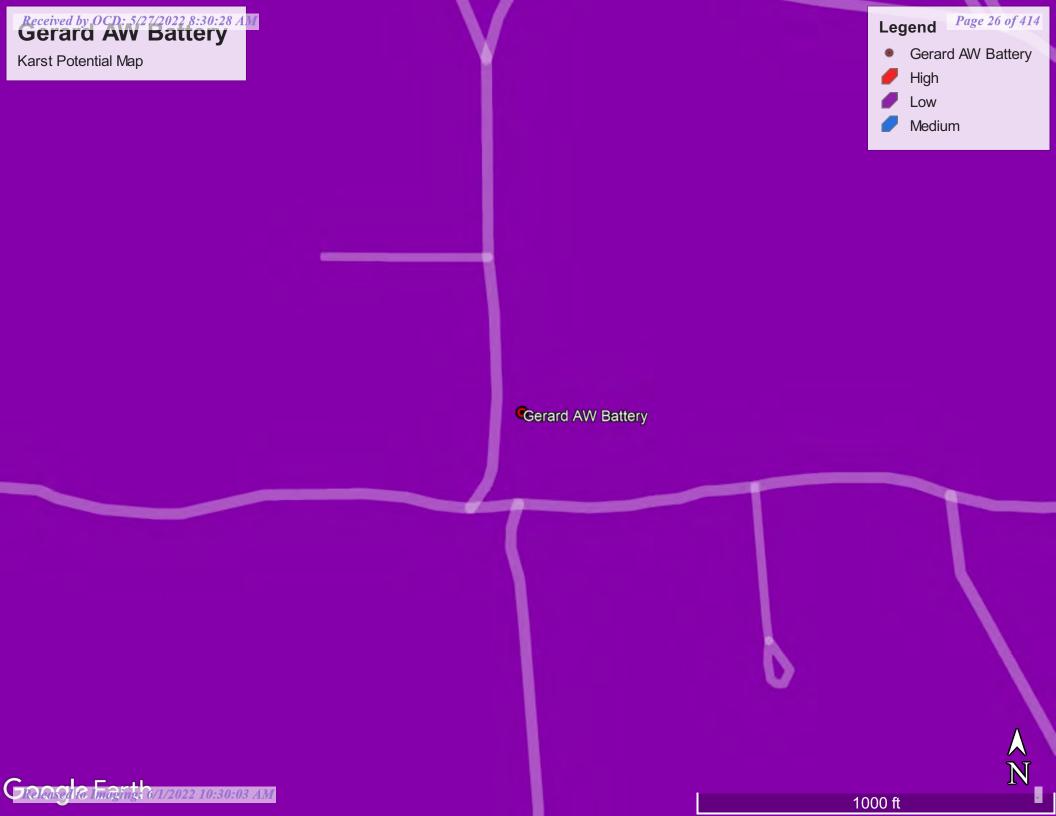
B-BH-2 Sample Point Excavated

- 5. TPH analyses by EPA Method SW 8015 Mod.
- 6. GRO/DRO/MRO = Gasoline/Diesel/Motor Oil
- 7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I Closure Criteria for the site.
- 8. J the target analytes was positively identified below the quantitation limit and above the detection limit.
- 9. --- = not defined

Table 2 Daily Disposal Summary Gerard AW Battery EOG Resources Eddy, County, New Mexico

Date of	Total Pounds	Total Tons		
Disposal	Disposed	Disposed		
2/24/2022	600,520	300.26		
2/28/2022	1,861,100	930.55		
3/1/2022	818,940	409.47		
3/2/2022	1,266,100	633.05		
3/4/2022	1,038,140	519.07		
3/7/2022	1,607,420	803.71		
3/8/2022	1,773,180	886.59		
3/9/2022	1,644,300	822.15		
3/10/2022	1,024,340	512.17		
3/18/2022	1,488,820	744.41		
3/21/2022	2,545,420	1,272.71		
3/22/2022	751,080	375.54		
3/23/2022	1,576,680	788.34		
3/24/2022	475,800	237.90		
3/25/2022	744,820	372.41		
4/19/2022	311,100	155.55		
4/20/2022	1,182,960	591.48		
4/21/2022	838,280	419.14		
4/22/2022	496,160	248.08		
4/25/2022	385,340	192.67		
4/26/2022	40,460	20.23		
5/10/2022	198,120	99.06		
5/13/2022	280,180	140.09		
5/19/2022	246,500	123.25		
Project Total	23,195,760	11,597.88		

Attachment A Site Characterization Documentation



OSE PUBLIC PRINT

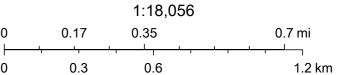


10/7/2021, 3:16:10 PM GIS WATERS PODs

- Active
- Pending

OSE District Boundary

SiteBoundaries



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



New Mexico Office of the State Engineer **Point of Diversion Summary**

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag **POD Number** Q64 Q16 Q4 Sec Tws Rng

X

20642 RA 12548 POD1 3 25 18S 25E

552484 3619618

Driller License: 1348

Drill Start Date: 11/07/2017

Driller Company:

TAYLOR WATER WELL SERVICE

Driller Name:

TAYLOR, CLINTON E.

Drill Finish Date:

Plug Date: 11/13/2017

Log File Date:

12/14/2017

PCW Rcv Date:

Source:

Shallow

Pump Type:

Pipe Discharge Size:

Estimated Yield: 2 GPM

Casing Size:

4.50 Depth Well: 255 feet

Depth Water:

194 feet

Water Bearing Stratifications:

Top Bottom Description

194 Shale/Mudstone/Siltstone 206

Shale/Mudstone/Siltstone

Casing Perforations:

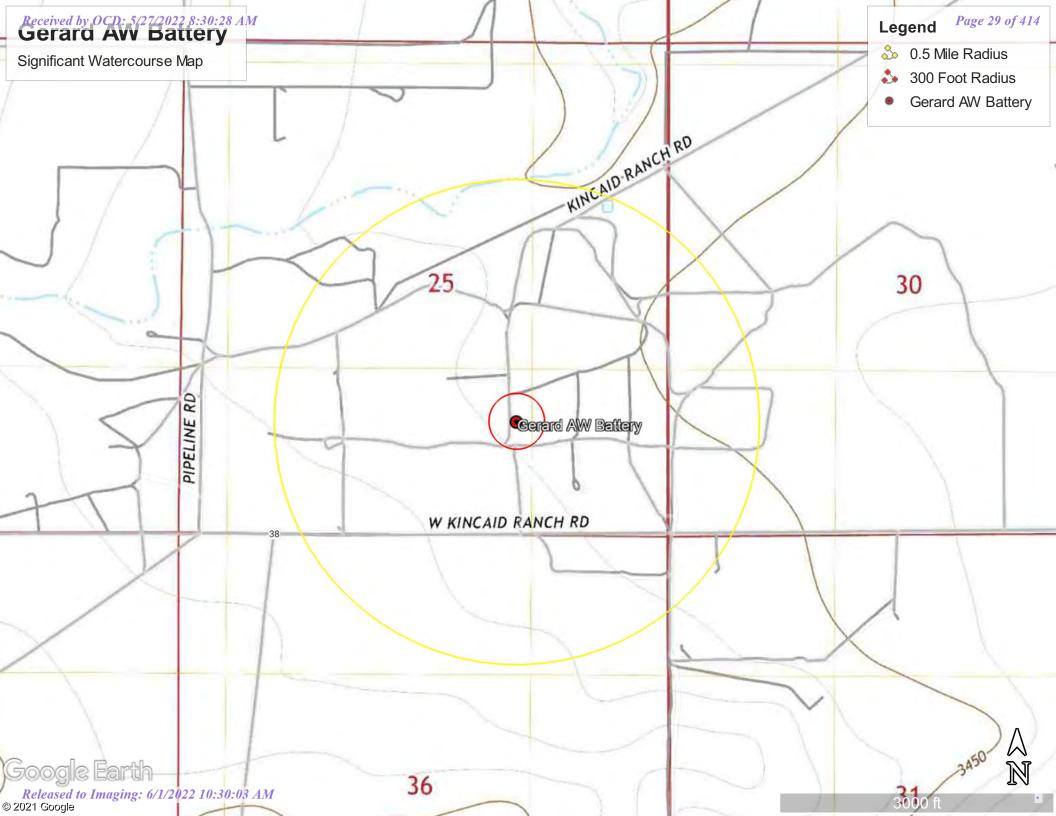
Top Bottom

175 255

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

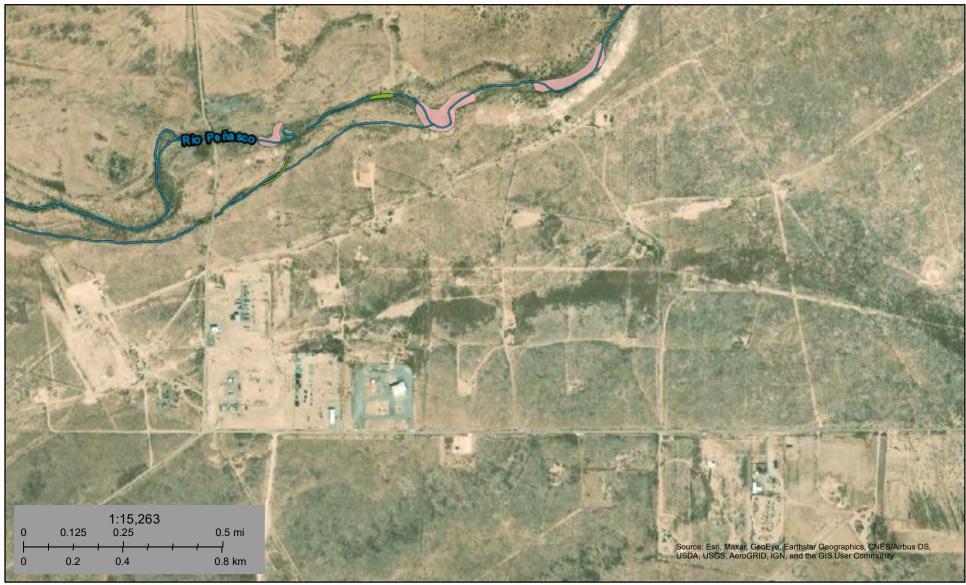
10/7/21 2:13 PM

POINT OF DIVERSION SUMMARY





EOG Gerard AW Battery



October 7, 2021

Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Pond

Lake

Other

Freshwater Forested/Shrub Wetland

Riverine

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

Received by OCD: 5/27/2022 8:30:28,AM National Flood Hazard Layer FIRMette





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

Without Base Flood Elevation (BFE) With BFE or Depth Zone AE, AO, AH, VE, AR SPECIAL FLOOD HAZARD AREAS Regulatory Floodway 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X **Future Conditions 1% Annual** Chance Flood Hazard Zone X Area with Reduced Flood Risk due to Levee. See Notes. Zone X OTHER AREAS OF Area with Flood Risk due to Levee Zone D FLOOD HAZARD NO SCREEN Area of Minimal Flood Hazard Zone X Effective LOMRs OTHER AREAS Area of Undetermined Flood Hazard Zone D - - - Channel, Culvert, or Storm Sewer **GENERAL** STRUCTURES | LILLIL Levee, Dike, or Floodwall 20.2 Cross Sections with 1% Annual Chance 17.5 Water Surface Elevation **Coastal Transect** Base Flood Elevation Line (BFE) Limit of Study Jurisdiction Boundary -- Coastal Transect Baseline OTHER **Profile Baseline FEATURES** Hydrographic Feature Digital Data Available No Digital Data Available MAP PANELS Unmapped

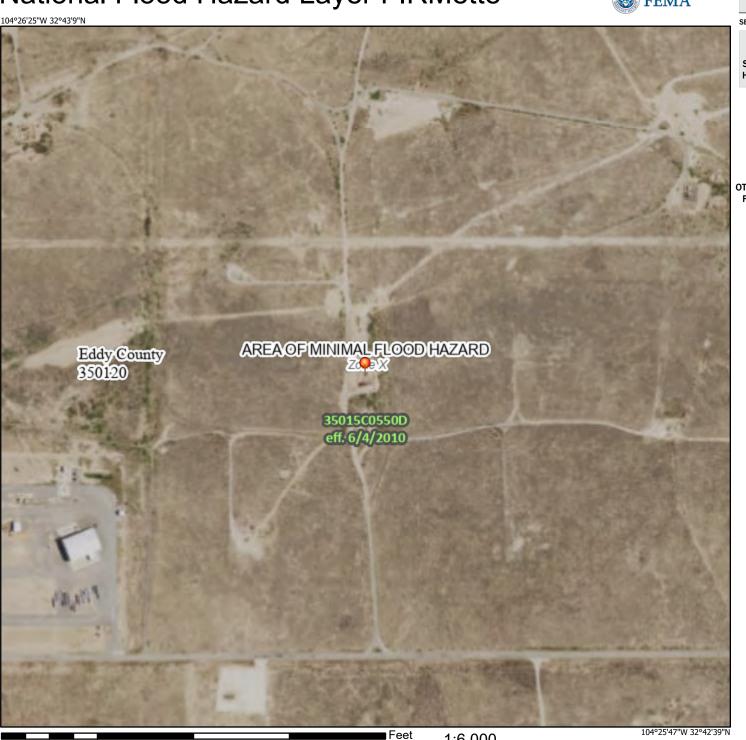
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

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

an authoritative property location.

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 10/7/2021 at 4:49 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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



Attachment B Photographic Log







Site Photograph
EOG Gerard AW Battery Release Site.

GHD | Report for EOG | 11228976







Site Photograph
EOG Gerard AW Battery Release Site.

GHD | Report for EOG | 11228976

Attachment C Confirmation Sampling Notifications

Becky Haskell

From: Chase Settle < Chase_Settle@eogresources.com>

Sent: Thursday, February 24, 2022 11:32 AM **To:** Becky Haskell; Zach Comino; Heath Boyd

Subject: FW: Gerard AW Battery (nAPP2115333378) Sampling Notification

From: Tina Huerta <Tina_Huerta@eogresources.com>

Sent: Thursday, February 24, 2022 10:22 AM

To: Robert.Hamlet@state.nm.us

Cc: Artesia Regulatory <Artesia_Regulatory@eogresources.com>; Bob Asher <Bob_Asher@eogresources.com>; Chase Settle <Chase_Settle@eogresources.com>; Katie Jamison <Katie_Jamison@eogresources.com>; Yvette Moore

<Yvette Moore@eogresources.com>

Subject: Gerard AW Battery (nAPP2115333378) Sampling Notification

Good morning,

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

Gerard AW Battery O-25-18S-25E Eddy County, NM nAPP2115333378

Sampling will begin at 10:00 a.m. on Wednesday, March 2, 2022.

Thank you,

Tina Huerta

Regulatory Specialist

Direct: 575.748.4168

Cell: 575.703.3121

Email: tina huerta@eogresources.com

eog resources

Artesia Division

From: Chase Settle < Chase_Settle@eogresources.com>

Sent: Thursday, March 3, 2022 3:49 PM

To: Becky Haskell; Zach Comino; Tom Larson

Subject: FW: Gerard AW Battery(nAPP2115333378) Sampling Notification

From: Miriam Morales < Miriam_Morales@eogresources.com>

Sent: Thursday, March 3, 2022 2:46 PM

To: Robert.Hamlet@state.nm.us

Cc: Artesia Regulatory < Artesia_Regulatory@eogresources.com>; Katie Jamison

<Katie_Jamison@eogresources.com>; Chase Settle <Chase_Settle@eogresources.com>; Bob Asher

<Bob_Asher@eogresources.com>; Yvette Moore <Yvette_Moore@eogresources.com>

Subject: Gerard AW Battery(nAPP2115333378) Sampling Notification

Good afternoon,

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

Gerard AW Battery O-25-18S-25E Eddy County, NM nAPP2115333378

Sampling will begin at 2:00 p.m. on Monday, March 7, 2022.

Thank you,

Miriam Morales

From: Amber Griffin < Amber_Griffin@eogresources.com>

Sent: Wednesday, March 9, 2022 10:49 AM

To: Zach Comino; Becky Haskell

Subject: FW: [EXTERNAL] Gerard AW Battery (nAPP2115333378) Sampling Notification

Thank you, Amber Griffin

From: Hamlet, Robert, EMNRD < Robert. Hamlet@state.nm.us>

Sent: Wednesday, March 9, 2022 9:37 AM

To: Tina Huerta <Tina Huerta@eogresources.com>

Cc: Artesia Regulatory <Artesia_Regulatory@eogresources.com>; Chase Settle <Chase_Settle@eogresources.com>; Yvette Moore <Yvette_Moore@eogresources.com>; Katie Jamison <Katie_Jamison@eogresources.com>; Amber Griffin <Amber_Griffin@eogresources.com>; BODEE EUDY <BODEE_EUDY@eogresources.com>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>; Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>

Subject: RE: [EXTERNAL] Gerard AW Battery (nAPP2115333378) Sampling Notification

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Tina,

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Robert Hamlet • Environmental Specialist - Advanced Environmental Bureau EMNRD - Oil Conservation Division 811 S. First Street | Artesia, NM 88210

575.909.0302 | <u>robert.hamlet@state.nm.us</u>

http://www.emnrd.state.nm.us/OCD/



From: Tina Huerta < Tina_Huerta@eogresources.com >

Sent: Wednesday, March 9, 2022 9:22 AM

To: Hamlet, Robert, EMNRD < Robert.Hamlet@state.nm.us>

Cc: Artesia Regulatory < <u>Artesia Regulatory@eogresources.com</u>>; Chase Settle < <u>Chase Settle@eogresources.com</u>>; Yvette Moore < <u>Yvette Moore@eogresources.com</u>>; Katie Jamison < <u>Katie Jamison@eogresources.com</u>>; Amber

Griffin < Amber Griffin@eogresources.com >; BODEE EUDY < BODEE EUDY@eogresources.com > Subject: [EXTERNAL] Gerard AW Battery (nAPP2115333378) Sampling Notification

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1

Good morning,

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

Gerard AW Battery O-25-18S-25E Eddy County, NM nAPP2115333378

Sampling will begin at 10:00 a.m. on Monday, March 14, 2022 and also 10:00 a.m. on Thursday, March 17, 2022.

Thank you,

Tina Hverta Regulatory Specialist Direct: 575.748.4168

Cell: 575.703.3121

Email: tina huerta@eogresources.com

eog resources

Artesia Division

From: Chase Settle < Chase_Settle@eogresources.com>

Sent: Thursday, March 17, 2022 8:51 AM **To:** Becky Haskell; Zach Comino

Cc: Amber Griffin

Subject: FW: [EXTERNAL] Gerard AW Battery (nAPP2115333378) Sampling Notification

From: Hamlet, Robert, EMNRD < Robert. Hamlet@state.nm.us>

Sent: Thursday, March 17, 2022 7:48 AM

To: Tina Huerta <Tina_Huerta@eogresources.com>

Cc: Artesia Regulatory < Artesia Regulatory@eogresources.com >; Amber Griffin

<Amber_Griffin@eogresources.com>; Chase Settle <Chase_Settle@eogresources.com>; Yvette Moore

<Yvette_Moore@eogresources.com>; Katie Jamison <Katie_Jamison@eogresources.com>; Bratcher, Mike, EMNRD

<mike.bratcher@state.nm.us>; Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>; Velez, Nelson, EMNRD

<Nelson.Velez@state.nm.us>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>

Subject: RE: [EXTERNAL] Gerard AW Battery (nAPP2115333378) Sampling Notification

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Tina,

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Robert Hamlet • Environmental Specialist - Advanced

Environmental Bureau
EMNRD - Oil Conservation Division
811 S. First Street | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
http://www.emnrd.state.nm.us/OCD/



From: Tina Huerta < Tina Huerta@eogresources.com>

Sent: Wednesday, March 16, 2022 5:06 PM

To: Hamlet, Robert, EMNRD < Robert.Hamlet@state.nm.us>

Cc: Artesia Regulatory < Artesia Regulatory@eogresources.com>; Amber Griffin

<Amber Griffin@eogresources.com>; Chase Settle <Chase Settle@eogresources.com>; Yvette Moore

<Yvette Moore@eogresources.com>; Katie Jamison <Katie Jamison@eogresources.com>

Subject: [EXTERNAL] Gerard AW Battery (nAPP2115333378) Sampling Notification

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good afternoon,

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

Gerard AW Battery nAPP2115333378

Sampling will begin at 10:00 a.m. on Monday, March 21, 2022, and will be continuous through Thursday, March 24, 2022.

Thank you,

Tina Hverta Regulatory Specialist Direct: 575.748.4168

Cell: 575.703.3121

Email: tina huerta@eogresources.com



Artesia Division

From: Amber Griffin < Amber_Griffin@eogresources.com>

Sent: Thursday, March 24, 2022 11:17 AM

To: Becky Haskell; Zach Comino

Cc: Chase Settle

Subject: FW: [EXTERNAL] Gerard AW Battery (nAPP2115333378) Sampling Notification

Thank you, Amber Griffin

From: Tina Huerta <Tina_Huerta@eogresources.com>

Sent: Thursday, March 24, 2022 10:14 AM

To: Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>

Cc: Artesia Regulatory < Artesia_Regulatory@eogresources.com >

Subject: FW: [EXTERNAL] Gerard AW Battery (nAPP2115333378) Sampling Notification

FYI

From: Hamlet, Robert, EMNRD < Robert.Hamlet@state.nm.us>

Sent: Thursday, March 24, 2022 9:18 AM

To: Tina Huerta < Tina_Huerta@eogresources.com >

Cc: Artesia Regulatory < Artesia Regulatory@eogresources.com >; Bratcher, Mike, EMNRD

<mike.bratcher@state.nm.us>; Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>; Velez, Nelson, EMNRD

<<u>Nelson.Velez@state.nm.us</u>>; Nobui, Jennifer, EMNRD <<u>Jennifer.Nobui@state.nm.us</u>> **Subject:** RE: [EXTERNAL] Gerard AW Battery (nAPP2115333378) Sampling Notification

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Tina,

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Robert Hamlet • Environmental Specialist - Advanced

Environmental Bureau
EMNRD - Oil Conservation Division
811 S. First Street | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
http://www.emnrd.state.nm.us/OCD/



From: Tina Huerta <Tina_Huerta@eogresources.com>

Sent: Wednesday, March 23, 2022 3:41 PM

To: Hamlet, Robert, EMNRD < Robert. Hamlet@state.nm.us>

Cc: Artesia S&E Spill Remediation < <u>Artesia S&E Spill Remediation@eogresources.com</u>>; Artesia Regulatory < <u>Artesia Regulatory@eogresources.com</u>>

Subject: [EXTERNAL] Gerard AW Battery (nAPP2115333378) Sampling Notification

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good afternoon,

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

Gerard AW Battery O-25-18S-25E Eddy County, NM nAPP2115333378

Sampling will begin at 10:00 a.m. on Monday, March 28, 2022.

Thank you,

Tina Hverta Regulatory Specialist Direct: 575.748.4168

Cell: 575.703.3121

Email: tina huerta@eogresources.com

eog resources

Artesia Division

From: Amber Griffin < Amber_Griffin@eogresources.com>

Sent: Thursday, April 14, 2022 3:46 PM

To: Becky Haskell; Chase Settle; Zach Comino

Subject: Fwd: [EXTERNAL] Gerard AW Battery (nAPP2115333378) Sampling Notification

Sent from my iPhone

Begin forwarded message:

From: Tina Huerta <Tina_Huerta@eogresources.com>

Date: April 14, 2022 at 2:44:17 PM MDT

To: Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>, Artesia

Regulatory < Artesia_Regulatory@eogresources.com >

Subject: FW: [EXTERNAL] Gerard AW Battery (nAPP2115333378) Sampling Notification

fyi

From: Hamlet, Robert, EMNRD < Robert. Hamlet@state.nm.us>

Sent: Thursday, April 14, 2022 2:40 PM

To: Tina Huerta <Tina_Huerta@eogresources.com>

Cc: Artesia Regulatory <Artesia_Regulatory@eogresources.com>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>; Nobui,

Jennifer, EMNRD < Jennifer. Nobui@state.nm.us>

Subject: RE: [EXTERNAL] Gerard AW Battery (nAPP2115333378) Sampling Notification

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Tina,

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Robert Hamlet • Environmental Specialist - Advanced

Environmental Bureau
EMNRD - Oil Conservation Division
811 S. First Street | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
http://www.emnrd.state.nm.us/OCD/



From: Tina Huerta <Tina Huerta@eogresources.com>

Sent: Wednesday, April 13, 2022 3:41 PM

To: Hamlet, Robert, EMNRD < Robert.Hamlet@state.nm.us>

Cc: Artesia S&E Spill Remediation < Artesia S&E Spill Remediation@eogresources.com; Artesia

Regulatory < Artesia Regulatory@eogresources.com >

Subject: [EXTERNAL] Gerard AW Battery (nAPP2115333378) Sampling Notification

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good Afternoon,

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

Gerard AW Battery nAPP2115333378

Sampling will begin at 10:00 a.m. on Monday, April 18, 2022, and be continuous through Wednesday, April 20, 2022.

Thank you,

Tina Hverta Regulatory Specialist Direct: 575.748.4168

Cell: 575.703.3121

Email: tina huerta@eogresources.com

oeog resources

Artesia Division

From: Amber Griffin <Amber_Griffin@eogresources.com>

Sent: Thursday, May 5, 2022 9:22 AM Becky Haskell; Zach Comino

Cc: Chase Settle

Subject: FW: Gerard AW Battery (nAPP2115333378) Sampling Notification

Thank you, Amber Griffin

From: Tina Huerta <Tina_Huerta@eogresources.com>

Sent: Thursday, May 5, 2022 8:21 AM **To:** Robert.Hamlet@state.nm.us

Cc: Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>; Artesia Regulatory

<a>Artesia_Regulatory@eogresources.com>

Subject: Gerard AW Battery (nAPP2115333378) Sampling Notification

Good Morning,

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

Gerard AW Battery O-25-18S-25E; Eddy County, NM nAPP2115333378

Sampling will begin at 10:00 a.m. on Tuesday, May 10, 2022.

Thank you,

Tina Huerta

Regulatory Specialist

Direct: 575.748.4168

Cell: 575.703.3121

Email: tina huerta@eogresources.com



Artesia Division

From: Amber Griffin < Amber_Griffin@eogresources.com>

Sent: Wednesday, May 11, 2022 5:00 PM

To: Becky Haskell; Zach Comino

Cc: Chase Settle

Subject: FW: Gerard AW Battery (nAPP2115333378) Sampling Notification

Thank you, Amber Griffin

From: Miriam Morales < Miriam_Morales@eogresources.com>

Sent: Wednesday, May 11, 2022 3:51 PM

To: Robert.Hamlet@state.nm.us

Cc: Artesia Regulatory < Artesia_Regulatory@eogresources.com>; Artesia S&E Spill Remediation

<a>Artesia_S&E_Spill_Remediation@eogresources.com>

Subject: Gerard AW Battery (nAPP2115333378) Sampling Notification

Good afternoon,

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

Gerard AW Battery O-25-18S-25E; Eddy County, NM nAPP2115333378

Sampling will begin at 11:00 a.m. on Monday, May 16, 2022.

Thank you,

Miriam Morales

From: Amber Griffin < Amber_Griffin@eogresources.com>

Sent: Wednesday, May 18, 2022 10:01 AM

To: Becky Haskell; Zach Comino

Cc: Chase Settle

Subject: FW: [EXTERNAL] Gerard AW Battery (nAPP2115333378) Sampling Notification

Thank you, Amber Griffin

From: Tina Huerta <Tina_Huerta@eogresources.com>

Sent: Wednesday, May 18, 2022 8:51 AM

To: Artesia S&E Spill Remediation < Artesia S&E Spill Remediation@eogresources.com>

Cc: Artesia Regulatory < Artesia_Regulatory@eogresources.com>

Subject: FW: [EXTERNAL] Gerard AW Battery (nAPP2115333378) Sampling Notification

FYI

From: Nobui, Jennifer, EMNRD < Jennifer.Nobui@state.nm.us>

Sent: Wednesday, May 18, 2022 8:27 AM

To: Tina Huerta < Tina Huerta@eogresources.com >

Cc: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>;

Harimon, Jocelyn, EMNRD < Jocelyn. Harimon@state.nm.us>

Subject: RE: [EXTERNAL] Gerard AW Battery (nAPP2115333378) Sampling Notification

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Tina,

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thanks,

Jennifer Nobui

From: Tina Huerta < Tina_Huerta@eogresources.com >

Sent: Wednesday, May 18, 2022 8:18 AM

To: Hamlet, Robert, EMNRD < Robert.Hamlet@state.nm.us; Bratcher, Mike, EMNRD < mike.bratcher@state.nm.us; Bratcher, Mike, EMNRD < mike.bratcher@state.nm.us; Bratcher, Mike, EMNRD < mike.bratcher@state.nm.us; Harimon, Jocelyn, EMNRD < jocelyn.Harimon@state.nm.us; Harimon, Jocelyn, EMNRD < jocelyn.Harimon@state.nm.us;

Cc: Artesia S&E Spill Remediation < Artesia S&E Spill Remediation@eogresources.com >; Artesia Regulatory

<a href="mailto: Artesia Regulatory@eogresources.com

Subject: [EXTERNAL] Gerard AW Battery (nAPP2115333378) Sampling Notification

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good Morning,

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

Gerard AW Battery

O-25-18S-25E Eddy County, NM nAPP2115333378

Sampling will begin at 8:00 a.m. on Friday, May 20, 2022.

Thank you,

Tina Hverta Regulatory Specialist Direct: 575.748.4168

Cell: 575.703.3121

Email: tina huerta@eogresources.com

eog resources

Artesia Division

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



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

June 30, 2021

Becky Haskell
GHD
6121 Indian School Road, NE #200
Albuquerque, NM 87110
TEL: (505) 884-0672

FAX

RE: Gerard AW Battery OrderNo.: 2106A61

Dear Becky Haskell:

Hall Environmental Analysis Laboratory received 13 sample(s) on 6/19/2021 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

andy

4901 Hawkins NE

Albuquerque, NM 87109

CLIENT:

Analytical Report

Lab Order: **2106A61**Date Reported: **6/30/2021**

Hall Environmental Analysis Laboratory, Inc.

Lab Order: 2106A61

Project: Gerard AW Battery

GHD

Lab ID: 2106A61-001 **Collection Date:** 6/17/2021 10:00:00 AM

Client Sample ID: TP1-2 Matrix: SOIL

Analyses	Result	RL Q	Qual Units	DF	Date Analyzed E	Batch ID
EPA METHOD 300.0: ANIONS					Analys	t: CJS
Chloride	2100	60	mg/Kg	20	6/24/2021 10:46:38 PM	И 60891
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	t: BRM
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	6/26/2021 8:24:39 AM	60871
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	6/26/2021 8:24:39 AM	60871
Surr: DNOP	81.4	70-130	%Rec	1	6/26/2021 8:24:39 AM	60871
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	6/27/2021 12:51:52 AM	И 60834
Surr: BFB	106	70-130	%Rec	1	6/27/2021 12:51:52 AM	Л 60834
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.024	mg/Kg	1	6/27/2021 12:51:52 AM	И 60834
Toluene	ND	0.048	mg/Kg	1	6/27/2021 12:51:52 AM	И 60834
Ethylbenzene	ND	0.048	mg/Kg	1	6/27/2021 12:51:52 AM	A 60834
Xylenes, Total	ND	0.096	mg/Kg	1	6/27/2021 12:51:52 AM	Л 60834
Surr: 4-Bromofluorobenzene	108	70-130	%Rec	1	6/27/2021 12:51:52 AM	И 60834

Lab ID: 2106A61-002 **Collection Date:** 6/17/2021 10:30:00 AM

Client Sample ID: TP1-10 Matrix: SOIL

Analyses	Result	RL (Qual Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS					Analy	st: JMT
Chloride	8400	300	mg/Kg	100	6/27/2021 12:01:37	M 60891
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analy	st: BRM
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	6/26/2021 8:48:50 Al	M 60871
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	6/26/2021 8:48:50 Al	M 60871
Surr: DNOP	76.6	70-130	%Rec	1	6/26/2021 8:48:50 Al	M 60871
EPA METHOD 8015D: GASOLINE RANGE					Analy	st: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/27/2021 1:15:29 Al	И 60834
Surr: BFB	105	70-130	%Rec	1	6/27/2021 1:15:29 Al	M 60834
EPA METHOD 8021B: VOLATILES					Analy	st: NSB
Benzene	ND	0.024	mg/Kg	1	6/27/2021 1:15:29 Al	M 60834
Toluene	ND	0.049	mg/Kg	1	6/27/2021 1:15:29 Al	M 60834
Ethylbenzene	ND	0.049	mg/Kg	1	6/27/2021 1:15:29 Al	M 60834
Xylenes, Total	ND	0.098	mg/Kg	1	6/27/2021 1:15:29 Al	M 60834
Surr: 4-Bromofluorobenzene	107	70-130	%Rec	1	6/27/2021 1:15:29 Al	И 60834

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

Qualifiers:

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

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

Page 1 of 16

Lab Order: **2106A61**Date Reported: **6/30/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Lab Order: 2106A61

Project: Gerard AW Battery

Lab ID: 2106A61-003 **Collection Date:** 6/17/2021 10:40:00 AM

Client Sample ID: TP1-14 Matrix: SOIL

Chefft Sample ID: 11-14	Watrix: SOIL							
Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch ID		
EPA METHOD 300.0: ANIONS					Ana	lyst: JMT		
Chloride	8800	300	mg/Kg	100	6/27/2021 12:14:02	AM 60891		
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Ana	lyst: BRM		
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	6/26/2021 9:13:14 A	AM 60871		
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	6/26/2021 9:13:14 A	AM 60871		
Surr: DNOP	73.4	70-130	%Rec	1	6/26/2021 9:13:14 A	AM 60871		
EPA METHOD 8015D: GASOLINE RANGE					Ana	lyst: NSB		
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	6/27/2021 1:39:09 A	AM 60834		
Surr: BFB	105	70-130	%Rec	1	6/27/2021 1:39:09 A	AM 60834		
EPA METHOD 8021B: VOLATILES					Ana	lyst: NSB		
Benzene	ND	0.023	mg/Kg	1	6/27/2021 1:39:09 A	AM 60834		
Toluene	ND	0.047	mg/Kg	1	6/27/2021 1:39:09 A	AM 60834		
Ethylbenzene	ND	0.047	mg/Kg	1	6/27/2021 1:39:09 A	AM 60834		
Xylenes, Total	ND	0.094	mg/Kg	1	6/27/2021 1:39:09 A	AM 60834		
Surr: 4-Bromofluorobenzene	107	70-130	%Rec	1	6/27/2021 1:39:09 A	AM 60834		

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

Qualifiers:

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

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

Page 2 of 16

Lab Order: **2106A61**Date Reported: **6/30/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Lab Order: 2106A61

Project: Gerard AW Battery

Lab ID: 2106A61-004 **Collection Date:** 6/17/2021 1:00:00 PM

Client Sample ID: TP1-20 Matrix: SOIL

Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Bat	tch ID
EPA METHOD 300.0: ANIONS					An	alyst:	JMT
Chloride	9000	300	mg/Kg	100	6/27/2021 12:26:2	7 AM	60891
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				An	alyst:	BRM
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	6/26/2021 9:37:28	AM	60871
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	6/26/2021 9:37:28	AM	60871
Surr: DNOP	75.7	70-130	%Rec	1	6/26/2021 9:37:28	AM	60871
EPA METHOD 8015D: GASOLINE RANGE					An	alyst:	NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	6/27/2021 2:02:48	AM	60834
Surr: BFB	106	70-130	%Rec	1	6/27/2021 2:02:48	AM	60834
EPA METHOD 8021B: VOLATILES					An	alyst:	NSB
Benzene	ND	0.024	mg/Kg	1	6/27/2021 2:02:48	AM	60834
Toluene	ND	0.047	mg/Kg	1	6/27/2021 2:02:48	AM	60834
Ethylbenzene	ND	0.047	mg/Kg	1	6/27/2021 2:02:48	AM	60834
Xylenes, Total	ND	0.095	mg/Kg	1	6/27/2021 2:02:48	AM	60834
Surr: 4-Bromofluorobenzene	108	70-130	%Rec	1	6/27/2021 2:02:48	AM	60834

Lab ID: 2106A61-005 **Collection Date:** 6/17/2021 1:25:00 PM

Client Sample ID: TP2-S Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed 1	Batch ID
EPA METHOD 300.0: ANIONS						Analys	st: CJS
Chloride	ND	60		mg/Kg	20	6/25/2021 12:01:06 A	M 60891
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS					Analys	st: BRM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	6/26/2021 10:01:52 A	M 60871
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/26/2021 10:01:52 A	M 60871
Surr: DNOP	72.7	70-130		%Rec	1	6/26/2021 10:01:52 A	M 60871
EPA METHOD 8015D: GASOLINE RANGE						Analys	st: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/27/2021 2:26:20 AM	60834
Surr: BFB	220	70-130	S	%Rec	1	6/27/2021 2:26:20 AM	60834
EPA METHOD 8021B: VOLATILES						Analys	st: NSB
Benzene	ND	0.024		mg/Kg	1	6/27/2021 2:26:20 AM	60834
Toluene	ND	0.048		mg/Kg	1	6/27/2021 2:26:20 AM	60834
Ethylbenzene	ND	0.048		mg/Kg	1	6/27/2021 2:26:20 AM	60834
Xylenes, Total	ND	0.096		mg/Kg	1	6/27/2021 2:26:20 AM	60834
Surr: 4-Bromofluorobenzene	229	70-130	S	%Rec	1	6/27/2021 2:26:20 AM	60834

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

Qualifiers:

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

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

Page 3 of 16

Lab Order: **2106A61**Date Reported: **6/30/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Lab Order: 2106A61

Project: Gerard AW Battery

Lab ID: 2106A61-006 **Collection Date:** 6/17/2021 1:30:00 PM

Client Sample ID: TP2-2 Matrix: SOIL

Result **RL Oual Units DF** Date Analyzed **Analyses Batch ID EPA METHOD 300.0: ANIONS** Analyst: CJS Chloride 63 60 6/25/2021 12:13:30 AM 60891 mg/Kg **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: BRM Diesel Range Organics (DRO) 6/26/2021 10:26:07 AM 60871 ND 10 mg/Kg Motor Oil Range Organics (MRO) ND 50 6/26/2021 10:26:07 AM 60871 mg/Kg 1 Surr: DNOP 73.0 70-130 %Rec 6/26/2021 10:26:07 AM 60871 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 4.9 mg/Kg 1 6/27/2021 2:49:58 AM 60834 Surr: BFB 101 70-130 %Rec 1 6/27/2021 2:49:58 AM 60834 **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 0.024 6/27/2021 2:49:58 AM mg/Kg 60834 Toluene ND 0.049 mg/Kg 1 6/27/2021 2:49:58 AM 60834 Ethylbenzene ND 60834 0.049 mg/Kg 1 6/27/2021 2:49:58 AM Xylenes, Total ND 0.097 mg/Kg 6/27/2021 2:49:58 AM 60834 Surr: 4-Bromofluorobenzene 101 70-130 %Rec 6/27/2021 2:49:58 AM 60834

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

Qualifiers:

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

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

Page 4 of 16

Lab Order: **2106A61**Date Reported: **6/30/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Lab Order: 2106A61

Project: Gerard AW Battery

Lab ID: 2106A61-007 **Collection Date:** 6/17/2021 1:40:00 PM

Client Sample ID: TP3-S Matrix: SOIL

Analyses	Result	RL Q	Qual Units	DF	Date Analyzed B	atch ID
EPA METHOD 300.0: ANIONS					Analyst	: CJS
Chloride	ND	60	mg/Kg	20	6/25/2021 12:25:54 AM	60891
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	16	9.9	mg/Kg	1	6/26/2021 11:30:56 PM	60871
Motor Oil Range Organics (MRO)	110	50	mg/Kg	1	6/26/2021 11:30:56 PM	60871
Surr: DNOP	125	70-130	%Rec	1	6/26/2021 11:30:56 PM	60871
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	6/27/2021 3:13:35 AM	60834
Surr: BFB	105	70-130	%Rec	1	6/27/2021 3:13:35 AM	60834
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	6/27/2021 3:13:35 AM	60834
Toluene	ND	0.047	mg/Kg	1	6/27/2021 3:13:35 AM	60834
Ethylbenzene	ND	0.047	mg/Kg	1	6/27/2021 3:13:35 AM	60834
Xylenes, Total	ND	0.095	mg/Kg	1	6/27/2021 3:13:35 AM	60834
Surr: 4-Bromofluorobenzene	104	70-130	%Rec	1	6/27/2021 3:13:35 AM	60834

Lab ID: 2106A61-008 **Collection Date:** 6/17/2021 1:45:00 PM

Client Sample ID: TP3-2 Matrix: SOIL

Analyses	Result	RL Q	Qual Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS					Anal	yst: JMT
Chloride	150	60	mg/Kg	20	6/26/2021 12:14:06	PM 60940
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Anal	yst: BRM
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	6/26/2021 11:14:31	AM 60871
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	6/26/2021 11:14:31	AM 60871
Surr: DNOP	91.0	70-130	%Rec	1	6/26/2021 11:14:31	AM 60871
EPA METHOD 8015D: GASOLINE RANGE					Anal	yst: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	6/27/2021 5:35:14 A	M 60834
Surr: BFB	105	70-130	%Rec	1	6/27/2021 5:35:14 A	M 60834
EPA METHOD 8021B: VOLATILES					Anal	yst: NSB
Benzene	ND	0.024	mg/Kg	1	6/27/2021 5:35:14 A	M 60834
Toluene	ND	0.047	mg/Kg	1	6/27/2021 5:35:14 A	M 60834
Ethylbenzene	ND	0.047	mg/Kg	1	6/27/2021 5:35:14 A	M 60834
Xylenes, Total	ND	0.094	mg/Kg	1	6/27/2021 5:35:14 A	M 60834
Surr: 4-Bromofluorobenzene	107	70-130	%Rec	1	6/27/2021 5:35:14 A	M 60834

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

Qualifiers:

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

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

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CLIENT:

Analytical Report

Lab Order: **2106A61**Date Reported: **6/30/2021**

Hall Environmental Analysis Laboratory, Inc.

2106A61

Lab Order:

Project: Gerard AW Battery

GHD

Lab ID: 2106A61-009 **Collection Date:** 6/17/2021 2:05:00 PM

Client Sample ID: TP4-S Matrix: SOIL

	Matrix: SOIL						
Result	RL	Qual	Units	DF	Date Analyzed	Batch ID	
					Anal	yst: JMT	
ND	60		mg/Kg	20	6/26/2021 12:51:19 I	PM 60940	
SANICS					Anal	yst: BRM	
ND	10		mg/Kg	1	6/26/2021 11:38:48	AM 60871	
ND	50		mg/Kg	1	6/26/2021 11:38:48	AM 60871	
55.6	70-130	S	%Rec	1	6/26/2021 11:38:48	AM 60871	
					Anal	yst: NSB	
ND	4.8		mg/Kg	1	6/27/2021 5:58:46 A	M 60834	
102	70-130		%Rec	1	6/27/2021 5:58:46 A	M 60834	
					Anal	yst: NSB	
ND	0.024		mg/Kg	1	6/27/2021 5:58:46 A	M 60834	
ND	0.048		mg/Kg	1	6/27/2021 5:58:46 A	M 60834	
ND	0.048		mg/Kg	1	6/27/2021 5:58:46 A	M 60834	
ND	0.096		mg/Kg	1	6/27/2021 5:58:46 A	M 60834	
104	70-130		%Rec	1	6/27/2021 5:58:46 A	M 60834	
	ND SANICS ND ND 55.6 ND 102 ND ND ND ND	ND 60 GANICS ND 10 ND 50 55.6 70-130 ND 4.8 102 70-130 ND 0.024 ND 0.048 ND 0.048 ND 0.048 ND 0.096	ND 60 SANICS ND 10 ND 50 55.6 70-130 S ND 4.8 102 70-130 ND 0.024 ND 0.048 ND 0.048 ND 0.048 ND 0.096	Result RL Qual Units SANICS ND 10 mg/Kg ND 50 mg/Kg 55.6 70-130 S %Rec ND 4.8 mg/Kg 102 70-130 %Rec ND 0.024 mg/Kg ND 0.048 mg/Kg ND 0.048 mg/Kg ND 0.048 mg/Kg ND 0.096 mg/Kg	Result RL Qual Units DF ND 60 mg/Kg 20 GANICS ND 10 mg/Kg 1 ND 50 mg/Kg 1 55.6 70-130 S %Rec 1 ND 4.8 mg/Kg 1 102 70-130 %Rec 1 ND 0.024 mg/Kg 1 ND 0.048 mg/Kg 1 ND 0.048 mg/Kg 1 ND 0.048 mg/Kg 1 ND 0.096 mg/Kg 1	Analy ND 60 mg/Kg 20 6/26/2021 12:51:19 I GANICS Analy ND 10 mg/Kg 1 6/26/2021 11:38:48 / ND 50 mg/Kg 1 6/26/2021 11:38:48 / 55.6 70-130 S %Rec 1 6/26/2021 11:38:48 / Analy ND 4.8 mg/Kg 1 6/27/2021 5:58:46 A 102 70-130 %Rec 1 6/27/2021 5:58:46 A Analy ND 0.024 mg/Kg 1 6/27/2021 5:58:46 A ND 0.048 mg/Kg 1 6/27/2021 5:58:46 A	

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

Qualifiers:

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

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

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Lab Order: **2106A61**Date Reported: **6/30/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Lab Order: 2106A61

Project: Gerard AW Battery

Lab ID: 2106A61-010 **Collection Date:** 6/17/2021 2:10:00 PM

Client Sample ID: TP4-2 Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed 1	Batch ID
EPA METHOD 300.0: ANIONS						Analys	st: JMT
Chloride	66	60		mg/Kg	20	6/26/2021 1:03:44 PM	60940
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS					Analys	t: BRM
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	6/25/2021 12:36:45 A	M 60872
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/25/2021 12:36:45 A	M 60872
Surr: DNOP	53.5	70-130	S	%Rec	1	6/25/2021 12:36:45 A	M 60872
EPA METHOD 8015D: GASOLINE RANGE						Analys	st: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	6/27/2021 6:22:20 AM	60834
Surr: BFB	103	70-130		%Rec	1	6/27/2021 6:22:20 AM	60834
EPA METHOD 8021B: VOLATILES						Analys	st: NSB
Benzene	ND	0.023		mg/Kg	1	6/27/2021 6:22:20 AM	60834
Toluene	ND	0.046		mg/Kg	1	6/27/2021 6:22:20 AM	60834
Ethylbenzene	ND	0.046		mg/Kg	1	6/27/2021 6:22:20 AM	60834
Xylenes, Total	ND	0.093		mg/Kg	1	6/27/2021 6:22:20 AM	60834
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	6/27/2021 6:22:20 AM	60834

Lab ID: 2106A61-011 **Collection Date:** 6/17/2021 2:20:00 PM

Client Sample ID: TP5-2 Matrix: SOIL

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Bato	ch ID
EPA METHOD 300.0: ANIONS					Anal	yst: \	۷P
Chloride	5200	150	mg/Kg	50	6/28/2021 9:59:48 A	M 6	60940
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Anal	yst: E	BRM
Diesel Range Organics (DRO)	14	9.6	mg/Kg	1	6/25/2021 1:50:01 A	м 6	60872
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	6/25/2021 1:50:01 A	M 6	60872
Surr: DNOP	88.3	70-130	%Rec	1	6/25/2021 1:50:01 A	M 6	60872
EPA METHOD 8015D: GASOLINE RANGE					Anal	yst: N	NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	6/27/2021 6:45:53 A	м 6	60834
Surr: BFB	102	70-130	%Rec	1	6/27/2021 6:45:53 A	M 6	60834
EPA METHOD 8021B: VOLATILES					Anal	yst: N	NSB
Benzene	ND	0.025	mg/Kg	1	6/27/2021 6:45:53 A	м 6	60834
Toluene	ND	0.050	mg/Kg	1	6/27/2021 6:45:53 A	M 6	60834
Ethylbenzene	ND	0.050	mg/Kg	1	6/27/2021 6:45:53 A	M 6	60834
Xylenes, Total	ND	0.10	mg/Kg	1	6/27/2021 6:45:53 A	M 6	60834
Surr: 4-Bromofluorobenzene	103	70-130	%Rec	1	6/27/2021 6:45:53 A	M 6	60834

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

Qualifiers:

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

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

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Lab Order: **2106A61**Date Reported: **6/30/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Lab Order: 2106A61

Project: Gerard AW Battery

Lab ID: 2106A61-012 **Collection Date:** 6/17/2021 2:40:00 PM

Client Sample ID: TP5-10 Matrix: SOIL

Chent Sample ID: 173-10	Matrix: SOIL							
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch ID		
EPA METHOD 300.0: ANIONS					Ana	lyst: VP		
Chloride	3400	150	mg/Kg	50	6/28/2021 10:12:13	AM 60940		
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Ana	lyst: BRM		
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	6/25/2021 2:14:27 A	AM 60872		
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	6/25/2021 2:14:27 A	AM 60872		
Surr: DNOP	73.6	70-130	%Rec	1	6/25/2021 2:14:27 A	AM 60872		
EPA METHOD 8015D: GASOLINE RANGE					Ana	lyst: NSB		
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	6/27/2021 7:09:28 A	AM 60834		
Surr: BFB	101	70-130	%Rec	1	6/27/2021 7:09:28 A	AM 60834		
EPA METHOD 8021B: VOLATILES					Ana	lyst: NSB		
Benzene	ND	0.023	mg/Kg	1	6/27/2021 7:09:28 A	AM 60834		
Toluene	ND	0.046	mg/Kg	1	6/27/2021 7:09:28 A	AM 60834		
Ethylbenzene	ND	0.046	mg/Kg	1	6/27/2021 7:09:28 A	AM 60834		
Xylenes, Total	ND	0.093	mg/Kg	1	6/27/2021 7:09:28 A	AM 60834		
Surr: 4-Bromofluorobenzene	103	70-130	%Rec	1	6/27/2021 7:09:28 A	AM 60834		

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

Qualifiers:

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

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

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Lab Order: **2106A61**Date Reported: **6/30/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Lab Order: 2106A61

Project: Gerard AW Battery

Lab ID: 2106A61-013 **Collection Date:** 6/17/2021 3:00:00 PM

Client Sample ID: TP5-14 Matrix: SOIL

Cheft Sample ID: 173-14	Matrix; SOIL							
Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch ID		
EPA METHOD 300.0: ANIONS					Ana	lyst: JMT		
Chloride	2100	60	mg/Kg	20	6/26/2021 2:05:48 F	PM 60940		
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Ana	lyst: BRM		
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	6/25/2021 3:03:27	AM 60872		
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	6/25/2021 3:03:27	AM 60872		
Surr: DNOP	72.7	70-130	%Rec	1	6/25/2021 3:03:27	AM 60872		
EPA METHOD 8015D: GASOLINE RANGE					Ana	lyst: NSB		
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	6/27/2021 7:33:04	AM 60834		
Surr: BFB	102	70-130	%Rec	1	6/27/2021 7:33:04	AM 60834		
EPA METHOD 8021B: VOLATILES					Ana	lyst: NSB		
Benzene	ND	0.025	mg/Kg	1	6/27/2021 7:33:04	AM 60834		
Toluene	ND	0.050	mg/Kg	1	6/27/2021 7:33:04	AM 60834		
Ethylbenzene	ND	0.050	mg/Kg	1	6/27/2021 7:33:04	AM 60834		
Xylenes, Total	ND	0.099	mg/Kg	1	6/27/2021 7:33:04	AM 60834		
Surr: 4-Bromofluorobenzene	104	70-130	%Rec	1	6/27/2021 7:33:04 /	AM 60834		

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

Qualifiers:

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

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

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Hall Environmental Analysis Laboratory, Inc.

2106A61 30-Jun-21

WO#:

Client: GHD

Project: Gerard AW Battery

Sample ID: MB-60891 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 60891 RunNo: 79336

Prep Date: 6/24/2021 Analysis Date: 6/24/2021 SeqNo: 2788070 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-60891 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 60891 RunNo: 79336

Prep Date: 6/24/2021 Analysis Date: 6/24/2021 SeqNo: 2788071 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 95.4 90 110

Sample ID: MB-60940 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 60940 RunNo: 79397

Prep Date: 6/25/2021 Analysis Date: 6/26/2021 SeqNo: 2790645 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-60940 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 60940 RunNo: 79397

Prep Date: 6/25/2021 Analysis Date: 6/26/2021 SeqNo: 2790647 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 91.8 90 110

Qualifiers:

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

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2106A61** 30-Jun-21

Client: GHD

Project: Gerard AW Battery

Sample ID: LCS-60867 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: LCSS Batch ID: 60867 RunNo: 79325

Prep Date: 6/23/2021 Analysis Date: 6/24/2021 SeqNo: 2787407 Units: %Rec

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

Surr: DNOP 4.3 5.000 85.6 70 130

Sample ID: LCS-60872 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: LCSS Batch ID: 60872 RunNo: 79325

Prep Date: 6/23/2021 Analysis Date: 6/25/2021 SeqNo: 2787408 Units: mq/Kq

%REC %RPD Analyte Result PQL SPK value SPK Ref Val LowLimit HighLimit **RPDLimit** Qual Diesel Range Organics (DRO) 46 10 50.00 0 91.3 68.9 141

Diesel Range Organics (DRO) 46 10 50.00 0 91.3 68.9 141
Surr: DNOP 4.0 5.000 79.7 70 130

Sample ID: MB-60867 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: PBS Batch ID: 60867 RunNo: 79325

Prep Date: 6/23/2021 Analysis Date: 6/24/2021 SeqNo: 2787409 Units: %Rec

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

Surr: DNOP 8.7 10.00 86.7 70 130

Sample ID: MB-60872 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: PBS Batch ID: 60872 RunNo: 79325

Prep Date: 6/23/2021 Analysis Date: 6/24/2021 SeqNo: 2787410 Units: mq/Kq

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

Diesel Range Organics (DRO) ND 10 Motor Oil Range Organics (MRO) ND 50

Surr: DNOP 9.4 10.00 93.6 70 130

Sample ID: 2106A61-010AMS SampType: MS TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: **TP4-2** Batch ID: **60872** RunNo: **79325**

Prep Date: 6/23/2021 Analysis Date: 6/25/2021 SeqNo: 2787418 Units: mg/Kg

SPK value SPK Ref Val %REC %RPD **RPDLimit** Analyte Result PQL LowLimit HighLimit Qual Diesel Range Organics (DRO) 36 10 50.35 71.9 15 184

Surr: DNOP 2.3 5.035 45.9 70 130 S

Sample ID: 2106A61-010AMSD SampType: MSD TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: **TP4-2** Batch ID: **60872** RunNo: **79325**

Prep Date: 6/23/2021 Analysis Date: 6/25/2021 SeqNo: 2787419 Units: mg/Kg

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

Diesel Range Organics (DRO) 33 9.8 48.97 0 67.2 15 184 9.48 23.9

Qualifiers:

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

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: 2106A61 30-Jun-21

Client: GHD

Project: Gerard AW Battery

Sample ID: 21	106A61-010AMSD	SampType:	MSD	Tes	tCode: El	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: TF	P4-2	Batch ID:	60872	F	RunNo: 7 9	9325				
Prep Date: 6	6/23/2021	Analysis Date:	6/25/2021	8	SeqNo: 2	787419	Units: mg/K	g		
Analyte		Result PC	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		1.9	4.897		38.5	70	130	0	0	S

Sample ID: LCS-60869 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 60869 RunNo: 79364

Prep Date: 6/23/2021 Analysis Date: 6/26/2021 SeqNo: 2789111 Units: %Rec

SPK value SPK Ref Val %REC %RPD Analyte Result PQL LowLimit HighLimit **RPDLimit** Qual Surr: DNOP 6.0 5.000 119

Sample ID: MB-60869 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PBS Batch ID: 60869 Prep Date: 6/23/2021 Analysis Date: 6/26/2021 SeqNo: 2789122 Units: %Rec Analyte Result POL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Surr: DNOP 10.00 107 70

Sample ID: LCS-60871 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 60871 RunNo: 79325 Prep Date: 6/23/2021 Analysis Date: 6/26/2021 SeqNo: 2789215 Units: mg/Kg HighLimit Analyte Result PQL SPK value SPK Ref Val %REC LowLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) 10 n 46 50.00 92.2 68.9 141 Surr: DNOP 3.7 5.000 73.3 70 130

Sample ID: LCS-60876 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 60876 RunNo: 79325 Prep Date: 6/23/2021 Analysis Date: 6/25/2021 SeqNo: 2789216 Units: %Rec SPK value SPK Ref Val %REC %RPD **RPDLimit** Analyte Result PQL LowLimit HighLimit Qual Surr: DNOP 5.000 83.2 130

Sample ID: MB-60871 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PBS Batch ID: 60871 RunNo: 79325 Analysis Date: 6/26/2021 SeqNo: 2789217 Prep Date: 6/23/2021 Units: mg/Kg SPK value SPK Ref Val %REC LowLimit **RPDLimit** Analyte Result **PQL** HighLimit %RPD Qual Diesel Range Organics (DRO) ND 10 Motor Oil Range Organics (MRO) ND 50

Surr: DNOP 8.0

10.00 79.6 70 130

Qualifiers:

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

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

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Hall Environmental Analysis Laboratory, Inc.

SampType: MBLK

Analysis Date: 6/26/2021

WO#: 2106A61

30-Jun-21

Client: GHD

Sample ID: MB-60876

Prep Date: 6/24/2021

Project: Gerard AW Battery

Client ID: PBS	Batch ID: 60876	RunNo: 79325
Prep Date: 6/23/2021	Analysis Date: 6/25/2021	SeqNo: 2789218
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qua
Surr: DNOP	9.3 10.00	92.6 70 130
Sample ID: MB-60873	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 60873	RunNo: 79364
Prep Date: 6/23/2021	Analysis Date: 6/26/2021	SeqNo: 2789298 Units: %Rec
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qua
Surr: DNOP	8.2 10.00	82.0 70 130
Sample ID: LCS-60873	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 60873	RunNo: 79364
Prep Date: 6/23/2021	Analysis Date: 6/26/2021	SeqNo: 2789299 Units: %Rec
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qua
Surr: DNOP	4.1 5.000	81.0 70 130
Sample ID: MB-60915	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 60915	RunNo: 79325

TestCode: EPA Method 8015M/D: Diesel Range Organics

Units: %Rec

Analyte	Result PQL SPK	value SPK Ref Val %F	EC LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.8	10.00	8.4 70	130			
Sample ID: MB-60900	SampType: MBLK	TestCod	e: EPA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batch ID: 60900	RunN	o: 79325				
Prep Date: 6/24/2021	Analysis Date: 6/26/202	21 SegN	o: 2789502	Units: %Red	:		

SeqNo: 2789501

Client ID: PBS	Batch	ID: 60	900	F	RunNo: 7 9	9325				
Prep Date: 6/24/2021	Analysis Da	ate: 6/	26/2021	S	SeqNo: 2	789502	Units: %Rec	:		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.4		10.00		93.6	70	130			

Sample ID: LCS-60915	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 60915	RunNo: 79325
Prep Date: 6/24/2021	Analysis Date: 6/26/2021	SeqNo: 2789503 Units: %Rec
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: DNOP	4.7 5.000	93.7 70 130

Qualifiers:

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

- Analyte detected in the associated Method Blank
- Value above quantitation range
- Analyte detected below quantitation limits
- Sample pH Not In Range
- Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

2106A61 30-Jun-21

WO#:

Client: GHD

Project: Gerard AW Battery

Sample ID: LCS-60900 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: LCSS Batch ID: 60900 RunNo: 79325

Prep Date: 6/24/2021 Analysis Date: 6/26/2021 SeqNo: 2789504 Units: %Rec

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

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

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2106A61** 30-Jun-21

Client: GHD

Project: Gerard AW Battery

Sample ID: mb-60834 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: **PBS** Batch ID: **60834** RunNo: **79388**

Prep Date: 6/22/2021 Analysis Date: 6/26/2021 SeqNo: 2790058 Units: mg/Kg

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

Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 1100 1000 106 70 130

Sample ID: Ics-60834 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 60834 RunNo: 79388

Prep Date: 6/22/2021 Analysis Date: 6/26/2021 SeqNo: 2790059 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 5.0 25.00 O 108 78.6 131

Surr: BFB 1100 1000 115 70 130

Sample ID: mb-60841 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 60841 RunNo: 79388

Prep Date: 6/22/2021 Analysis Date: 6/27/2021 SeqNo: 2790082 Units: %Rec

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

Surr: BFB 1000 1000 102 70 130

Sample ID: Ics-60841 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 60841 RunNo: 79388

Prep Date: 6/22/2021 Analysis Date: 6/27/2021 SeqNo: 2790083 Units: %Rec

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

Surr: BFB 1100 1000 113 70 130

Qualifiers:

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

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2106A61** *30-Jun-21*

Client: GHD

Project: Gerard AW Battery

Sample ID: mb-60834	SampT	уре: МЕ	BLK	Tes						
Client ID: PBS	Batcl	h ID: 60 8	334	F	RunNo: 7	9388				
Prep Date: 6/22/2021	Analysis D	Date: 6/ 2	26/2021	S	SeqNo: 2	790116	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		109	70	130			
Sample ID: LCS-60834	SampT	ype: LC	s	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batch ID: 60834 RunNo: 79388									
Prep Date: 6/22/2021	Analysis D	Date: 6/ 2	26/2021	S	SeqNo: 2	790117	Units: mg/K	g		

Client ID: LCSS	Batcl	n ID: 60 8	334	F	RunNo: 7	9388				
Prep Date: 6/22/2021	Analysis D	ate: 6/ 2	26/2021	S	SeqNo: 2	790117	Units: mg/K	(g		
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	110	80	120			
Ethylbenzene	1.1	0.050	1.000	0	108	80	120			
Xylenes, Total	3.3	0.10	3.000	0	110	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		111	70	130			

Sample ID: mb-60841	SampT	уре: М Е	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batch	ID: 60	841	F	RunNo: 7 9	9388				
Prep Date: 6/22/2021	Analysis D	ate: 6/	27/2021	S	SeqNo: 2	790140	Units: %Rec	;		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1.000		103	70	130			

Sample ID: LCS-60841	SampT	ype: LC	s	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batch	n ID: 60	841	F	RunNo: 7	9388				
Prep Date: 6/22/2021	Analysis D	ate: 6	/27/2021	S	SeqNo: 2	790141	Units: %Red	3		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	11		1 000		108	70	130			

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

B Analyte detected in the associated Method Blank

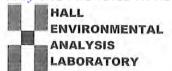
E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

Sample Log-In Check List

Client Name:	GHD	Work Order	Number: 210	5A61		RcptNo: 1	
Received By:	Desiree Dominguez	6/19/2021 8:4	0:00 AM		TD3		
Completed By:	Desiree Dominguez	6/19/2021 10:	05:56 AM		TO		
Reviewed By:	JR 6/21/21						
Chain of Cus	stody						
1. Is Chain of C	sustody complete?		Yes	V	No 🗌	Not Present	
2. How was the	sample delivered?		Cou	rier			
Log In							
3. Was an atten	npt made to cool the samples	?	Yes	V	No 🗌	NA 🗆	
4. Were all sam	ples received at a temperature	e of >0° C to 6.0°	C Yes	V	No 🗌	NA 🗆	
5. Sample(s) in	proper container(s)?		Yes	~	No 🗆		
6. Sufficient sam	nple volume for indicated test(s)?	Yes	v	No 🗌		
7. Are samples ((except VOA and ONG) prope	rly preserved?	Yes	V	No 🗌		
8. Was preserva	ative added to bottles?		Yes		No 🔽	NA 🗆	
9. Received at le	east 1 vial with headspace <1/	4" for AQ VOA?	Yes		No 🗌	NA 🔽	
10. Were any sar	mple containers received brok	en?	Yes		No 🗹	# of preserved	
11 Does nanenw	ork match bottle labels?		Yes		No 🗆	bottles checked for pH:	
	ancies on chain of custody)		res		INO L		2 unless noted)
12. Are matrices	correctly identified on Chain o	f Custody?	Yes	V	No 🗌	Adjusted?	
13. Is it clear wha	t analyses were requested?		Yes	V	No 🗌		
	ing times able to be met? ustomer for authorization.)		Yes	~	No 🗌	Checked by: DA	D 6.19.21
Special Handl	ling (if applicable)						
	otified of all discrepancies with	this order?	Yes		No 🗌	NA 🗸	
Person	Notified:		Date:	_			
By Who			Via: eM	ail 🗆	Phone Fax	In Person	
Regard] T		
Client I	nstructions:						
16. Additional re	marks:						
17. <u>Cooler Information</u> Cooler No.		Seal Intact Seal	No Seal D	ate	Signed By		

HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmental.com R. Herr 4901 Hawkins NE - Albuquerque NM 87100	5 Fax 505-345-4107	Analysis Request	so ₄	SIM3	3270 (1) (2), 1	08/s 08/s .40 .8 10	O3;	etho etho 7 83 Met 7 N 7 N	PEAL No. PEAR No. PEAR D. P.	33 33 33 33 33 33 33 33 33 33 33 33 33	7007	, 203	400-	-00S	900-	-007	-008	600-	010-	-0//	-012 W C10-	Time		Date Time Birton Bill to CO Change Sales	Direct Dill to Edg Orlase Settle
Turn-Around Time: A Standard	Project #:	9) /0771	Project Manager: Beckv Haskell	Tom Larson	Sampler: Zach Comino	X Yes		Cooler Temp(including CF): 2,4+0	Container Type and # Type	Sear	4											Received by: Via: D	MANA	NiN.	
Client: GHD Client GHD Mailing Address:	324 W. Main St. Suite 108, Artesia NM 88210 Phone #: (505)377-4218	Sov#: Booky Hookell@sha com	Decay: Ideadell@glid.colli	☐ Level 4 (Full Validation)	on: Az Compliance	□ Other	□ EDD (Type) # of	COO	Date Time Matrix Sample Name Type	06/12/ 1000 S TP1-2	1630 TPI-10	10-10 TPI-14	1300 TPI-20	172-5	1330 TP2-2	1340 123-5	1345 TP3-2	1405 1794-5	1410 TP4-2		1940 V TPS-10	Relinquished by:	71 CBED Zect Cernino 12/1	Relinquished by:	18 1 Oct 1 O

Receiv	ved by	OCL): 5/ ₂	27/	202	22 8	3:30:2	8 A	M^{-}				T		1	T	_	1	1	1	1	-	Page 70 of 41
HALL ENVIRONMENTAL	· W	www.hallenvironmental.com	4901 Hawkins NE - Albuquerque, NM 87109	Tel. 505-345-3975 Fax 505-345-4107	Analysis	Þ.(B's MS MS	DO 1	28082 (1.4) 728 227	95/N/ses/N/ses/N/ses/N/ses/N/ses/N/ses/N/ses/N/ses/N/ses/N/ses/N/ses/N/ses/N/ses/N/ses/N/ses/N/ses/N/ses/N/ses	bolds thod thod 0Neta NO 0N (A	TEX / IEX /	85 B B B B	0									Received by: Via: Date Time Remarks: Please email: Chase_Settle@eogresources.com; Chase_Settle@eogresources.com; Tom.Larson@ghd.com; Zach.Comino@ghd.com: Along with Received by: Via: Date Time Becky Haskell listed above. Plucky Haskell listed above. Date Time Date Time Direct Bill to EOG Chase Settle Plucky Haskell listed above. Date Time Date Time Direct Bill to EOG Chase Settle Plucky Haskell listed above. Date Time Date Date Date Date Date Date Date Date
Turn-Around Time:	Project Name:		Project #:		1122,8976			nos		No.	Vincluding CF): 2.4 + 0.3 - 2.7.	Container Preservative HEAL No.	10/2										Received by: Via: Date Time Received by: Via: Via: Date Time Received by: Via: Date Time Antracted to other accredited laboratories. This serves as notice of this pos
Client: GHD	sed to	Mailing Address:	324 W. Main St. Suite 108, Artesia NM 88210	200000	(505)377-4218	email or Fax#: Becky. Haskell@ghd.com		Solution Level 4 (Full Validation)	▼ Accreditation: ☐ AZ Compliance ▼ ☐ NELAC ☐ Other	□ EDD (Type)		Date Time Matrix Sample Name	CHR1 1500 S TPS-14									T. C.	Date: Time: Relinquished by: Time: Relinquished by:



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

July 02, 2021

Becky Haskell GHD 6121 Indian School Road, NE #200 Albuquerque, NM 87110 TEL: (505) 884-0672

FAX

RE: Gerard SW Battery OrderNo.: 2106B87

Dear Becky Haskell:

Hall Environmental Analysis Laboratory received 14 sample(s) on 6/23/2021 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

andy

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order: **2106B87**Date Reported: **7/2/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Lab Order: 2106B87

Project: Gerard SW Battery

Lab ID: 2106B87-001 **Collection Date:** 6/21/2021 9:50:00 AM

Client Sample ID: TP5-16 Matrix: SOIL

Analyses	Result	RL	Qual Units	DF	Date Analyzed B	atch ID
EPA METHOD 300.0: ANIONS					Analys	t: VP
Chloride	2300	150	mg/Kg	50	7/1/2021 5:37:39 AM	60993
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	t: BRM
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	6/26/2021 7:05:14 PM	60915
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	6/26/2021 7:05:14 PM	60915
Surr: DNOP	81.1	70-130	%Rec	1	6/26/2021 7:05:14 PM	60915
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	6/29/2021 7:29:09 PM	60893
Surr: BFB	102	70-130	%Rec	1	6/29/2021 7:29:09 PM	60893
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.024	mg/Kg	1	6/29/2021 7:29:09 PM	60893
Toluene	ND	0.048	mg/Kg	1	6/29/2021 7:29:09 PM	60893
Ethylbenzene	ND	0.048	mg/Kg	1	6/29/2021 7:29:09 PM	60893
Xylenes, Total	ND	0.095	mg/Kg	1	6/29/2021 7:29:09 PM	60893
Surr: 4-Bromofluorobenzene	104	70-130	%Rec	1	6/29/2021 7:29:09 PM	60893

Lab ID: 2106B87-002 **Collection Date:** 6/21/2021 10:00:00 AM

Client Sample ID: TP5-20 Matrix: SOIL

Analyses	Result	RL Q	Qual Units	DF	Date Analyzed 1	Batch ID
EPA METHOD 300.0: ANIONS					Analys	st: VP
Chloride	1100	60	mg/Kg	20	6/29/2021 4:26:31 PM	60993
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analys	st: BRM
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	6/26/2021 7:29:37 PM	60915
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	6/26/2021 7:29:37 PM	60915
Surr: DNOP	82.6	70-130	%Rec	1	6/26/2021 7:29:37 PM	60915
EPA METHOD 8015D: GASOLINE RANGE					Analys	st: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	6/29/2021 7:52:33 PM	60893
Surr: BFB	100	70-130	%Rec	1	6/29/2021 7:52:33 PM	60893
EPA METHOD 8021B: VOLATILES					Analys	st: NSB
Benzene	ND	0.024	mg/Kg	1	6/29/2021 7:52:33 PM	60893
Toluene	ND	0.048	mg/Kg	1	6/29/2021 7:52:33 PM	60893
Ethylbenzene	ND	0.048	mg/Kg	1	6/29/2021 7:52:33 PM	60893
Xylenes, Total	ND	0.097	mg/Kg	1	6/29/2021 7:52:33 PM	60893
Surr: 4-Bromofluorobenzene	102	70-130	%Rec	1	6/29/2021 7:52:33 PM	60893

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

Qualifiers:

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

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

Page 1 of 16

CLIENT:

Analytical Report

Lab Order: **2106B87**Date Reported: **7/2/2021**

Hall Environmental Analysis Laboratory, Inc.

2106B87

Lab Order:

Project: Gerard SW Battery

GHD

Lab ID: 2106B87-003 **Collection Date:** 6/21/2021 10:30:00 AM

Client Sample ID: TP6-S Matrix: SOIL

Cheff Sample ID: 110-5		Matrix: SOIL							
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID		
EPA METHOD 300.0: ANIONS						Ana	lyst: VP		
Chloride	ND	60		mg/Kg	20	6/29/2021 4:38:55 F	PM 60993		
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS					Ana	lyst: BRM		
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	6/28/2021 3:10:50 A	AM 60915		
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/28/2021 3:10:50 A	AM 60915		
Surr: DNOP	47.4	70-130	S	%Rec	1	6/28/2021 3:10:50 A	AM 60915		
EPA METHOD 8015D: GASOLINE RANGE						Ana	lyst: NSB		
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	6/29/2021 9:03:12 F	PM 60893		
Surr: BFB	99.6	70-130		%Rec	5	6/29/2021 9:03:12 F	PM 60893		
EPA METHOD 8021B: VOLATILES						Ana	lyst: NSB		
Benzene	ND	0.12		mg/Kg	5	6/29/2021 9:03:12 F	PM 60893		
Toluene	ND	0.24		mg/Kg	5	6/29/2021 9:03:12 F	PM 60893		
Ethylbenzene	ND	0.24		mg/Kg	5	6/29/2021 9:03:12 F	PM 60893		
Xylenes, Total	ND	0.47		mg/Kg	5	6/29/2021 9:03:12 F	PM 60893		
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	5	6/29/2021 9:03:12 F	PM 60893		

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

Qualifiers:

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

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

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Lab Order: **2106B87**Date Reported: **7/2/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Lab Order: 2106B87

Project: Gerard SW Battery

Lab ID: 2106B87-004 **Collection Date:** 6/21/2021 10:35:00 AM

Client Sample ID: TP6-2 Matrix: SOIL

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Ba	tch ID
EPA METHOD 300.0: ANIONS					Ana	alyst:	VP
Chloride	ND	60	mg/Kg	20	6/29/2021 4:51:20	PM	60993
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Ana	alyst:	BRM
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	6/26/2021 8:18:17	PM	60915
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	6/26/2021 8:18:17	PM	60915
Surr: DNOP	93.2	70-130	%Rec	1	6/26/2021 8:18:17	PM	60915
EPA METHOD 8015D: GASOLINE RANGE					Ana	alyst:	NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	6/29/2021 9:26:41	PM	60893
Surr: BFB	99.2	70-130	%Rec	1	6/29/2021 9:26:41	PM	60893
EPA METHOD 8021B: VOLATILES					Ana	alyst:	NSB
Benzene	ND	0.024	mg/Kg	1	6/29/2021 9:26:41	PM	60893
Toluene	ND	0.047	mg/Kg	1	6/29/2021 9:26:41	PM	60893
Ethylbenzene	ND	0.047	mg/Kg	1	6/29/2021 9:26:41	PM	60893
Xylenes, Total	ND	0.094	mg/Kg	1	6/29/2021 9:26:41	PM	60893
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	1	6/29/2021 9:26:41	PM	60893

Lab ID: 2106B87-005 **Collection Date:** 6/21/2021 10:50:00 AM

Client Sample ID: TP7-S Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Ana	lyst: VP
Chloride	ND	60		mg/Kg	20	6/29/2021 5:03:45 F	PM 60993
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS					Ana	lyst: BRM
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	6/28/2021 6:48:54	AM 60915
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/28/2021 6:48:54	AM 60915
Surr: DNOP	42.7	70-130	S	%Rec	1	6/28/2021 6:48:54	AM 60915
EPA METHOD 8015D: GASOLINE RANGE						Ana	lyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/29/2021 9:50:06 F	PM 60893
Surr: BFB	98.1	70-130		%Rec	1	6/29/2021 9:50:06 F	PM 60893
EPA METHOD 8021B: VOLATILES						Ana	lyst: NSB
Benzene	ND	0.024		mg/Kg	1	6/29/2021 9:50:06 F	PM 60893
Toluene	ND	0.048		mg/Kg	1	6/29/2021 9:50:06 F	PM 60893
Ethylbenzene	ND	0.048		mg/Kg	1	6/29/2021 9:50:06 F	PM 60893
Xylenes, Total	ND	0.096		mg/Kg	1	6/29/2021 9:50:06 F	PM 60893
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	6/29/2021 9:50:06 F	PM 60893

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

Qualifiers:

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

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

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Lab Order: 2106B87

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/2/2021

CLIENT: GHD Lab Order: 2106B87

Project: Gerard SW Battery

Lab ID: 2106B87-006 **Collection Date:** 6/21/2021 10:55:00 AM

Client Sample ID: TP7-2 Matrix: SOIL

Cheft Sample ID: 177-2			Matrix	: 50	ЛL	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS					Ana	lyst: JMT
Chloride	ND	59	mg/Kg	20	6/29/2021 4:09:23 F	PM 61012
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Ana	lyst: BRM
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	6/26/2021 9:06:56 F	PM 60915
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	6/26/2021 9:06:56 F	PM 60915
Surr: DNOP	76.1	70-130	%Rec	1	6/26/2021 9:06:56 F	PM 60915
EPA METHOD 8015D: GASOLINE RANGE					Ana	lyst: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	6/29/2021 10:13:33	PM 60893
Surr: BFB	101	70-130	%Rec	1	6/29/2021 10:13:33	PM 60893
EPA METHOD 8021B: VOLATILES					Ana	lyst: NSB
Benzene	ND	0.024	mg/Kg	1	6/29/2021 10:13:33	PM 60893
Toluene	ND	0.047	mg/Kg	1	6/29/2021 10:13:33	PM 60893
Ethylbenzene	ND	0.047	mg/Kg	1	6/29/2021 10:13:33	PM 60893
Xylenes, Total	ND	0.095	mg/Kg	1	6/29/2021 10:13:33	PM 60893
Surr: 4-Bromofluorobenzene	103	70-130	%Rec	1	6/29/2021 10:13:33	PM 60893

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

Qualifiers:

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

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

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Lab Order: **2106B87**Date Reported: **7/2/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Lab Order: 2106B87

Project: Gerard SW Battery

Lab ID: 2106B87-007 **Collection Date:** 6/21/2021 11:00:00 AM

Client Sample ID: TP8-S Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Anal	yst: JMT
Chloride	ND	60		mg/Kg	20	6/29/2021 4:21:47 P	M 61012
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS					Anal	yst: BRM
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	6/28/2021 2:22:13 A	M 60915
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/28/2021 2:22:13 A	M 60915
Surr: DNOP	26.2	70-130	S	%Rec	1	6/28/2021 2:22:13 A	M 60915
EPA METHOD 8015D: GASOLINE RANGE						Anal	yst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/29/2021 10:37:04	PM 60893
Surr: BFB	100	70-130		%Rec	1	6/29/2021 10:37:04	PM 60893
EPA METHOD 8021B: VOLATILES						Anal	yst: NSB
Benzene	ND	0.024		mg/Kg	1	6/29/2021 10:37:04	PM 60893
Toluene	ND	0.048		mg/Kg	1	6/29/2021 10:37:04	PM 60893
Ethylbenzene	ND	0.048		mg/Kg	1	6/29/2021 10:37:04	PM 60893
Xylenes, Total	ND	0.096		mg/Kg	1	6/29/2021 10:37:04	PM 60893
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	6/29/2021 10:37:04	PM 60893

Lab ID: 2106B87-008 **Collection Date:** 6/21/2021 11:05:00 AM

Client Sample ID: TP8-2 Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analy	/st: JMT
Chloride	ND	60		mg/Kg	20	6/29/2021 4:34:12 P	M 61012
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS					Analy	st: BRM
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	6/26/2021 9:55:30 P	M 60915
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/26/2021 9:55:30 P	M 60915
Surr: DNOP	69.8	70-130	S	%Rec	1	6/26/2021 9:55:30 P	M 60915
EPA METHOD 8015D: GASOLINE RANGE						Analy	st: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/29/2021 11:00:28 F	PM 60893
Surr: BFB	100	70-130		%Rec	1	6/29/2021 11:00:28	PM 60893
EPA METHOD 8021B: VOLATILES						Analy	st: NSB
Benzene	ND	0.025		mg/Kg	1	6/29/2021 11:00:28 F	PM 60893
Toluene	ND	0.050		mg/Kg	1	6/29/2021 11:00:28 F	PM 60893
Ethylbenzene	ND	0.050		mg/Kg	1	6/29/2021 11:00:28 F	PM 60893
Xylenes, Total	ND	0.099		mg/Kg	1	6/29/2021 11:00:28 F	PM 60893
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	6/29/2021 11:00:28 F	PM 60893

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

Qualifiers:

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

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

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Lab Order: **2106B87**Date Reported: **7/2/2021**

Hall Environmental Analysis Laboratory, Inc.

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2106B87

Lab Order:

CLIENT: GHD

Project: Gerard SW Battery

Lab ID: 2106B87-009 **Collection Date:** 6/21/2021 11:15:00 AM

Client Sample ID: HA1-S Matrix: SOIL

Chent Sample ID: HAT-5				Matrix	: 50	ИL	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Ana	alyst: JMT
Chloride	ND	60		mg/Kg	20	6/29/2021 4:46:36	PM 61012
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS					Ana	alyst: BRM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	6/28/2021 1:33:41	AM 60915
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/28/2021 1:33:41	AM 60915
Surr: DNOP	32.8	70-130	S	%Rec	1	6/28/2021 1:33:41	AM 60915
EPA METHOD 8015D: GASOLINE RANGE						Ana	alyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/29/2021 11:23:56	PM 60893
Surr: BFB	98.0	70-130		%Rec	1	6/29/2021 11:23:56	PM 60893
EPA METHOD 8021B: VOLATILES						Ana	alyst: NSB
Benzene	ND	0.025		mg/Kg	1	6/29/2021 11:23:56	60893
Toluene	ND	0.050		mg/Kg	1	6/29/2021 11:23:56	60893 PM
Ethylbenzene	ND	0.050		mg/Kg	1	6/29/2021 11:23:56	PM 60893
Xylenes, Total	ND	0.10		mg/Kg	1	6/29/2021 11:23:56	PM 60893
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	6/29/2021 11:23:56	PM 60893

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

Qualifiers:

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

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

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Lab Order: **2106B87**Date Reported: **7/2/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Lab Order: 2106B87

Project: Gerard SW Battery

Lab ID: 2106B87-010 **Collection Date:** 6/21/2021 11:20:00 AM

Client Sample ID: HA1-2 Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed B	atch ID
EPA METHOD 300.0: ANIONS						Analys	t: JMT
Chloride	69	60		mg/Kg	20	6/29/2021 5:23:50 PM	61012
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS					Analys	t: BRM
Diesel Range Organics (DRO)	24	9.9		mg/Kg	1	6/28/2021 12:45:07 AM	A 60915
Motor Oil Range Organics (MRO)	63	50		mg/Kg	1	6/28/2021 12:45:07 AM	A 60915
Surr: DNOP	54.9	70-130	S	%Rec	1	6/28/2021 12:45:07 AM	A 60915
EPA METHOD 8015D: GASOLINE RANGE						Analys	t: NSB
Gasoline Range Organics (GRO)	ND	25		mg/Kg	5	6/29/2021 11:47:29 PM	A 60893
Surr: BFB	99.5	70-130		%Rec	5	6/29/2021 11:47:29 PM	A 60893
EPA METHOD 8021B: VOLATILES						Analys	t: NSB
Benzene	ND	0.12		mg/Kg	5	6/29/2021 11:47:29 PM	A 60893
Toluene	ND	0.25		mg/Kg	5	6/29/2021 11:47:29 PM	A 60893
Ethylbenzene	ND	0.25		mg/Kg	5	6/29/2021 11:47:29 PM	A 60893
Xylenes, Total	ND	0.50		mg/Kg	5	6/29/2021 11:47:29 PM	A 60893
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	5	6/29/2021 11:47:29 PM	A 60893

Lab ID: 2106B87-011 **Collection Date:** 6/21/2021 12:20:00 PM

Client Sample ID: TP9-2 Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch 1	ID
EPA METHOD 300.0: ANIONS						Ana	alyst: JM T	т
Chloride	ND	60		mg/Kg	20	6/29/2021 5:36:15	PM 610	112
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS					Ana	alyst: SB	
Diesel Range Organics (DRO)	2000	98		mg/Kg	10	6/26/2021 3:47:39	PM 6092	25
Motor Oil Range Organics (MRO)	1400	490		mg/Kg	10	6/26/2021 3:47:39	PM 6092	25
Surr: DNOP	0	70-130	S	%Rec	10	6/26/2021 3:47:39	PM 6092	25
EPA METHOD 8015D: GASOLINE RANGE						Ana	alyst: mb)
Gasoline Range Organics (GRO)	11	9.7		mg/Kg	2	6/29/2021 10:34:00	PM 609	119
Surr: BFB	113	70-130		%Rec	2	6/29/2021 10:34:00	PM 609	119
EPA METHOD 8021B: VOLATILES						Ana	alyst: mb)
Benzene	ND	0.049		mg/Kg	2	6/29/2021 10:34:00	PM 609	119
Toluene	ND	0.097		mg/Kg	2	6/29/2021 10:34:00	PM 609	119
Ethylbenzene	ND	0.097		mg/Kg	2	6/29/2021 10:34:00	PM 609	119
Xylenes, Total	ND	0.19		mg/Kg	2	6/29/2021 10:34:00	PM 609	119
Surr: 4-Bromofluorobenzene	97.3	70-130		%Rec	2	6/29/2021 10:34:00	PM 609)19

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

Qualifiers:

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

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

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Lab Order: 2106B87

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/2/2021

CLIENT: GHD Lab Order: 2106B87

Project: Gerard SW Battery

Lab ID: 2106B87-012 **Collection Date:** 6/21/2021 12:30:00 PM

Client Sample ID: TP9-8 Matrix: SOIL

Result **RL Oual Units DF** Date Analyzed **Analyses** Batch ID **EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride ND 6/29/2021 5:48:39 PM 61 61012 mg/Kg 20 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) 6/26/2021 4:00:19 PM ND 9.6 mg/Kg 1 60925 Motor Oil Range Organics (MRO) ND 6/26/2021 4:00:19 PM 60925 48 mg/Kg 1 Surr: DNOP 103 70-130 %Rec 1 6/26/2021 4:00:19 PM 60925 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: mb Gasoline Range Organics (GRO) ND 5.0 mg/Kg 1 6/29/2021 11:33:00 PM 60919 Surr: BFB 115 70-130 %Rec 1 6/29/2021 11:33:00 PM 60919 **EPA METHOD 8021B: VOLATILES** Analyst: mb Benzene ND 0.025 6/29/2021 11:33:00 PM 60919 mg/Kg Toluene ND 0.050 mg/Kg 1 6/29/2021 11:33:00 PM 60919 Ethylbenzene ND 0.050 mg/Kg 1 6/29/2021 11:33:00 PM 60919 Xylenes, Total ND 0.10 mg/Kg 6/29/2021 11:33:00 PM 60919 Surr: 4-Bromofluorobenzene 98.0 70-130 %Rec 6/29/2021 11:33:00 PM 60919

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

Qualifiers:

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

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

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Lab Order: **2106B87**Date Reported: **7/2/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Lab Order: 2106B87

Project: Gerard SW Battery

Lab ID: 2106B87-013 **Collection Date:** 6/21/2021 12:45:00 PM

Client Sample ID: TP9-14 Matrix: SOIL

Analyses	Result	RL Qu	al Units	DF	Date Analyzed B	atch ID
EPA METHOD 300.0: ANIONS					Analys	t: JMT
Chloride	160	61	mg/Kg	20	6/29/2021 6:01:03 PM	61012
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	t: SB
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	6/26/2021 4:12:41 PM	60925
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	6/26/2021 4:12:41 PM	60925
Surr: DNOP	102	70-130	%Rec	1	6/26/2021 4:12:41 PM	60925
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: mb
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	6/30/2021 12:33:00 AN	1 60919
Surr: BFB	94.0	70-130	%Rec	1	6/30/2021 12:33:00 AN	1 60919
EPA METHOD 8021B: VOLATILES					Analys	t: mb
Benzene	ND	0.024	mg/Kg	1	6/30/2021 12:33:00 AN	1 60919
Toluene	ND	0.048	mg/Kg	1	6/30/2021 12:33:00 AM	1 60919
Ethylbenzene	ND	0.048	mg/Kg	1	6/30/2021 12:33:00 AN	1 60919
Xylenes, Total	ND	0.097	mg/Kg	1	6/30/2021 12:33:00 AN	1 60919
Surr: 4-Bromofluorobenzene	91.4	70-130	%Rec	1	6/30/2021 12:33:00 AM	1 60919

Lab ID: 2106B87-014 **Collection Date:** 6/21/2021 1:00:00 PM

Client Sample ID: TP9-20 Matrix: SOIL

Analyses	Result	RL	Qual Units	DF	Date Analyzed B	atch ID
EPA METHOD 300.0: ANIONS					Analys	t: JMT
Chloride	550	60	mg/Kg	20	6/29/2021 6:13:27 PM	61012
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	t: SB
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	6/26/2021 4:25:14 PM	60925
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	6/26/2021 4:25:14 PM	60925
Surr: DNOP	103	70-130	%Rec	1	6/26/2021 4:25:14 PM	60925
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: mb
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	6/30/2021 12:52:00 AM	1 60919
Surr: BFB	99.7	70-130	%Rec	1	6/30/2021 12:52:00 AM	1 60919
EPA METHOD 8021B: VOLATILES					Analys	t: mb
Benzene	ND	0.024	mg/Kg	1	6/30/2021 12:52:00 AM	1 60919
Toluene	ND	0.048	mg/Kg	1	6/30/2021 12:52:00 AM	1 60919
Ethylbenzene	ND	0.048	mg/Kg	1	6/30/2021 12:52:00 AM	1 60919
Xylenes, Total	ND	0.097	mg/Kg	1	6/30/2021 12:52:00 AM	1 60919
Surr: 4-Bromofluorobenzene	96.7	70-130	%Rec	1	6/30/2021 12:52:00 AM	1 60919

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

Qualifiers:

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

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

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Lab Order: 2106B87

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/2/2021

CLIENT: GHD Lab Order: 2106B87

Project: Gerard SW Battery

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

Qualifiers:

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

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2106B87**

02-Jul-21

Client: GHD

Project: Gerard SW Battery

Sample ID: MB-60993 SampType: MBLK TestCode: EPA Method 300.0: Anions

Client ID: **PBS** Batch ID: **60993** RunNo: **79428**

Prep Date: 6/29/2021 Analysis Date: 6/29/2021 SeqNo: 2792934 Units: mq/Kq

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

Chloride ND 1.5

Sample ID: LCS-60993 SampType: LCS TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 60993 RunNo: 79428

Prep Date: 6/29/2021 Analysis Date: 6/29/2021 SeqNo: 2792935 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-61012 SampType: MBLK TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 61012 RunNo: 79428

Prep Date: 6/29/2021 Analysis Date: 6/30/2021 SeqNo: 2793004 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-61012 SampType: LCS TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 61012 RunNo: 79428

Prep Date: 6/29/2021 Analysis Date: 6/30/2021 SeqNo: 2793005 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 91.9 90 110

Sample ID: MB-61012 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 61012 RunNo: 79443

Prep Date: 6/29/2021 Analysis Date: 6/29/2021 SeqNo: 2793801 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-61012 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 61012 RunNo: 79443

Prep Date: 6/29/2021 Analysis Date: 6/29/2021 SeqNo: 2793802 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 91.5 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

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Qual

Hall Environmental Analysis Laboratory, Inc.

WO#: **2106B87**

02-Jul-21

Client: GHD

Project: Gerard SW Battery

Project: Gerard S	SW Battery									
Sample ID: MB-60915	SampTy	ре: МЕ	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: PBS	Batch	ID: 60 9	915	F	RunNo: 7 9	9325				
Prep Date: 6/24/2021	Analysis Da	te: 6/ 2	26/2021	S	SeqNo: 2	789501	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.8		10.00		98.4	70	130			
Sample ID: LCS-60915	SampTy	pe: LC	s	Tes	tCode: EI	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: LCSS	Batch	ID: 60 9	915	F	RunNo: 7 9	9325				
Prep Date: 6/24/2021	Analysis Da	te: 6/ 2	26/2021	S	SeqNo: 2	789503	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	54	10	50.00	0	107	68.9	141			
Surr: DNOP	4.7		5.000		93.7	70	130			
Sample ID: MB-60925	SampTy	ре: МЕ	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: PBS	Batch	ID: 60 9	925	F	RunNo: 7 9	9364				
Prep Date: 6/25/2021	Analysis Da	te: 6/ 2	26/2021	S	SeqNo: 2	789749	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		109	70	130			
Sample ID: LCS-60925	SampTy	pe: LC	S	Tes	tCode: EI	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: LCSS	Batch	ID: 60 9	925	F	RunNo: 7 9	9364				
Prep Date: 6/25/2021	Analysis Da	te: 6/ 2	26/2021	S	SeqNo: 2	789750	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	98.0	68.9	141			_
Surr: DNOP	5.6		5.000		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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2106B87**

02-Jul-21

Client: GHD

Project: Gerard SW Battery

Sample ID: mb-60893 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 60893 RunNo: 79456

Prep Date: 6/24/2021 Analysis Date: 6/29/2021 SeqNo: 2792789 Units: mq/Kq

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

Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 990 1000 99.0 70 130

Sample ID: Ics-60893 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 60893 RunNo: 79456

Prep Date: 6/24/2021 Analysis Date: 6/29/2021 SeqNo: 2792790 Units: mg/Kg

HighLimit Analyte Result PQL SPK value SPK Ref Val %REC LowLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 26 5.0 25.00 O 106 78.6 131

 Surr: BFB
 1100
 1000
 112
 70
 130

Sample ID: mb-60919 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 60919 RunNo: 79458

Prep Date: 6/24/2021 Analysis Date: 6/29/2021 SeqNo: 2793254 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 90.1 70 130

Sample ID: Ics-60919 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 60919 RunNo: 79458

Prep Date: 6/24/2021 Analysis Date: 6/29/2021 SeqNo: 2793256 Units: mg/Kg

Result SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** PQL LowLimit Qual Gasoline Range Organics (GRO) 25 5.0 25.00 101 78.6 131

Surr: BFB 1000 1000 104 70 130

Sample ID: 2106B87-011ams SampType: MS TestCode: EPA Method 8015D: Gasoline Range

Client ID: **TP9-2** Batch ID: **60919** RunNo: **79458**

Prep Date: 6/24/2021 Analysis Date: 6/29/2021 SeqNo: 2793258 Units: mg/Kg

Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 31 9.7 10.77 61.3 24.18 83.1 114 Surr: BFB 2300 1934 117 70 130

Sample ID: 2106B87-011amsd SampType: MSD TestCode: EPA Method 8015D: Gasoline Range

Client ID: **TP9-2** Batch ID: **60919** RunNo: **79458**

Prep Date: 6/24/2021 Analysis Date: 6/29/2021 SeqNo: 2793260 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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2106B87** *02-Jul-21*

Client: GHD

Project: Gerard SW Battery

Sample ID: 2106B87-011amsd SampType: MSD TestCode: EPA Method 8015D: Gasoline Range

Client ID: **TP9-2** Batch ID: **60919** RunNo: **79458**

Prep Date: 6/24/2021 Analysis Date: 6/29/2021 SeqNo: 2793260 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 10.77 61.3 4.74 20 29 9.4 23.61 79.0 114 Surr: BFB 2300 1889 120 70 130 0 0

Qualifiers:

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

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2106B87**

02-Jul-21

Client: GHD

Project: Gerard SW Battery

Sample ID: mb-60893	SampT	уре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batcl	h ID: 60 8	893	F	RunNo: 7	9456				
Prep Date: 6/24/2021	Analysis D	Date: 6/	29/2021	S	SeqNo: 2	792832	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		101	70	130			

Sample ID: LCS-60893	Samp1	Гуре: LC	S	Tes	tCode: E l	PA Method	8021B: Volat	tiles		
Client ID: LCSS	Batc	h ID: 60	893	F	RunNo: 7	9456				
Prep Date: 6/24/2021	Analysis [Date: 6/	29/2021	8	SeqNo: 2	792833	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.81	0.025	1.000	0	81.1	80	120			
Toluene	0.92	0.050	1.000	0	91.5	80	120			
Ethylbenzene	0.94	0.050	1.000	0	94.3	80	120			
Xylenes, Total	2.8	0.10	3.000	0	94.2	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		102	70	130			

Sample ID: mb-60919	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batch	n ID: 60 9	919	F	RunNo: 7	9458				
Prep Date: 6/24/2021	Analysis D	ate: 6/	29/2021	S	SeqNo: 2	793306	Units: mg/k	ίg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.91		1.000		91.1	70	130			

Sample ID: Ics-60919	SampT	ype: LC	s	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batcl	h ID: 60 9	919	F	RunNo: 7 9	9458				
Prep Date: 6/24/2021	Analysis D	Date: 6/ 2	29/2021	S	SeqNo: 2	793308	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	102	80	120			
Toluene	1.0	0.050	1.000	0	103	80	120			
Ethylbenzene	1.0	0.050	1.000	0	105	80	120			
Xylenes, Total	3.2	0.10	3.000	0	105	80	120			
Surr: 4-Bromofluorobenzene	0.97		1.000		97.2	70	130			

Qualifiers:

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

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2106B87**

02-Jul-21

Client: GHD

Project: Gerard SW Battery

Sample ID: 2106B87-012ams	SampT	уре: М5	3	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: TP9-8	Batcl	n ID: 60 9	919	F	RunNo: 7	9458				
Prep Date: 6/24/2021	Analysis D)ate: 6/	29/2021	S	SeqNo: 2	793310	Units: mg/k	ζg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	0.9911	0	96.8	80	120			
Toluene	0.98	0.050	0.9911	0	98.4	80	120			
Ethylbenzene	1.0	0.050	0.9911	0	101	80	120			
Xylenes, Total	3.0	0.099	2.973	0.03500	99.8	80	120			
Surr: 4-Bromofluorobenzene	0.94		0.9911		95.3	70	130			

Sample ID: 2106B87-012amsc	I SampT	уре: МS	SD	Tes	tCode: EI	PA Method	8021B: Volat	iles		
Client ID: TP9-8	Batcl	n ID: 60 9	919	F	RunNo: 7 9	9458				
Prep Date: 6/24/2021	Analysis D	ate: 6/	30/2021	S	SeqNo: 2	793318	Units: mg/K	ίg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.87	0.024	0.9766	0	89.0	80	120	9.92	20	
Toluene	0.89	0.049	0.9766	0	90.7	80	120	9.57	20	
Ethylbenzene	0.91	0.049	0.9766	0	92.7	80	120	9.93	20	
Xylenes, Total	2.7	0.098	2.930	0.03500	91.3	80	120	10.2	20	
Surr: 4-Bromofluorobenzene	0.89		0.9766		90.9	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

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

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LABORATORY

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

Sample Log-In Check List

Client Name: GHD Work Order Number: 2106B87 RcptNo: 1 Charles Charles Received By: Juan Rojas 6/23/2021 7:30:00 AM Completed By: Cheyenne Cason 6/23/2021 8:14:02 AM Reviewed By: 6.23.21 10 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 🗌 Were all samples received at a temperature of >0° C to 6.0°C No Yes V NA 🗌 5. Sample(s) in proper container(s)? Yes V No 🗌 6. Sufficient sample volume for indicated test(s)? Yes V No 🗌 7. Are samples (except VOA and ONG) properly preserved? V Yes No 8. Was preservative added to bottles? Yes No V NA 🗌 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes No NA V Yes 10. Were any sample containers received broken? No V # of preserved bottles checked 11. Does paperwork match bottle labels? Yes V No 🗌 for pH: (Note discrepancies on chain of custody) (<2 or >12 unless noted) Adjusted? 12. Are matrices correctly identified on Chain of Custody? Yes V No 🗌 13. Is it clear what analyses were requested? Yes V No Checked by: RLC 14. Were all holding times able to be met? Yes V No 🗌 (If no, notify customer for authorization.) 6/23/21 Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? Yes No | NA V Person Notified: Date: By Whom: Via: eMail Phone Fax In Person Regarding: Client Instructions: 16. Additional remarks: 17. Cooler Information Cooler No Temp °C Condition Seal Intact Seal No Seal Date Signed By 1 5.3 Good

Page 1 of 1

Project Name	510001							
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##: (505)3774218 ##: (505)3774218 Project Manager: Package: Decky Haskell@ahd.com Project Manager: Package: Campliance C	Suite 108,	Project #:	6	Tel			jue, INIM 67 109	3/4
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Re		ANALYSIS LABORATORNE		Albuquerque, NM 87109	Fax 505-345-4107	vednest	ent)	sdA\	(07)	N (A	0Λ Ο ³	N ,1 (AC	F, B 60 (V0 70 (Setal Co	85. 85 (Cl)	2	2						Remarks: Please email: Chase_Settle@eogresources.com; Tom.Larson@ghd.com; Zach.Comino@ghd.com; Along with	Becky Haskell listed above. Direct Bill to EOG Chase Settle	
	H	AN	WW	4901 Hawkins NE	lel. 505-345-3975		s,	SCB	1) 1082 F	70% 18/s	əbi əbi	15D(etho	ТЕХ / 181 Ре 181 Ре 180 Г	13 08 13	9	×						Remarks: Please email: Chase Tom.Larson@ghd.com; Zach.Co	Be Direc	
Turn-Around Time:	Standard		ALIRIA	Project #:	2168-521				Pr. Zach Comino	X Yes 🗆 No		Cooler Temp(including CF): 5: 4-6.1-5.3	Container Preservative HEAL No.	1350 11061381	Jee (213	4						7	Via: Date	If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited Jahrahvins This service of with the contract of the service of with the service of the serv
Chain-of-Custody Record	Client: GHD		Mailing Address:	324 W. Main St. Suite 108, Artesia NM 88210	(505)377-4218	email or Fax#: Becky. Haskell@ghd.com	QA/QC Package:	☐ Standard ☐ Level 4 (Full Validation)	on:	- INELAC - Other			Date Time Matrix Sample Name	10:01		02-1-1					Date: Time: Relinquished by:	Dec Commental	Time: Relinquished by:	If necessary, samples submitted to Hall Environmental may be subcon



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

July 20, 2021

Tom Larson GHD Midland 2135 S Loop 250 W Midland, TX 79703

TEL: (432) 686-0086

FAX

RE: Gerard AW Battery OrderNo.: 2107473

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 10 sample(s) on 7/10/2021 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

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order: 2107473

Date Reported: 7/20/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Lab Order: 2107473

Project: Gerard AW Battery

Lab ID: 2107473-001 **Collection Date:** 7/8/2021 8:15:00 AM

Client Sample ID: TP10-2 Matrix: SOIL

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Bat	ch ID
EPA METHOD 300.0: ANIONS					Ana	lyst: '	VP
Chloride	5800	300	mg/Kg	100	7/15/2021 7:26:53 F	PM	61289
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Ana	lyst:	SB
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	7/14/2021 5:34:02 F	PM	61259
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	7/14/2021 5:34:02 F	PM	61259
Surr: DNOP	88.2	70-130	%Rec	1	7/14/2021 5:34:02 F	PM	61259
EPA METHOD 8015D: GASOLINE RANGE					Ana	lyst:	NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	7/13/2021 5:48:30 F	PM	61241
Surr: BFB	101	70-130	%Rec	1	7/13/2021 5:48:30 F	PM	61241
EPA METHOD 8021B: VOLATILES					Ana	lyst:	NSB
Benzene	ND	0.023	mg/Kg	1	7/13/2021 5:48:30 F	PM	61241
Toluene	ND	0.047	mg/Kg	1	7/13/2021 5:48:30 F	PM	61241
Ethylbenzene	ND	0.047	mg/Kg	1	7/13/2021 5:48:30 F	PM	61241
Xylenes, Total	ND	0.093	mg/Kg	1	7/13/2021 5:48:30 F	PM	61241
Surr: 4-Bromofluorobenzene	103	70-130	%Rec	1	7/13/2021 5:48:30 F	PM	61241

Lab ID: 2107473-002 **Collection Date:** 7/8/2021 8:25:00 AM

Client Sample ID: TP10-8 Matrix: SOIL

Analyses	Result	RL (Qual Units	DF	Date Analyzed	Bato	ch ID
EPA METHOD 300.0: ANIONS					Ana	alyst: \	/P
Chloride	5200	300	mg/Kg	100	7/15/2021 7:39:18	PM 6	61289
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Ana	alyst: S	3B
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	7/14/2021 5:58:01	PM 6	61259
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	7/14/2021 5:58:01	PM 6	61259
Surr: DNOP	92.7	70-130	%Rec	1	7/14/2021 5:58:01	PM 6	61259
EPA METHOD 8015D: GASOLINE RANGE					Ana	alyst: N	NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/13/2021 6:12:22	PM 6	61241
Surr: BFB	99.4	70-130	%Rec	1	7/13/2021 6:12:22	PM 6	61241
EPA METHOD 8021B: VOLATILES					Ana	alyst: N	NSB
Benzene	ND	0.024	mg/Kg	1	7/13/2021 6:12:22	PM 6	61241
Toluene	ND	0.048	mg/Kg	1	7/13/2021 6:12:22	PM 6	61241
Ethylbenzene	ND	0.048	mg/Kg	1	7/13/2021 6:12:22	PM 6	61241
Xylenes, Total	ND	0.097	mg/Kg	1	7/13/2021 6:12:22	PM 6	61241
Surr: 4-Bromofluorobenzene	102	70-130	%Rec	1	7/13/2021 6:12:22	PM 6	61241

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

Qualifiers:

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

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

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Lab Order: 2107473

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/20/2021

CLIENT: GHD Midland Lab Order: 2107473

Project: Gerard AW Battery

Lab ID: 2107473-003 **Collection Date:** 7/8/2021 8:40:00 AM

Client Sample ID: TP10-15 Matrix: SOIL

Result **RL Oual Units DF** Date Analyzed **Analyses Batch ID EPA METHOD 300.0: ANIONS** Analyst: VP Chloride 300 6500 mg/Kg 100 7/15/2021 7:51:43 PM 61289 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) 7/14/2021 6:21:58 PM ND 9.0 mg/Kg 61259 mg/Kg Motor Oil Range Organics (MRO) ND 7/14/2021 6:21:58 PM 61259 45 1 Surr: DNOP 94.2 70-130 %Rec 7/14/2021 6:21:58 PM 61259 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 4.9 mg/Kg 1 7/13/2021 6:36:19 PM 61241 Surr: BFB 103 70-130 %Rec 1 7/13/2021 6:36:19 PM 61241 **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 0.024 7/13/2021 6:36:19 PM mg/Kg 61241 Toluene ND 0.049 mg/Kg 7/13/2021 6:36:19 PM 61241 Ethylbenzene ND 0.049 mg/Kg 1 7/13/2021 6:36:19 PM 61241 Xylenes, Total ND 0.097 mg/Kg 7/13/2021 6:36:19 PM 61241 Surr: 4-Bromofluorobenzene 106 70-130 %Rec 7/13/2021 6:36:19 PM 61241

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

Qualifiers:

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

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

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Lab Order: **2107473**Date Reported: **7/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Lab Order: 2107473

Project: Gerard AW Battery

Lab ID: 2107473-004 **Collection Date:** 7/8/2021 8:50:00 AM

Client Sample ID: TP10-20 Matrix: SOIL

Analyses	Result	RL	Qual Units	DF	Date Analyzed B	atch ID
EPA METHOD 300.0: ANIONS					Analys	t: VP
Chloride	4400	150	mg/Kg	50	7/15/2021 8:04:08 PM	61289
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analys	t: SB
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	7/14/2021 6:45:54 PM	61259
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	7/14/2021 6:45:54 PM	61259
Surr: DNOP	95.1	70-130	%Rec	1	7/14/2021 6:45:54 PM	61259
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/13/2021 7:00:17 PM	61241
Surr: BFB	98.3	70-130	%Rec	1	7/13/2021 7:00:17 PM	61241
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.025	mg/Kg	1	7/13/2021 7:00:17 PM	61241
Toluene	ND	0.049	mg/Kg	1	7/13/2021 7:00:17 PM	61241
Ethylbenzene	ND	0.049	mg/Kg	1	7/13/2021 7:00:17 PM	61241
Xylenes, Total	ND	0.099	mg/Kg	1	7/13/2021 7:00:17 PM	61241
Surr: 4-Bromofluorobenzene	102	70-130	%Rec	1	7/13/2021 7:00:17 PM	61241

Lab ID: 2107473-005 **Collection Date:** 7/8/2021 9:00:00 AM

Client Sample ID: TP11-2 Matrix: SOIL

Analyses	Result	RL (Qual Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS					Ana	lyst: VP
Chloride	7000	300	mg/Kg	100	7/15/2021 8:16:32 F	PM 61289
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Ana	lyst: BRM
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	7/14/2021 1:06:05 F	PM 61260
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	7/14/2021 1:06:05 F	PM 61260
Surr: DNOP	75.8	70-130	%Rec	1	7/14/2021 1:06:05 F	PM 61260
EPA METHOD 8015D: GASOLINE RANGE					Ana	lyst: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/13/2021 9:22:36 F	PM 61244
Surr: BFB	97.2	70-130	%Rec	1	7/13/2021 9:22:36 F	PM 61244
EPA METHOD 8021B: VOLATILES					Ana	lyst: NSB
Benzene	ND	0.025	mg/Kg	1	7/13/2021 9:22:36 F	PM 61244
Toluene	ND	0.049	mg/Kg	1	7/13/2021 9:22:36 F	PM 61244
Ethylbenzene	ND	0.049	mg/Kg	1	7/13/2021 9:22:36 F	PM 61244
Xylenes, Total	ND	0.099	mg/Kg	1	7/13/2021 9:22:36 F	PM 61244
Surr: 4-Bromofluorobenzene	102	70-130	%Rec	1	7/13/2021 9:22:36 F	PM 61244

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

Qualifiers:

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

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

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Lab Order: 2107473

Date Reported: 7/20/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Lab Order: 2107473

Project: Gerard AW Battery

Lab ID: 2107473-006 **Collection Date:** 7/8/2021 9:30:00 AM

Client Sample ID: TP11-8 Matrix: SOIL

Chefit Sample 1D. 11 11-0			Matrix	. 50	/IL	
Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS					Ana	ılyst: VP
Chloride	4700	150	mg/Kg	50	7/15/2021 8:28:57	PM 61289
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Ana	ılyst: BRM
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	7/14/2021 2:19:11	PM 61260
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	7/14/2021 2:19:11	PM 61260
Surr: DNOP	79.9	70-130	%Rec	1	7/14/2021 2:19:11	PM 61260
EPA METHOD 8015D: GASOLINE RANGE					Ana	ılyst: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/13/2021 10:33:29	PM 61244
Surr: BFB	99.1	70-130	%Rec	1	7/13/2021 10:33:29	PM 61244
EPA METHOD 8021B: VOLATILES					Ana	ılyst: NSB
Benzene	ND	0.024	mg/Kg	1	7/13/2021 10:33:29	PM 61244
Toluene	ND	0.049	mg/Kg	1	7/13/2021 10:33:29	PM 61244
Ethylbenzene	ND	0.049	mg/Kg	1	7/13/2021 10:33:29	PM 61244
Xylenes, Total	ND	0.098	mg/Kg	1	7/13/2021 10:33:29	PM 61244
Surr: 4-Bromofluorobenzene	104	70-130	%Rec	1	7/13/2021 10:33:29	PM 61244

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

Qualifiers:

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

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

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Lab Order: 2107473

Date Reported: 7/20/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Lab Order: 2107473

Project: Gerard AW Battery

Lab ID: 2107473-007 **Collection Date:** 7/8/2021 9:40:00 AM

Client Sample ID: TP11-15 Matrix: SOIL

Analyses	Result	RL Qu	ıal Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS					Anal	yst: VP
Chloride	5200	150	mg/Kg	50	7/15/2021 8:41:21 P	M 61289
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Anal	yst: BRM
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	7/14/2021 2:43:24 P	M 61260
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	7/14/2021 2:43:24 P	M 61260
Surr: DNOP	75.0	70-130	%Rec	1	7/14/2021 2:43:24 P	M 61260
EPA METHOD 8015D: GASOLINE RANGE					Anal	yst: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	7/13/2021 11:44:18	PM 61244
Surr: BFB	97.9	70-130	%Rec	1	7/13/2021 11:44:18 I	PM 61244
EPA METHOD 8021B: VOLATILES					Anal	yst: NSB
Benzene	ND	0.023	mg/Kg	1	7/13/2021 11:44:18 I	PM 61244
Toluene	ND	0.047	mg/Kg	1	7/13/2021 11:44:18 I	PM 61244
Ethylbenzene	ND	0.047	mg/Kg	1	7/13/2021 11:44:18 I	PM 61244
Xylenes, Total	ND	0.093	mg/Kg	1	7/13/2021 11:44:18 I	PM 61244
Surr: 4-Bromofluorobenzene	103	70-130	%Rec	1	7/13/2021 11:44:18 I	PM 61244

Lab ID: 2107473-008 **Collection Date:** 7/8/2021 9:50:00 AM

Client Sample ID: TP11-20 Matrix: SOIL

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	h ID
EPA METHOD 300.0: ANIONS					Ana	alyst: V I	Р
Chloride	5200	150	mg/Kg	50	7/15/2021 8:53:46	PM 61	1289
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Ana	alyst: B	RM
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	7/14/2021 3:07:44	PM 61	1260
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	7/14/2021 3:07:44	PM 61	1260
Surr: DNOP	74.9	70-130	%Rec	1	7/14/2021 3:07:44	PM 61	1260
EPA METHOD 8015D: GASOLINE RANGE					Ana	alyst: N	SB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/14/2021 12:07:48	8 AM 61	1244
Surr: BFB	98.7	70-130	%Rec	1	7/14/2021 12:07:48	3 AM 61	1244
EPA METHOD 8021B: VOLATILES					Ana	alyst: N	SB
Benzene	ND	0.024	mg/Kg	1	7/14/2021 12:07:48	8 AM 61	1244
Toluene	ND	0.048	mg/Kg	1	7/14/2021 12:07:48	3 AM 61	1244
Ethylbenzene	ND	0.048	mg/Kg	1	7/14/2021 12:07:48	3 AM 61	1244
Xylenes, Total	ND	0.095	mg/Kg	1	7/14/2021 12:07:48	3 AM 61	1244
Surr: 4-Bromofluorobenzene	104	70-130	%Rec	1	7/14/2021 12:07:48	3 AM 61	1244

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

Qualifiers:

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

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

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Lab Order: 2107473

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/20/2021

CLIENT: GHD Midland Lab Order: 2107473

Project: Gerard AW Battery

Lab ID: 2107473-009 **Collection Date:** 7/8/2021 10:20:00 AM

Client Sample ID: TP12-S Matrix: SOIL

Chent Sample ID: 1712-5			Matrix	: 50	ЛL	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS					Ana	alyst: VP
Chloride	ND	59	mg/Kg	20	7/15/2021 1:14:25	PM 61289
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Ana	alyst: JME
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	7/15/2021 12:04:44	4 PM 61260
Motor Oil Range Organics (MRO)	54	49	mg/Kg	1	7/15/2021 12:04:44	4 PM 61260
Surr: DNOP	83.8	70-130	%Rec	1	7/15/2021 12:04:44	4 PM 61260
EPA METHOD 8015D: GASOLINE RANGE					Ana	alyst: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	7/14/2021 12:31:2	1 AM 61244
Surr: BFB	96.9	70-130	%Rec	1	7/14/2021 12:31:2	1 AM 61244
EPA METHOD 8021B: VOLATILES					Ana	alyst: NSB
Benzene	ND	0.023	mg/Kg	1	7/14/2021 12:31:21	1 AM 61244
Toluene	ND	0.047	mg/Kg	1	7/14/2021 12:31:2	1 AM 61244
Ethylbenzene	ND	0.047	mg/Kg	1	7/14/2021 12:31:2	1 AM 61244
Xylenes, Total	ND	0.094	mg/Kg	1	7/14/2021 12:31:2	1 AM 61244
Surr: 4-Bromofluorobenzene	103	70-130	%Rec	1	7/14/2021 12:31:2	1 AM 61244

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

Qualifiers:

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

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

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Lab Order: 2107473

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/20/2021

CLIENT: GHD Midland Lab Order: 2107473

Project: Gerard AW Battery

Lab ID: 2107473-010 **Collection Date:** 7/8/2021 10:45:00 AM

Client Sample ID: TP12-2 Matrix: SOIL

Analyses Result RL Qual Units DF Date Analyzed **Batch ID EPA METHOD 300.0: ANIONS** Analyst: VP Chloride ND 60 mg/Kg 7/15/2021 1:26:50 PM 61289 20 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: BRM Diesel Range Organics (DRO) ND mg/Kg 7/14/2021 4:20:51 PM 61260 9.8 1 Motor Oil Range Organics (MRO) ND 49 mg/Kg 1 7/14/2021 4:20:51 PM 61260 Surr: DNOP 79.0 70-130 %Rec 7/14/2021 4:20:51 PM 61260 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 7/14/2021 12:54:51 AM 61244 4.8 mg/Kg 1 Surr: BFB 93.5 70-130 %Rec 7/14/2021 12:54:51 AM 61244 **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 0.024 7/14/2021 12:54:51 AM 61244 mg/Kg Toluene ND 0.048 7/14/2021 12:54:51 AM 61244 mg/Kg Ethylbenzene ND 0.048 mg/Kg 1 7/14/2021 12:54:51 AM 61244 Xylenes, Total ND 0.096 mg/Kg 1 7/14/2021 12:54:51 AM 61244 Surr: 4-Bromofluorobenzene 98.2 70-130 %Rec 7/14/2021 12:54:51 AM 61244

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

Qualifiers:

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

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2107473**

20-Jul-21

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: MB-61289 SampType: MBLK TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 61289 RunNo: 79791

Prep Date: 7/14/2021 Analysis Date: 7/15/2021 SeqNo: 2808308 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-61289 SampType: LCS TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 61289 RunNo: 79791

Prep Date: 7/14/2021 Analysis Date: 7/15/2021 SeqNo: 2808309 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 94.6 90 110

Qualifiers:

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

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: 2107473 20-Jul-21

Client: GHD Midland

Project: Gerard AW Battery

Sample ID: MB-61259	SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics									
Client ID: PBS	Batch	n ID: 61 2	259	F	RunNo: 7	9789				
Prep Date: 7/13/2021	Analysis D	ate: 7/	14/2021	8	SeqNo: 2	806762	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.2		10.00		91.6	70	130			
Sample ID: LCS-61259	CampT	ype: LC	c	Tac	tCode: El	PA Mothod	8015M/D: Die	ocal Bang	o Organias	
Oample ID. LC3-01239	Sampi	ype. LC	3	163	icode. Li	A WELLIOU	OUTSIVITE. DIE	esei Kang	e Organics	
	•	n ID: 61 2			RunNo: 7 9		6015W/D. DR	esei Kaligi	e Organics	
Client ID: LCSS	•	n ID: 61 2	259	F		9789	Units: mg/K		e Organics	
Client ID: LCSS Prep Date: 7/13/2021	Batch	n ID: 61 2	259 14/2021	F	RunNo: 7 9	9789			RPDLimit	Qual
Client ID: LCSS Prep Date: 7/13/2021 Analyte	Batch Analysis D	n ID: 61 2 Date: 7/	259 14/2021	F	RunNo: 7 9 SeqNo: 2 9	9789 806763	Units: mg/K	(g	•	Qual
Client ID: LCSS	Batch Analysis D Result	n ID: 61 2 Date: 7/ PQL	259 14/2021 SPK value	F S SPK Ref Val	RunNo: 7 9 SeqNo: 2 9 %REC	9789 806763 LowLimit	Units: mg/K HighLimit	(g	•	Qual

Sample ID: 2107473-005AMS	SampT	ype: MS	3	Tes	tCode: El	EPA Method 8015M/D: Diesel Range Organics					
Client ID: TP11-2	Batch	n ID: 61 2	260	F	RunNo: 7 9	9808					
Prep Date: 7/13/2021	Analysis D	ate: 7/	14/2021	٤	SeqNo: 28	807036	Units: mg/K	(g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	37	9.6	48.08	0	77.0	15	184				
Surr: DNOP	2.9		4.808		59.4	70	130			S	

Sample ID: 2107473-005AMS	D SampT	ype: MS	SD	Tes	d 8015M/D: Diesel Range Organics					
Client ID: TP11-2	Batch	n ID: 61	260	F	RunNo: 7	9808				
Prep Date: 7/13/2021	Analysis D)ate: 7/	14/2021	S	SeqNo: 2	807037	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	9.6	48.08	0	88.3	15	184	13.7	23.9	
Surr: DNOP	3.1		4.808		65.1	70	130	0	0	S

Sample ID: LCS-61260	SampT	ype: LC	S	TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch	ID: 61	260	R	RunNo: 7	9808				
Prep Date: 7/13/2021	Analysis D	ate: 7/	14/2021	SeqNo: 2807054 Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	96.0	68.9	141			
Surr: DNOP	4.1		5.000		81.8	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

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Hall Environmental Analysis Laboratory, Inc.

SampType: LCS

Batch ID: 61275

Analysis Date: 7/14/2021

Result

4.0

WO#: **2107473 20-Jul-21**

Client: GHD Midland
Project: Gerard AW Battery

	*		
Sample ID: MB-61260	SampType: MBLK	TestCode: EPA Method 80	15M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 61260	RunNo: 79808	
Prep Date: 7/13/2021	Analysis Date: 7/14/2021	SeqNo: 2807055 U	nits: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit H	HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	ND 10		
Motor Oil Range Organics (MRO)	ND 50		
Surr: DNOP	8.4 10.00	83.9 70	130
Sample ID: MB-61268	SampType: MBLK	TestCode: EPA Method 80	15M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 61268	RunNo: 79790	
Prep Date: 7/13/2021	Analysis Date: 7/14/2021	SeqNo: 2807608 U	nits: %Rec
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit F	HighLimit %RPD RPDLimit Qual
Surr: DNOP	8.9 10.00	89.4 70	130
Sample ID: LCS-61268	SampType: LCS	TestCode: EPA Method 80	15M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 61268	RunNo: 79790	
Prep Date: 7/13/2021	Analysis Date: 7/14/2021	SeqNo: 2807609 U	nits: %Rec
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit H	HighLimit %RPD RPDLimit Qual
Surr: DNOP	4.2 5.000	83.6 70	130
Sample ID: MB-61275	SampType: MBLK	TestCode: EPA Method 80	15M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 61275	RunNo: 79790	
Prep Date: 7/13/2021	Analysis Date: 7/14/2021	SeqNo: 2807632 U	nits: %Rec
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit H	HighLimit %RPD RPDLimit Qual
Surr: DNOP	8.8 10.00	88.4 70	130

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix

Sample ID: LCS-61275

Prep Date: 7/13/2021

Client ID: LCSS

Analyte

Surr: DNOP

- 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

RunNo: 79790

%REC

80.9

SeqNo: 2807633

LowLimit

70

TestCode: EPA Method 8015M/D: Diesel Range Organics

Units: %Rec

130

%RPD

RPDLimit

Qual

HighLimit

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

SPK value SPK Ref Val

5.000

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Hall Environmental Analysis Laboratory, Inc.

WO#: 2107473

20-Jul-21

Client: GHD Midland **Project:** Gerard AW Battery

Sample ID: mb-61241 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range Client ID: PBS Batch ID: 61241 RunNo: 79767 Prep Date: 7/12/2021 Analysis Date: 7/13/2021 SeqNo: 2805977 Units: mg/Kg SPK value SPK Ref Val %REC %RPD **RPDLimit** Analyte Result PQL LowLimit HighLimit Qual Gasoline Range Organics (GRO) NΩ 5.0

Surr: BFB 960 1000 96.1 70 130

Sample ID: Ics-61241 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 61241 RunNo: 79767

Prep Date: 7/12/2021 Analysis Date: 7/13/2021 SeqNo: 2805978 Units: mg/Kg

HighLimit Analyte Result PQL SPK value SPK Ref Val %REC LowLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 5.0 25.00 O 89.0 78.6 131 Surr: BFB 1100 1000 105 70 130

Sample ID: mb-61244 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range Client ID: PBS Batch ID: 61244 RunNo: 79767 Prep Date: 7/12/2021 Analysis Date: 7/13/2021 SeqNo: 2806001 Units: mg/Kg SPK value SPK Ref Val %REC %RPD **RPDLimit** Analyte Result PQL LowLimit HighLimit Qual Gasoline Range Organics (GRO) ND 5.0 Surr: BFB 970 70 1000 97.3 130

Sample ID: Ics-61244 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range Client ID: LCSS Batch ID: 61244 RunNo: 79767 Prep Date: 7/12/2021 Analysis Date: 7/13/2021 SeqNo: 2806002 Units: mg/Kg Result SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** PQL LowLimit Qual Gasoline Range Organics (GRO) 25 5.0 25.00 98.7 78.6 131

Sample ID: 2107473-005ams SampType: MS TestCode: EPA Method 8015D: Gasoline Range Client ID: TP11-2 Batch ID: 61244 RunNo: 79767 Prep Date: 7/12/2021 Analysis Date: 7/13/2021 SeqNo: 2806004 Units: mg/Kg

Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 29 5.0 0 61.3 S 24.90 118 114 Surr: BFB 1100 996.0 112 70 130

TestCode: EPA Method 8015D: Gasoline Range Sample ID: 2107473-005amsd SampType: MSD

1000

Client ID: TP11-2 Batch ID: 61244 RunNo: 79767

1100

Prep Date: 7/12/2021 Units: mg/Kg Analysis Date: 7/13/2021 SeqNo: 2806005

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

Qualifiers:

Surr: BFB

- Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded Н
- Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix

Analyte detected in the associated Method Blank

113

70

130

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2107473**

20-Jul-21

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: 2107473-005amsd SampType: MSD TestCode: EPA Method 8015D: Gasoline Range

Client ID: **TP11-2** Batch ID: **61244** RunNo: **79767**

Prep Date: 7/12/2021 Analysis Date: 7/13/2021 SeqNo: 2806005 Units: mg/Kg

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	29	4.9	24.65	0	117	61.3	114	2.22	20	S
Surr: BFB	1100		986.2		108	70	130	0	0	

Qualifiers:

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

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2107473 20-Jul-21**

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: mb-61241	SampT	SampType: MBLK			tCode: El					
Client ID: PBS	Batcl	tch ID: 61241 RunNo: 79767								
Prep Date: 7/12/2021	Analysis [Date: 7/	13/2021	8	SeqNo: 2	806025	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		101	70	130			

Sample ID: LCS-61241	SampT	Type: LC	S	Tes	tCode: El	PA Method	d 8021B: Volatiles				
Client ID: LCSS	Batcl	Batch ID: 61241 RunNo: 79767									
Prep Date: 7/12/2021	Analysis D	Date: 7/	13/2021	8	806026	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.93	0.025	1.000	0	93.4	80	120				
Toluene	0.96	0.050	1.000	0	95.6	80	120				
Ethylbenzene	0.96	0.050	1.000	0	96.0	80	120				
Xylenes, Total	2.9	0.10	3.000	0	95.9	80	120				
Surr: 4-Bromofluorobenzene	1.0		1.000		101	70	130				

Sample ID: mb-61244	SampType: MBLK			Tes						
Client ID: PBS	Batch ID: 61244			RunNo: 79767						
Prep Date: 7/12/2021	Analysis Date: 7/13/2021		SeqNo: 2806049			Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		101	70	130			

Sample ID: LCS-61244	SampType: LCS			Tes						
Client ID: LCSS	Batch ID: 61244			RunNo: 79767						
Prep Date: 7/12/2021	Analysis Date: 7/13/2021			SeqNo: 2806050			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.025	1.000	0	98.2	80	120			
Toluene	1.0	0.050	1.000	0	100	80	120			
Ethylbenzene	0.99	0.050	1.000	0	99.4	80	120			
Xylenes, Total	3.0	0.10	3.000	0	100	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		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

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2107473**

20-Jul-21

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: 2107473-006ams	SampT	SampType: MS			TestCode: EPA Method 8021B: Volatiles					
Client ID: TP11-8	Batcl	Batch ID: 61244			RunNo: 79767					
Prep Date: 7/12/2021	Analysis D	Analysis Date: 7/13/2021			SeqNo: 2806053			Units: mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.024	0.9588	0	109	80	120			
Toluene	1.1	0.048	0.9588	0	112	80	120			
Ethylbenzene	1.1	0.048	0.9588	0	113	80	120			
Xylenes, Total	3.3	0.096	2.876	0	114	80	120			
Surr: 4-Bromofluorobenzene	1.0		0.9588		105	70	130			

Sample ID: 2107473-006amsd	SampType: MSD Batch ID: 61244			Tes						
Client ID: TP11-8				F	RunNo: 7 9					
Prep Date: 7/12/2021	Analysis D	ate: 7/	13/2021	S	SeqNo: 2	806054	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	0.9823	0	109	80	120	2.54	20	
Toluene	1.1	0.049	0.9823	0	112	80	120	2.26	20	
Ethylbenzene	1.1	0.049	0.9823	0	113	80	120	2.38	20	
Xylenes, Total	3.3	0.098	2.947	0	113	80	120	1.93	20	
Surr: 4-Bromofluorobenzene	1.0		0.9823		104	70	130	0	0	

Qualifiers:

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

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

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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Website: clients.hallenvironmental.com

Sample Log-In Check List

eu by	HALL
	ENVIRONMENTAL
	ANALYSIS
	LABORATORY

Client Name: **GHD Midland** Work Order Number: 2107473 RcptNo: 1 Received By: Cheyenne Cason 7/10/2021 8:00:00 AM Completed By: Cheyenne Cason 7/10/2021 9:46:27 AM Reviewed By: 7/12/21 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 V No NA 🗌 Were all samples received at a temperature of >0° C to 6.0°C NA 🗌 Sample(s) in proper container(s)? Yes V No 6. Sufficient sample volume for indicated test(s)? No | Yes V 7. Are samples (except VOA and ONG) properly preserved? Yes No 8. Was preservative added to bottles? No V Yes NA 🗌 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes No NA V 10. Were any sample containers received broken? Yes No V # of preserved bottles checked 11. Does paperwork match bottle labels? Yes 🗸 No L for pH: (Note discrepancies on chain of custody) (<2 or >12 unless noted) Adjusted? 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? Checked by: 2/10/4 Yes 🗸 No (If no, notify customer for authorization.) Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? Yes No 🗌 NA V Person Notified: Date: By Whom: Via: eMail Phone Fax In Person Regarding: Client Instructions: 16. Additional remarks: 17. Cooler Information Cooler No Temp °C Condition Seal Intact Seal No Seal Date Signed By 0.5 Good



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

March 14, 2022

Tom Larson GHD Midland 2135 S Loop 250 W Midland, TX 79703

TEL: (432) 686-0086

FAX

RE: Gerald AW Battery OrderNo.: 2203300

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 3 sample(s) on 3/4/2022 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

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 3/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-1

Project: Gerald AW Battery
 Collection Date: 3/2/2022 11:50:00 AM

 Lab ID: 2203300-001
 Matrix: SOIL
 Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	260	60	mg/Kg	20	3/10/2022 7:21:36 PM	66099
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: TOM
Diesel Range Organics (DRO)	170	9.4	mg/Kg	1	3/9/2022 6:22:41 PM	66000
Motor Oil Range Organics (MRO)	300	47	mg/Kg	1	3/9/2022 6:22:41 PM	66000
Surr: DNOP	107	51.1-141	%Rec	1	3/9/2022 6:22:41 PM	66000
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	3/10/2022 3:37:52 AM	65984
Surr: BFB	107	70-130	%Rec	1	3/10/2022 3:37:52 AM	65984
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	3/10/2022 3:37:52 AM	65984
Toluene	ND	0.048	mg/Kg	1	3/10/2022 3:37:52 AM	65984
Ethylbenzene	ND	0.048	mg/Kg	1	3/10/2022 3:37:52 AM	65984
Xylenes, Total	ND	0.097	mg/Kg	1	3/10/2022 3:37:52 AM	65984
Surr: 4-Bromofluorobenzene	96.9	70-130	%Rec	1	3/10/2022 3:37:52 AM	65984

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

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Date Reported: 3/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-2

 Project:
 Gerald AW Battery
 Collection Date: 3/2/2022 11:55:00 AM

 Lab ID:
 2203300-002
 Matrix: SOIL
 Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	110	60	mg/Kg	20	3/10/2022 7:58:50 PM	66099
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	TOM
Diesel Range Organics (DRO)	120	9.5	mg/Kg	1	3/9/2022 6:46:53 PM	66000
Motor Oil Range Organics (MRO)	230	47	mg/Kg	1	3/9/2022 6:46:53 PM	66000
Surr: DNOP	107	51.1-141	%Rec	1	3/9/2022 6:46:53 PM	66000
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	3/10/2022 4:01:24 AM	65984
Surr: BFB	106	70-130	%Rec	1	3/10/2022 4:01:24 AM	65984
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.025	mg/Kg	1	3/10/2022 4:01:24 AM	65984
Toluene	ND	0.050	mg/Kg	1	3/10/2022 4:01:24 AM	65984
Ethylbenzene	ND	0.050	mg/Kg	1	3/10/2022 4:01:24 AM	65984
Xylenes, Total	ND	0.099	mg/Kg	1	3/10/2022 4:01:24 AM	65984
Surr: 4-Bromofluorobenzene	96.0	70-130	%Rec	1	3/10/2022 4:01:24 AM	65984

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

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Date Reported: 3/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-3

 Project:
 Gerald AW Battery
 Collection Date: 3/2/2022 12:00:00 PM

 Lab ID:
 2203300-003
 Matrix: SOIL
 Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	370	60	mg/Kg	20	3/10/2022 8:36:03 PM	66099
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: TOM
Diesel Range Organics (DRO)	13	9.5	mg/Kg	1	3/10/2022 1:59:45 AM	65995
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	3/10/2022 1:59:45 AM	65995
Surr: DNOP	89.0	51.1-141	%Rec	1	3/10/2022 1:59:45 AM	65995
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	3/9/2022 10:33:00 AM	65989
Surr: BFB	102	70-130	%Rec	1	3/9/2022 10:33:00 AM	65989
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.025	mg/Kg	1	3/9/2022 10:33:00 AM	65989
Toluene	ND	0.049	mg/Kg	1	3/9/2022 10:33:00 AM	65989
Ethylbenzene	ND	0.049	mg/Kg	1	3/9/2022 10:33:00 AM	65989
Xylenes, Total	ND	0.098	mg/Kg	1	3/9/2022 10:33:00 AM	65989
Surr: 4-Bromofluorobenzene	89.3	70-130	%Rec	1	3/9/2022 10:33:00 AM	65989

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2203300**

14-Mar-22

Client: GHD Midland
Project: Gerald AW Battery

Sample ID: MB-66099 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 66099 RunNo: 86410

Prep Date: 3/10/2022 Analysis Date: 3/10/2022 SeqNo: 3048309 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-66099 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 66099 RunNo: 86410

Prep Date: 3/10/2022 Analysis Date: 3/10/2022 SeqNo: 3048310 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 94.4 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 interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2203300**

14-Mar-22

Client: GHD Midland
Project: Gerald AW Battery

Sample ID: 2203300-003AMS	SampT	SampType: MS			Code: El	ode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: SW-3	Batch	ID: 65 9	995	F	tunNo: 80	6343					
Prep Date: 3/7/2022	Analysis D	ate: 3/	9/2022	S	eqNo: 30	045163	Units: mg/K	ίg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	46	9.9	49.46	12.81	66.6	36.1	154				
Surr: DNOP	3.1		4.946		63.1	51.1	141				
Sample ID: 2203300-003AMSI) SamnT	vne MS	ח	Tes	Code: FI	PA Method	8015M/D: Did	esel Range	Organics		

Sample ID. 2203300-003AWIS	Sallip I	ype. IVI	שפ	163	icode. Er	A Welliou	OU I SIVI/D. DIE	sei Kange	Organics		
Client ID: SW-3	Batch	ID: 65	995	F	RunNo: 80	6343					
Prep Date: 3/7/2022	Analysis D	ate: 3/	9/2022	S	SeqNo: 30	045164	Units: mg/K	g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	44	10	49.95	12.81	63.3	36.1	154	2.96	33.9		
Surr: DNOP	1.7		4.995		33.2	51.1	141	0	0	S	

Sample ID: LCS-65995	SampT	ype: LC	S	Test	TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch	Batch ID: 65995			tunNo: 8	6343						
Prep Date: 3/7/2022	Analysis Date: 3/8/2022			SeqNo: 3045214			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Diesel Range Organics (DRO)	48	10	50.00	0	96.9	68.9	135					
Surr: DNOP	5.1		5.000		103	51.1	141					

Sample ID: LCS-66000	SampT	ype: LC	S	Tes	tCode: E l	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batch	n ID: 66 0	000	F	RunNo: 8	6343				
Prep Date: 3/7/2022	Analysis D	ate: 3/	8/2022	S	SeqNo: 3	045217	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	95.3	68.9	135			
Surr: DNOP	4.9		5.000		98.7	51.1	141			

Sample ID: MB-65995 SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Client ID: PBS Batch ID: 65995			F	RunNo: 86343						
Prep Date: 3/7/2022	Analysis D	ate: 3/	8/2022	8	SeqNo: 3	045220	Units: mg/K	(g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	ND	10									
Motor Oil Range Organics (MRO)	ND	50									
Surr: DNOP	10		10.00		102	51.1	141				

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2203300**

14-Mar-22

Client: GHD Midland
Project: Gerald AW Battery

Sample ID: MB-66000 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS Batch ID: 66000 RunNo: 86343

Prep Date: 3/7/2022 Analysis Date: 3/8/2022 SeqNo: 3045224 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 10.00 105 51.1 141

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2203300**

14-Mar-22

Client:	GHD Midland
Project:	Gerald AW Battery

Project: Geraid A	w Battery									
Sample ID: mb-65984	SampTy	/pe: ME	BLK	Test	tCode: El	PA Method	8015D: Gaso	line Rang	е	
Client ID: PBS	Batch	ID: 65 9	984	R	RunNo: 80	6367				
Prep Date: 3/7/2022	Analysis Da	ate: 3/	9/2022	S	SeqNo: 30	046055	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		110	70	130			
Sample ID: Ics-65984	SampTy	/pe: LC	S	Test	tCode: El	PA Method	8015D: Gaso	line Rang	е	
Client ID: LCSS	Batch	ID: 65 9	984	F	RunNo: 80	6367				
Prep Date: 3/7/2022	Analysis Da	ate: 3/	9/2022	S	SeqNo: 30	046056	Units: mg/K	(g		
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	1200		1000		124	70	130			
Sample ID: Ics-65989	SampTy	/pe: LC	s	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	е	
Client ID: LCSS	Batch	ID: 65 9	989	R	RunNo: 80	6374				
Prep Date: 3/7/2022	Analysis Da	ate: 3/	9/2022	S	SeqNo: 30	046245	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	107	78.6	131			
Surr: BFB	1200		1000		116	70	130			
Sample ID: mb-65989	SampTy	/pe: ME	BLK	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	е	
Client ID: PBS	Batch	ID: 65 9	989	F	RunNo: 80	6374				
Prep Date: 3/7/2022	Analysis Da	ate: 3/	9/2022	S	SeqNo: 30	046246	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		107	70	130			
Sample ID: 2203300-003ams	SampTy	/pe: MS	3	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	е	
Client ID: SW-3	Batch	ID: 65 9	989	R	RunNo: 80	6374				
Prep Date: 3/7/2022	Analysis Da	ate: 3/ 9	9/2022	S	SeqNo: 30	046248	Units: mg/K	(g		
Analyte	Result	PQL		SPK Ref Val	%REC		HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	4.9	24.41	0	105	70	130			
Surr: BFB	1200		976.6		125	70	130			
Sample ID: 2203300-003amsd	I SampTy	/pe: MS	SD	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	е	
Client ID: SW-3	Batch	ID: 65 9	989	R	RunNo: 80	6374				
Prep Date: 3/7/2022	Analysis Da	ate: 3/9	9/2022	S	SeqNo: 30	046249	Units: mg/K	(g		
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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2203300**

Qual

14-Mar-22

Client: GHD Midland
Project: Gerald AW Battery

Sample ID: 2203300-003amsd SampType: MSD TestCode: EPA Method 8015D: Gasoline Range

Client ID: **SW-3** Batch ID: **65989** RunNo: **86374**

Prep Date: 3/7/2022 Analysis Date: 3/9/2022 SeqNo: 3046249 Units: mg/Kg

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	
Gasoline Range Organics (GRO)	25	5.0	24.88	0	102	70	130	0.827	20	
Surr: BFB	1200		995.0		125	70	130	0	0	

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2203300**

14-Mar-22

Client: GHD Midland
Project: Gerald AW Battery

Sample ID: mb-65984	SampT	SampType: MBLK			tCode: E l					
Client ID: PBS	Batcl	h ID: 65 9	984	F	RunNo: 86367					
Prep Date: 3/7/2022	Analysis D	Date: 3/	9/2022	8	SeqNo: 3046101 Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		101	70	130			

Sample ID: LCS-65984	Sample ID: LCS-65984 SampType: LCS						TestCode: EPA Method 8021B: Volatiles									
Client ID: LCSS	RunNo: 86367															
Prep Date: 3/7/2022	ep Date: 3/7/2022 Analysis Date: 3/9/2022					SeqNo: 3046102 Units: mg/Kg										
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual						
Benzene	0.90	0.025	1.000	0	89.6	80	120									
Toluene	0.94	0.050	1.000	0	94.3	80	120									
Ethylbenzene	0.96	0.050	1.000	0	96.0	80	120									
Xylenes, Total	2.9	0.10	3.000	0	96.3	80	120									
Surr: 4-Bromofluorobenzene	1.0		1.000		104	70	130									

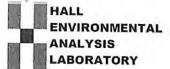
Sample ID: Ics-65989	S	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batcl	n ID: 65 9	989	F	RunNo: 80	6374				
Prep Date: 3/7/2022	rep Date: 3/7/2022 Analysis Date: 3/9/2022						Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.025	1.000	0	92.4	80	120			
Toluene	0.94	0.050	1.000	0	93.9	80	120			
Ethylbenzene	0.95	0.050	1.000	0	94.5	80	120			
Xylenes, Total	2.8	0.10	3.000	0	94.0	80	120			
Surr: 4-Bromofluorobenzene	0.89		1.000		88.9	70	130			

Sample ID: mb-65989	SampT	уре: МЕ	BLK	Test							
Client ID: PBS	Batch	n ID: 65 9	989	R	RunNo: 8	6374					
Prep Date: 3/7/2022	Analysis D	ate: 3/	9/2022	S	SeqNo: 3	046299	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	ND	0.025									
Toluene	ND	0.050									
Ethylbenzene	ND	0.050									
Xylenes, Total	ND	0.10									
Surr: 4-Bromofluorobenzene	0.90		1.000		90.2	70	130				

Qualifiers:

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

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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

Sample Log-In Check List

Client Name:	GHD Midla	and	Work	Order Nun	nber: 220	3300			RcptNo: 1
Received By:	Cheyenn	e Cason	3/4/202	2 8:00:00 /	AM		Chem	1	
Completed By	Sean Livi	ingston	3/4/202	2 9:25:04 /	AM		_	,	, sol
Reviewed By:							بر	-6	est of
Chain of Cu	<u>ıstody</u>								
1. Is Chain of	Custody comp	olete?			Yes	~	No		Not Present
2. How was the	e sample deliv	vered?			Cou	rier			
Log In									
Was an atte	empt made to	cool the samp	oles?		Yes	V	No		NA 🗆
4. Were all san	mples received	d at a tempera	ature of >0° C t	o 6.0°C	Yes	V	No		NA 🗆
5. Sample(s) ir	n proper conta	iner(s)?			Yes	V	No		
6. Sufficient sai	mple volume f	or indicated t	est(s)?		Yes	V	No		
7. Are samples	(except VOA	and ONG) pr	operly preserve	d?	Yes	~	No		
B. Was preserv					Yes		No	V	NA 🗆
9. Received at I	least 1 vial wit	h headspace	<1/4" for AQ V	OA?	Yes		No		NA 🗹
0. Were any sa	ample containe	ers received b	oroken?		Yes		No	V	# of preserved
1. Does paperw (Note discrep	vork match bot pancies on cha)		Yes	V	No		bottles checked for pH: (<2 or >12 unless noted
2. Are matrices					Yes	~	No		Adjusted?
3, Is it clear wha	at analyses we	ere requested	1?		Yes	~	No		1101 = 1
4. Were all hold (If no, notify of	ling times able				Yes	V	No		Checked by: W/U S/U
pecial Hand	lling (if app	olicable)							
5. Was client n	otified of all di	screpancies v	with this order?		Yes		No		NA 🗸
Person	Notified:			Date					
By Wh	iom:			Via:	eMa	ail 🔲	Phone [Fax	☐ In Person
Regard									
Client I	Instructions:								
6. Additional re	emarks:								
7. Cooler Info									
Cooler No	The second second second	Condition	Seal Intact	Seal No	Seal Da	ate	Signed E	Зу	
1 2	4.9	Good							
2	1.1	Good							

HALL ENVIRONMENTAL	>	environmental.com	4901 Hawkins NE - Albuquerque, NM 87109		Analysis Request	P((S 8.8	oO [¢] "	082 PD 08	(A)	GER d So d So d So d So	etlici etho 83° Met AC (AC	1PH:801 3081 Pe 3081 Pe 31, F, Br 31, F, Br 320 (VC 320 (VC	8 8 B B B B B B B B B B B B B B B B B B	2	\ \times \					Remarks: Please email: Chase_Settle@eogresources.com;	Tom.Larson@ghd.com; Zach.Comino@ghd.com;	neath. boyd@gna.com Along With Becky Haskell listed above.	
						(120)8) s	WB.	II /	35	TM	\X3TEX \	*		2				-				-
Time:	ard Rush 5 JUV	1 A.1. R. stor.	7 8		11228976	anager:	skell	uc.	Heath Bovd	X Yes □ No	2 6.1-0	(including CF): [3	Preservative HEAL No.	12/4	788	x - x					Via: Date Time	Japa 1300	_	
Turn-Around	Project Name:	1	Cleran	Project #:	2211	Project Manager:	Becky Haskell	Tom Larson	Sampler:	On Ice:	# of Coolers:	Cooler Ten	Container Type and #	402. Jul	-	2					Received by:	WILL	Received by:	
Chain-of-Custody Record				2135 S. Loop 250 W. Midland, TX 79703	(432) 686-0086	Becky. Haskell@ghd.com		☐ Level 4 (Full Validation)	☐ Az Compliance	□ Other			Matrix Sample Name	S 5W-1	2 - MS	× 5 × 3					Relinquished by:		Relinquished by:	
Shain-of		Mailing Address:		. Loop 250 W		email or Fax#: Bec	QA/QC Package:	idard	-	7.7	I II		Time Mat	1150	1155	1200					Time: Reling		lime: Keling	, ,
Client		Mailing	9	2135 S	Phone #:	email o	aAvac	□ Standard	Accreditation:	□ NELAC			Date	3/2/22		- 1					Date: 3/2/27		Care:	4 600



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

March 09, 2022

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

FAX

RE: Gerard AW Battery OrderNo.: 2203349

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 2 sample(s) on 3/5/2022 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

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 3/9/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP1-13'

Project: Gerard AW Battery
 Collection Date: 3/3/2022 2:30:00 PM

 Lab ID: 2203349-001
 Matrix: MEOH (SOIL)
 Received Date: 3/5/2022 8:55:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	310	59	mg/Kg	20	3/7/2022 10:25:21 AM	65979
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	SB
Diesel Range Organics (DRO)	29	9.6	mg/Kg	1	3/7/2022 11:47:04 AM	65977
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	3/7/2022 11:47:04 AM	65977
Surr: DNOP	94.6	51.1-141	%Rec	1	3/7/2022 11:47:04 AM	65977
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	17	mg/Kg	5	3/7/2022 2:57:15 PM	A86283
Surr: BFB	119	70-130	%Rec	5	3/7/2022 2:57:15 PM	A86283
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.087	mg/Kg	5	3/7/2022 2:57:15 PM	C86283
Toluene	ND	0.17	mg/Kg	5	3/7/2022 2:57:15 PM	C86283
Ethylbenzene	ND	0.17	mg/Kg	5	3/7/2022 2:57:15 PM	C86283
Xylenes, Total	ND	0.35	mg/Kg	5	3/7/2022 2:57:15 PM	C86283
Surr: 4-Bromofluorobenzene	105	70-130	%Rec	5	3/7/2022 2:57:15 PM	C86283

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

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Date Reported: 3/9/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP1-14'

Project: Gerard AW Battery
 Collection Date: 3/3/2022 2:35:00 PM

 Lab ID: 2203349-002
 Matrix: MEOH (SOIL)
 Received Date: 3/5/2022 8:55:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JMT
Chloride	1300	60	mg/Kg	20	3/7/2022 10:37:43 AM	65979
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	t: SB
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	3/7/2022 11:57:43 AM	65977
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	3/7/2022 11:57:43 AM	65977
Surr: DNOP	89.1	51.1-141	%Rec	1	3/7/2022 11:57:43 AM	65977
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: NSB
Gasoline Range Organics (GRO)	ND	2.9	mg/Kg	1	3/7/2022 3:20:51 PM	A86283
Surr: BFB	112	70-130	%Rec	1	3/7/2022 3:20:51 PM	A86283
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.014	mg/Kg	1	3/7/2022 3:20:51 PM	C86283
Toluene	ND	0.029	mg/Kg	1	3/7/2022 3:20:51 PM	C86283
Ethylbenzene	ND	0.029	mg/Kg	1	3/7/2022 3:20:51 PM	C86283
Xylenes, Total	ND	0.057	mg/Kg	1	3/7/2022 3:20:51 PM	C86283
Surr: 4-Bromofluorobenzene	103	70-130	%Rec	1	3/7/2022 3:20:51 PM	C86283

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

Page 2 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#: **2203349** *09-Mar-22*

GHD Midland

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: MB-65979 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 65979 RunNo: 86285

Prep Date: 3/7/2022 Analysis Date: 3/7/2022 SeqNo: 3043080 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-65979 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 65979 RunNo: 86285

Prep Date: 3/7/2022 Analysis Date: 3/7/2022 SeqNo: 3043081 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 92.9 90 110

Qualifiers:

Value exceeds Maximum Contaminant Level.

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

Page 3 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#: **2203349**

09-Mar-22

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: LCS-65977 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 65977 RunNo: 86279 Prep Date: 3/7/2022 Analysis Date: 3/7/2022 SeqNo: 3042148 Units: mg/Kg PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual Analyte Result LowLimit Diesel Range Organics (DRO) 10 0 48 50.00 95.8 68.9 135 Surr: DNOP 4.2 5.000 83.7 51.1 141

Sample ID: MB-65977 TestCode: EPA Method 8015M/D: Diesel Range Organics SampType: MBLK Client ID: PBS Batch ID: 65977 RunNo: 86279 Prep Date: 3/7/2022 Analysis Date: 3/7/2022 SeqNo: 3042150 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) ND 10

2.000 tan.go 0.ga00 (2.10)		. •				
Motor Oil Range Organics (MRO)	ND	50				
Surr: DNOP	8.1		10.00	81.1	51.1	141

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2203349** *09-Mar-22*

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: mb SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: A86283 RunNo: 86283

Prep Date: Analysis Date: 3/7/2022 SeqNo: 3042374 Units: mg/Kg

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

Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 1100 1000 110 70 130

Sample ID: 2.5ug gro Ics SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: A86283 RunNo: 86283

Prep Date: Analysis Date: 3/7/2022 SeqNo: 3042375 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 21 5.0 25.00 0 85.8 78.6 131 Surr: BFB 1200 1000 122 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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2203349**

09-Mar-22

Client: GHD Midland
Project: Gerard AW Battery

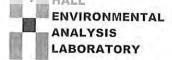
Sample ID: mb SampType: MBLK TestCode: EPA Method 8021B: Volatiles Client ID: PBS Batch ID: C86283 RunNo: 86283 Prep Date: Analysis Date: 3/7/2022 SeqNo: 3042416 Units: mg/Kg Analyte PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Result Benzene ND 0.025 Toluene ND 0.050 Ethylbenzene ND 0.050 Xylenes, Total ND 0.10 1.000 102 70 130 Surr: 4-Bromofluorobenzene 1.0

Sample ID: 100ng btex Ics	Samp	Гуре: LC	S	Tes	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batc	h ID: C8	6283	F	RunNo: 8	6283							
Prep Date:	Analysis [Date: 3/	7/2022	8	SeqNo: 3	042417	Units: mg/K	(g					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Benzene	0.94	0.025	1.000	0	93.7	80	120						
Toluene	0.99	0.050	1.000	0	98.6	80	120						
Ethylbenzene	0.99	0.050	1.000	0	99.0	80	120						
Xylenes, Total	3.0	0.10	3.000	0	98.5	80	120						
Surr: 4-Bromofluorobenzene	1.1		1.000		105	70	130						

Qualifiers:

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

Page 6 of 6



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	e: GHD Mid	land	Work	Order Num	ber: 220	3349			RcptNo: 1	
Received B	y: Cheyenr	ne Cason	3/5/202	22 8:55:00 A	M		Charle	1		
Completed E		ne Cason		22 9:14:39 A			Clark	1		
Reviewed B		e _	3/5/2		IVI		Charle			
nationed B	, – – ,									
Chain of C	Custody									
	of Custody com	plete?			Yes	~	No		Not Present	
2. How was	the sample del	ivered?			Cou					
Log In										
	ttempt made to	cool the sam	ples?		Yes	~	No		NA 🗆	
			, const				1,13		(V) =	
4. Were all s	amples receive	d at a temper	ature of >0° C	to 6.0°C	Yes	V	No		NA 🔲	
5. Sample(s)) in proper conta	ainer(s)?			Vas	~	No			
	, in proper cont	unici(s):			Yes	•	No			
6. Sufficient s	sample volume	for indicated	test(s)?		Yes	~	No			
7. Are sample	es (except VOA	and ONG) p	roperly preserve	∍d?	Yes	~	No			
8, Was prese	ervative added t	o bottles?			Yes		No	V	NA 🗀	
9. Received a	at least 1 vial w	ith headspace	e <1/4" for AQ V	OA?	Yes	П	No		NA 🗸	
	sample contain				Yes		No		W. E	
					100			-	# of preserved	
	rwork match bo				Yes	~	No		bottles checked for pH:	
	epancies on ch								(<2 or =12 unl	less noted)
	es correctly ide					V	No		Adjusted2	
	vhat analyses w		d?			~	37.1		Checked by: KPA	3/5/10
	olding times abl y customer for)		Yes	V	No		Checked by: 1/1/00	9914
Special Har	ndling (if ap	plicable)								
15. Was client	t notified of all c	liscrepancies	with this order?		Yes		No		NA 🗸	
Pers	on Notified:			Date:						
By V	Vhom:		_	Via:	□ eMa	ail 🖂	Phone	Fax	In Person	
Rega	arding:						200	J. 100.		
Clier	nt Instructions									
16. Additional	remarks:									
17. Cooler In	formation									
Cooler		Condition	Seal Intact	Seal No	Seal Da	ate	Signed B	By		
1	1.4	Good	Not Present			TAN.				
2	0.7	Good	Not Present							
3	4.0	Good	Not Present							

Page 1 of 1



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

March 21, 2022

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

FAX:

RE: Gerard AW Battery OrderNo.: 2203511

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 4 sample(s) on 3/9/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

andel

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 3/21/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-1

 Project:
 Gerard AW Battery
 Collection Date: 3/7/2022 2:10:00 PM

 Lab ID:
 2203511-001
 Matrix: SOIL
 Received Date: 3/9/2022 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	LRN
Chloride	1500	60	mg/Kg	20	3/15/2022 10:31:55 PM	66186
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	JME
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	3/11/2022 6:38:37 PM	66080
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	3/11/2022 6:38:37 PM	66080
Surr: DNOP	81.1	51.1-141	%Rec	1	3/11/2022 6:38:37 PM	66080
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	3/11/2022 6:10:00 PM	66069
Surr: BFB	107	70-130	%Rec	1	3/11/2022 6:10:00 PM	66069
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Benzene	ND	0.024	mg/Kg	1	3/11/2022 6:10:00 PM	66069
Toluene	ND	0.047	mg/Kg	1	3/11/2022 6:10:00 PM	66069
Ethylbenzene	ND	0.047	mg/Kg	1	3/11/2022 6:10:00 PM	66069
Xylenes, Total	ND	0.095	mg/Kg	1	3/11/2022 6:10:00 PM	66069
Surr: 4-Bromofluorobenzene	91.0	70-130	%Rec	1	3/11/2022 6:10:00 PM	66069

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

Page 1 of 8

Date Reported: 3/21/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-2

 Project:
 Gerard AW Battery
 Collection Date: 3/7/2022 2:15:00 PM

 Lab ID:
 2203511-002
 Matrix: SOIL
 Received Date: 3/9/2022 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	MRA
Chloride	2400	150	mg/Kg	50	3/16/2022 4:33:02 PM	66186
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	JME
Diesel Range Organics (DRO)	29	9.5	mg/Kg	1	3/11/2022 6:49:04 PM	66080
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	3/11/2022 6:49:04 PM	66080
Surr: DNOP	92.4	51.1-141	%Rec	1	3/11/2022 6:49:04 PM	66080
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	3/11/2022 6:29:00 PM	66069
Surr: BFB	107	70-130	%Rec	1	3/11/2022 6:29:00 PM	66069
EPA METHOD 8021B: VOLATILES					Analyst:	RAA
Benzene	ND	0.024	mg/Kg	1	3/11/2022 6:29:00 PM	66069
Toluene	ND	0.048	mg/Kg	1	3/11/2022 6:29:00 PM	66069
Ethylbenzene	ND	0.048	mg/Kg	1	3/11/2022 6:29:00 PM	66069
Xylenes, Total	ND	0.096	mg/Kg	1	3/11/2022 6:29:00 PM	66069
Surr: 4-Bromofluorobenzene	89.4	70-130	%Rec	1	3/11/2022 6:29:00 PM	66069

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

Page 2 of 8

Date Reported: 3/21/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-3

 Project:
 Gerard AW Battery
 Collection Date: 3/7/2022 2:20:00 PM

 Lab ID:
 2203511-003
 Matrix: SOIL
 Received Date: 3/9/2022 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	LRN
Chloride	1200	60	mg/Kg	20	3/15/2022 11:21:34 PM	66186
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	JME
Diesel Range Organics (DRO)	25	9.8	mg/Kg	1	3/11/2022 7:10:02 PM	66080
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	3/11/2022 7:10:02 PM	66080
Surr: DNOP	91.7	51.1-141	%Rec	1	3/11/2022 7:10:02 PM	66080
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	3/11/2022 6:49:00 PM	66069
Surr: BFB	101	70-130	%Rec	1	3/11/2022 6:49:00 PM	66069
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Benzene	ND	0.024	mg/Kg	1	3/11/2022 6:49:00 PM	66069
Toluene	ND	0.047	mg/Kg	1	3/11/2022 6:49:00 PM	66069
Ethylbenzene	ND	0.047	mg/Kg	1	3/11/2022 6:49:00 PM	66069
Xylenes, Total	ND	0.095	mg/Kg	1	3/11/2022 6:49:00 PM	66069
Surr: 4-Bromofluorobenzene	88.5	70-130	%Rec	1	3/11/2022 6:49:00 PM	66069

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

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Date Reported: 3/21/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-4

 Project:
 Gerard AW Battery
 Collection Date: 3/7/2022 2:25:00 PM

 Lab ID:
 2203511-004
 Matrix: SOIL
 Received Date: 3/9/2022 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	LRN
Chloride	930	60	mg/Kg	20	3/15/2022 11:33:58 PM	66186
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	JME
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	3/11/2022 7:20:32 PM	66080
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	3/11/2022 7:20:32 PM	66080
Surr: DNOP	86.2	51.1-141	%Rec	1	3/11/2022 7:20:32 PM	66080
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	3/11/2022 7:09:00 PM	66069
Surr: BFB	105	70-130	%Rec	1	3/11/2022 7:09:00 PM	66069
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Benzene	ND	0.024	mg/Kg	1	3/11/2022 7:09:00 PM	66069
Toluene	ND	0.048	mg/Kg	1	3/11/2022 7:09:00 PM	66069
Ethylbenzene	ND	0.048	mg/Kg	1	3/11/2022 7:09:00 PM	66069
Xylenes, Total	ND	0.095	mg/Kg	1	3/11/2022 7:09:00 PM	66069
Surr: 4-Bromofluorobenzene	89.9	70-130	%Rec	1	3/11/2022 7:09:00 PM	66069

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
- QL 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

Page 4 of 8

Hall Environmental Analysis Laboratory, Inc.

WO#: 2203511

21-Mar-22

Client: GHD Midland **Project:** Gerard AW Battery

Sample ID: MB-66186 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 66186 RunNo: 86503

Prep Date: 3/15/2022 Analysis Date: 3/15/2022 SeqNo: 3052498 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-66186 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 66186 RunNo: 86503

1.5

Analysis Date: 3/15/2022 Prep Date: SeqNo: 3052499 Units: mg/Kg 3/15/2022

15.00

SPK value SPK Ref Val %REC LowLimit %RPD **RPDLimit** Result PQL HighLimit Qual Analyte 0

94.4

90

Qualifiers:

Chloride

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix interference

Analyte detected in the associated Method Blank

Analyte detected below quantitation limits

Sample pH Not In Range

Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

4.9

WO#: **2203511**

21-Mar-22

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: LCS-66078 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 66078 RunNo: 86412 Prep Date: 3/10/2022 Analysis Date: 3/11/2022 SeqNo: 3048356 Units: %Rec Analyte Result SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual

Surr: DNOP 5.0 5.000 101 51.1 141

5.000

TestCode: EPA Method 8015M/D: Diesel Range Organics Sample ID: MB-66080 SampType: MBLK Client ID: PBS Batch ID: 66080 RunNo: 86415 Prep Date: Analysis Date: 3/11/2022 SeqNo: 3048561 3/10/2022 Units: mg/Kg %RPD **RPDLimit** Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit Qual Diesel Range Organics (DRO) ND 10 ND Motor Oil Range Organics (MRO) 50 Surr: DNOP 10 10.00 100 51.1 141

Sample ID: LCS-66080 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 66080 RunNo: 86415 Analysis Date: 3/11/2022 Prep Date: 3/10/2022 SeqNo: 3048563 Units: mg/Kg Result SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Analyte Diesel Range Organics (DRO) 44 10 0 87.5 68.9 50.00 135

98.7

51.1

141

Qualifiers:

Surr: DNOP

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

Page 6 of 8

Hall Environmental Analysis Laboratory, Inc.

WO#: **2203511**

21-Mar-22

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: Ics-66069	SampT	ype: LC	s	TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch	ID: 660	069	F	RunNo: 86409					
Prep Date: 3/9/2022	Analysis D	ate: 3/	11/2022 SeqNo: 3048222			048222	Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	30	5.0	25.00	0	118	78.6	131			
Surr: BFB	2300		1000		229	70	130			S

Sample ID: mb-66069	SampT	SampType: MBLK TestCode: EPA Me			PA Method	od 8015D: Gasoline Range						
Client ID: PBS	Batch	n ID: 66 0	069	RunNo: 86409								
Prep Date: 3/9/2022	Analysis D	ate: 3/	11/2022	SeqNo: 3048223			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Gasoline Range Organics (GRO)	ND	5.0										
Surr: BFB	1000		1000		102	70	130					

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- 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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2203511 21-Mar-22**

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: Ics-66069	SampT	SampType: LCS Test			tCode: El	ode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batcl	n ID: 660	069	RunNo: 86409								
Prep Date: 3/9/2022	Analysis D	ate: 3/	11/2022	SeqNo: 3048229			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	0.85	0.025	1.000	0	85.1	80	120					
Toluene	0.87	0.050	1.000	0	87.2	80	120					
Ethylbenzene	0.88	0.050	1.000	0	88.0	80	120					
Xylenes, Total	2.6	0.10	3.000	0	87.9	80	120					
Surr: 4-Bromofluorobenzene	0.90		1.000		89.8	70	130					

Sample ID: mb-66069	Samp1	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volat	8021B: Volatiles					
Client ID: PBS	Batcl	h ID: 66	069	F	RunNo: 80	6409							
Prep Date: 3/9/2022	Analysis D	Date: 3/	11/2022	SeqNo: 3048230			Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Benzene	ND	0.025											
Toluene	ND	0.050											
Ethylbenzene	ND	0.050											
Xylenes, Total	ND	0.10											
Surr: 4-Bromofluorobenzene	0.89		1.000		88.9	70	130						

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- 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

Page 8 of 8



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: 2203511 RcptNo: 1 Received By: Sean Livingston 3/9/2022 8:00:00 AM Completed By: Sean Livingston 3/9/2022 9:17:25 AM Reviewed By: Chu 3/9/2-2 Chain of Custody 1. Is Chain of Custody complete? Yes V No L Not Present 2. How was the sample delivered? Courier Log In 3. Was an attempt made to cool the samples? No 🗌 NA 🗌 Yes V No 🗌 4. Were all samples received at a temperature of >0° C to 6.0°C Yes V NA 🗌 No 🗌 Sample(s) in proper container(s)? Yes 🗸 6. Sufficient sample volume for indicated test(s)? No 🗌 Yes V 7. Are samples (except VOA and ONG) properly preserved? Yes 🗸 No 🗌 8. Was preservative added to bottles? No V NA 🗌 Yes 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes No 🗌 NA V 10. Were any sample containers received broken? Yes No V # of preserved bottles checked 11. Does paperwork match bottle labels? Yes V No 🗌 for pH: (Note discrepancies on chain of custody) (<2 or >12 unless noted) Adjusted? 12, Are matrices correctly identified on Chain of Custody? Yes V No 🗌 No 🗌 13. Is it clear what analyses were requested? Yes V Checked by: 713/9/22 14. Were all holding times able to be met? No 🗌 Yes 🗸 (If no, notify customer for authorization.) Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? Yes [No 🗌 NA V Person Notified: Date: By Whom: Via: eMail Phone Fax In Person Regarding: Client Instructions: 16. Additional remarks: 17. Cooler Information Temp °C Condition Seal Intact Seal No. Seal Date Signed By 1 0.5 Good 2 2.9 Good



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

March 21, 2022

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

FAX:

RE: Gerard AW Battery OrderNo.: 2203567

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 2 sample(s) on 3/10/2022 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

and st

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 3/21/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-5

 Project:
 Gerard AW Battery
 Collection Date: 3/8/2022 12:30:00 PM

 Lab ID:
 2203567-001
 Matrix: SOIL
 Received Date: 3/10/2022 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	LRN
Chloride	920	60	mg/Kg	20	3/15/2022 11:46:22 PM	66186
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	JME
Diesel Range Organics (DRO)	9.7	9.3	mg/Kg	1	3/14/2022 6:13:30 PM	66116
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	3/14/2022 6:13:30 PM	66116
Surr: DNOP	82.0	51.1-141	%Rec	1	3/14/2022 6:13:30 PM	66116
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	3/13/2022 8:14:00 AM	66096
Surr: BFB	101	70-130	%Rec	1	3/13/2022 8:14:00 AM	66096
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Benzene	ND	0.024	mg/Kg	1	3/13/2022 8:14:00 AM	66096
Toluene	ND	0.048	mg/Kg	1	3/13/2022 8:14:00 AM	66096
Ethylbenzene	ND	0.048	mg/Kg	1	3/13/2022 8:14:00 AM	66096
Xylenes, Total	ND	0.096	mg/Kg	1	3/13/2022 8:14:00 AM	66096
Surr: 4-Bromofluorobenzene	87.8	70-130	%Rec	1	3/13/2022 8:14:00 AM	66096

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

Page 1 of 6

Date Reported: 3/21/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-6

 Project:
 Gerard AW Battery
 Collection Date: 3/8/2022 12:35:00 PM

 Lab ID:
 2203567-002
 Matrix: SOIL
 Received Date: 3/10/2022 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	LRN
Chloride	970	60	mg/Kg	20	3/15/2022 11:58:47 PM	66186
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	JME
Diesel Range Organics (DRO)	110	9.2	mg/Kg	1	3/14/2022 8:58:38 AM	66116
Motor Oil Range Organics (MRO)	100	46	mg/Kg	1	3/14/2022 8:58:38 AM	66116
Surr: DNOP	114	51.1-141	%Rec	1	3/14/2022 8:58:38 AM	66116
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	3/13/2022 8:34:00 AM	66096
Surr: BFB	106	70-130	%Rec	1	3/13/2022 8:34:00 AM	66096
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Benzene	ND	0.024	mg/Kg	1	3/13/2022 8:34:00 AM	66096
Toluene	ND	0.048	mg/Kg	1	3/13/2022 8:34:00 AM	66096
Ethylbenzene	ND	0.048	mg/Kg	1	3/13/2022 8:34:00 AM	66096
Xylenes, Total	ND	0.097	mg/Kg	1	3/13/2022 8:34:00 AM	66096
Surr: 4-Bromofluorobenzene	91.6	70-130	%Rec	1	3/13/2022 8:34:00 AM	66096

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2203567**

21-Mar-22

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: MB-66186 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 66186 RunNo: 86503

Prep Date: 3/15/2022 Analysis Date: 3/15/2022 SeqNo: 3052498 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-66186 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 66186 RunNo: 86503

Prep Date: 3/15/2022 Analysis Date: 3/15/2022 SeqNo: 3052499 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 94.4 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 interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2203567**

21-Mar-22

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: MB-66116	SampType: MB	LK	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	e Organics	
Client ID: PBS	Batch ID: 661	16	F	RunNo: 86	6439				
Prep Date: 3/11/2022	Analysis Date: 3/	14/2022	S	SeqNo: 30	050132	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND 10								
Motor Oil Range Organics (MRO)	ND 50								
Surr: DNOP	11	10.00		106	51.1	141			
Sample ID: MB-66117	SampType: MBLK TestCode: EPA Method 8					8015M/D: Die	sel Range	e Organics	
Client ID: PBS	Batch ID: 661	Batch ID: 66117 RunNo: 86439							
Prep Date: 3/11/2022	Analysis Date: 3/	14/2022	S	SeqNo: 30	050133	Units: %Rec			
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.4	10.00		93.5	51.1	141			
Sample ID: LCS-66116	SampType: LC	s	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	e Organics	
Client ID: LCSS	Batch ID: 661	16	F	RunNo: 86	6439				
Prep Date: 3/11/2022	Analysis Date: 3/	14/2022	S	SeqNo: 30	050134	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48 10	50.00	0	95.1	68.9	135			
Surr: DNOP	4.3	5.000		85.7	51.1	141			

Sample ID: LCS-66117	SampType: L (LCS TestCo			EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 66	117	RunNo: 86439								
Prep Date: 3/11/2022	Analysis Date: 3	/14/2022	SeqNo: 3050135			Units: %Rec	;				
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Surr: DNOP	6.0	5.000		121	51.1	141					

Qualifiers:

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

Page 4 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#: **2203567**

21-Mar-22

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: Ics-66096	SampT	ype: LC	S	Test	:Code: EF	PA Method	8015D: Gaso	line Rang	е	
Client ID: LCSS	Batch	1D: 660	096	R	tunNo: 80	6449				
Prep Date: 3/10/2022	Analysis D	ate: 3/	12/2022	S	eqNo: 30	050047	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	30	5.0	25.00	0	119	78.6	131			
Surr: BFB	2400 1000			238 70 130					S	

Sample ID: mb-66096	SampT	ype: ME	BLK	Test	tCode: El	PA Method	8015D: Gaso	line Rang	е	
Client ID: PBS	Batch	n ID: 66 0	096	R	RunNo: 80	6449				
Prep Date: 3/10/2022	Analysis D	ate: 3/	12/2022	S	SeqNo: 30	050048	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: 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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2203567 21-Mar-22**

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: Ics-66096	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batcl	h ID: 66 0	096	F	RunNo: 80	6449				
Prep Date: 3/10/2022	Analysis D	Date: 3/	12/2022	S	SeqNo: 30	050103	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	1.000	0	94.2	80	120			
Toluene	0.95	0.050	1.000	0	95.1	80	120			
Ethylbenzene	0.97	0.050	1.000	0	96.6	80	120			
lenes, Total 2.9 0.10 3.0				0	96.7	80	120			
Surr: 4-Bromofluorobenzene 0.90 1.00					90.4	70	130			

Sample ID: mb-66096	Samp1	уре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batcl	h ID: 66	096	F	RunNo: 8	6449				
Prep Date: 3/10/2022	Analysis D	Date: 3/	12/2022	S	SeqNo: 3	050104	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.87		1.000		87.2	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

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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

Sample Log-In Check List

ENVIRONMENTAL ANALYSIS LABORATORY

Client Name:	GHD Midland	Work Order Numbe	r: 220	3567			RcptNo: 1
Received By:	Sean Livingston	3/10/2022 8:00:00 AM	Λ		5	/	in the
Completed By:	Kasandra Payan	3/10/2022 8:23:31 AM			VI	1	ng of
Reviewed By:	one	3/10/22			7		
Chain of Cus	<u>tody</u>						
1. Is Chain of Co	ustody complete?		Yes	· •	No		Not Present
2. How was the	sample delivered?		Cou	<u>ırier</u>			
Log In							
3. Was an attem	pt made to cool the sam	oles?	Yes	V	No		NA 🗆
4. Were all samp	oles received at a temper	ature of >0° C to 6.0°C	Yes	~	No		NA 🗆
5. Sample(s) in p	proper container(s)?		Yes	~	No		
6. Sufficient sam	ple volume for indicated t	est(s)?	Yes	V	No		
7. Are samples (e	except VOA and ONG) pr	operly preserved?	Yes	~	No		
8. Was preservat	tive added to bottles?		Yes		No	v	NA 🔲
9. Received at lea	ast 1 vial with headspace	<1/4" for AQ VOA?	Yes		No		NA 🗹
10. Were any sam	ple containers received t	oroken?	Yes		No	V	# of preserved
	rk match bottle labels? ncies on chain of custody)	Yes	•	No		bottles checked for pH: (<2 or >12 unless noted)
	orrectly identified on Cha		Yes	~	No		Adjusted?
	analyses were requested		Yes		No		
4. Were all holdin (If no, notify cu	g times able to be met? stomer for authorization.)		Yes	✓	No		Checked by: 713/10/22
	ng (if applicable)					,	
	ified of all discrepancies	with this order?	Yes		No		NA 🔽
Person N	Notified:	Date:				_	
By Whor	n:	Via:	eM:	ail 🔲 I	Phone	Fax	In Person
Regardin	ng:					(4.5)	
Client Ins	structions:						
6. Additional rem	narks:						
7. Cooler Inform	nation						
Cooler No	Temp °C Condition	Seal Intact Seal No S	eal D	ate	Signed E	Ву	
1	1.2 Good						



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

March 17, 2022

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

FAX:

RE: Gerard AW Battery OrderNo.: 2203661

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 2 sample(s) on 3/11/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

anded

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 3/17/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: XTP-16

 Project:
 Gerard AW Battery
 Collection Date: 3/9/2022 1:15:00 PM

 Lab ID:
 2203661-001
 Matrix: MEOH (SOIL)
 Received Date: 3/11/2022 8:00:00 AM

Result **RL Oual Units DF** Date Analyzed **Batch Analyses EPA METHOD 300.0: ANIONS** Analyst: MRA Chloride 5800 300 mg/Kg 100 3/15/2022 12:49:54 PM 66147 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: JME Diesel Range Organics (DRO) 250 9.8 mg/Kg 3/11/2022 10:03:41 AM 66112 Motor Oil Range Organics (MRO) 3/11/2022 10:03:41 AM 66112 110 49 mg/Kg 1 Surr: DNOP 3/11/2022 10:03:41 AM 66112 104 51.1-141 %Rec **EPA METHOD 8015D: GASOLINE RANGE** Analyst: RAA 3/12/2022 4:30:00 PM Gasoline Range Organics (GRO) ND 5 R86449 17 mg/Kg Surr: BFB 124 70-130 %Rec 3/12/2022 4:30:00 PM R86449 **EPA METHOD 8021B: VOLATILES** Analyst: RAA ND 0.086 mg/Kg 3/12/2022 4:30:00 PM BS86449 Benzene 5 Toluene ND 0.17 mg/Kg 3/12/2022 4:30:00 PM BS86449 Ethylbenzene ND 0.17 mg/Kg 5 3/12/2022 4:30:00 PM BS86449 Xylenes, Total ND 0.34 mg/Kg 5 3/12/2022 4:30:00 PM BS86449 Surr: 4-Bromofluorobenzene 70-130 3/12/2022 4:30:00 PM BS86449 90.7 %Rec

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

Page 1 of 6

Surr: 4-Bromofluorobenzene

Analytical Report Lab Order 2203661

Date Reported: 3/17/2022

3/12/2022 5:48:00 PM

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: XTP-17'

 Project:
 Gerard AW Battery
 Collection Date: 3/9/2022 1:20:00 PM

 Lab ID:
 2203661-002
 Matrix: MEOH (SOIL)
 Received Date: 3/11/2022 8:00:00 AM

Result **RL Oual Units DF** Date Analyzed **Batch** Analyses **EPA METHOD 300.0: ANIONS** Analyst: MRA Chloride 7500 300 mg/Kg 100 3/15/2022 1:02:14 PM 66147 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: JME Diesel Range Organics (DRO) 200 9.8 mg/Kg 3/11/2022 10:14:27 AM 66112 Motor Oil Range Organics (MRO) 100 3/11/2022 10:14:27 AM 66112 49 mg/Kg 1 Surr: DNOP 100 3/11/2022 10:14:27 AM 66112 51.1-141 %Rec **EPA METHOD 8015D: GASOLINE RANGE** Analyst: RAA 3/12/2022 5:48:00 PM Gasoline Range Organics (GRO) ND 5 R86449 21 mg/Kg Surr: BFB 112 70-130 %Rec 5 3/12/2022 5:48:00 PM R86449 **EPA METHOD 8021B: VOLATILES** Analyst: RAA ND 0.10 3/12/2022 5:48:00 PM BS86449 Benzene mg/Kg 5 Toluene ND 0.21 mg/Kg 3/12/2022 5:48:00 PM BS86449 Ethylbenzene ND 0.21 mg/Kg 5 3/12/2022 5:48:00 PM BS86449 Xylenes, Total ND 0.41 mg/Kg 5 3/12/2022 5:48:00 PM BS86449

91.6

70-130

%Rec

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

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BS86449

Hall Environmental Analysis Laboratory, Inc.

WO#: **2203661**

17-Mar-22

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: MB-66147 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 66147 RunNo: 86455

Prep Date: 3/14/2022 Analysis Date: 3/14/2022 SeqNo: 3050753 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-66147 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 66147 RunNo: 86455

Prep Date: 3/14/2022 Analysis Date: 3/14/2022 SeqNo: 3050754 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 92.9 90 110

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- 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

Page 3 of 6

Hall Environmental Analysis Laboratory, Inc.

17-Mar-22

2203661

WO#:

Client: GHD Midland **Project:** Gerard AW Battery

Sample ID: MB-66112 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PBS Batch ID: 66112 RunNo: 86399 Prep Date: 3/11/2022 Analysis Date: 3/11/2022 SeqNo: 3047706 Units: mg/Kg PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Analyte Result Qual Diesel Range Organics (DRO) ND 10 Motor Oil Range Organics (MRO) ND 50 Surr: DNOP 10.00 8.1 81.4 51.1 141 Sample ID: LCS-66112 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: LCSS Batch ID: 66112 RunNo: 86399 Prep Date: 3/11/2022 Analysis Date: 3/11/2022 SeqNo: 3047776 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) 44 10 50.00 88.9 68.9 135 Surr: DNOP 4.0 5.000 79.5 51.1 141

Sample ID: LCS-66078 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 66078 RunNo: 86412 Prep Date: 3/10/2022 Analysis Date: 3/11/2022 SeqNo: 3048356 Units: %Rec Analyte Result SPK value SPK Ref Val %REC LowLimit HighLimit %RPD Qual

5.0 Surr: DNOP 5.000

101 51.1

141

RPDLimit

Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix interference

Analyte detected in the associated Method Blank

Estimated value

Analyte detected below quantitation limits

Sample pH Not In Range

RL Reporting Limit Page 4 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#: **2203661**

17-Mar-22

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: 2.5ug gro lcs	SampT	ype: LC	s	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	е	
Client ID: LCSS	Batcl	n ID: R8	6449	F	RunNo: 8	6449				
Prep Date:	Analysis D	ate: 3/	12/2022	5	SeqNo: 3	050032	Units: mg/K	(g		
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	1200		1000		125	70	130			
Sample ID: mb	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID: PBS	Batcl	n ID: R8	6449	F	RunNo: 8	6449				
Prep Date:	Analysis D	ate: 3/	12/2022	5	SeqNo: 3	050033	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BEB	1100		1000		108	70	130			

Sample ID: Ics-66096	SampType: LCS	TestCode: EPA Me	ethod 8015D: Gasoline Ra	inge
Client ID: LCSS	Batch ID: 66096	RunNo: 86449		
Prep Date: 3/10/2022	Analysis Date: 3/12/2022	SeqNo: 305004	7 Units: %Rec	
Analyte	Result PQL SPK val	ue SPK Ref Val %REC Lowl	Limit HighLimit %RP	D RPDLimit Qual
Surr: BFB	2400 10	00 238	70 130	S

Sample ID: mb-66096	SampTy	/pe: ME	BLK	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	е	
Client ID: PBS	Batch	ID: 66	096	F	RunNo: 8	6449				
Prep Date: 3/10/2022	Analysis Da	ate: 3/	12/2022	S	SeqNo: 3	050048	Units: %Red	:		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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 Quantitative Limit
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2203661** *17-Mar-22*

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: 100ng btex Ics	Samp	Гуре: LC	s	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: LCSS	Batc	h ID: BS	86449	F	RunNo: 80	6449				
Prep Date:	Analysis [Date: 3/	12/2022	S	SeqNo: 30	050088	Units: mg/K	ζg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	1.000	0	96.4	80	120			
Toluene	0.98	0.050	1.000	0	98.4	80	120			
Ethylbenzene	1.0	0.050	1.000	0	100	80	120			
Xylenes, Total	3.0	0.10	3.000	0	100	80	120			
Surr: 4-Bromofluorobenzene	0.97		1.000		97.2	70	130			
Sample ID: mb	Samp	Гуре: МЕ	BLK	Tes	tCode: EI	PA Method	8021B: Volat	tiles		
Client ID: PBS	Batc	h ID: BS	86449	F	RunNo: 80	6449				
Prep Date:	Analysis [Date: 3/	12/2022	S	SeqNo: 30	050089	Units: mg/K	ζg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.90		1.000		89.6	70	130			
Sample ID: Ics-66096	Samp	Гуре: LC	s	Tes	tCode: EI	PA Method	8021B: Volat	tiles		
Client ID: LCSS	Batc	h ID: 66 0	096	F	RunNo: 80	6449				
Prep Date: 3/10/2022	Analysis [Date: 3/	12/2022	S	SeqNo: 30	050103	Units: %Red	С		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.90		1.000		90.4	70	130			
Sample ID: mb-66096	Samp	Гуре: МЕ	BLK	Tes	tCode: E l	PA Method	8021B: Volat	tiles		
Client ID: PBS	Batc	h ID: 66 0	096	F	RunNo: 80	6449				
Prep Date: 3/10/2022	Analysis [Date: 3/	12/2022	S	SeqNo: 30	050104	Units: %Red	С		
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

Surr: 4-Bromofluorobenzene

- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit

0.87

1.000

B Analyte detected in the associated Method Blank

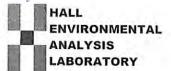
87.2

70

130

- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 6 of 6



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: 2203661 RcptNo: 1 Received By: Sean Livingston 3/11/2022 8:00:00 AM Completed By: Sean Livingston 3/11/2022 8:26:43 AM 3/11/20 Reviewed By: Chain of Custody No 🗌 1. Is Chain of Custody complete? Yes 🗸 Not Present 2. How was the sample delivered? Courier Log In 3. Was an attempt made to cool the samples? Yes 🗸 No 🗌 NA 🗌 Were all samples received at a temperature of >0° C to 6.0°C No 🗌 Yes V NA 🗍 Sample(s) in proper container(s)? No T Yes V 6. Sufficient sample volume for indicated test(s)? Yes V No 🗌 No П 7. Are samples (except VOA and ONG) properly preserved? Yes V 8. Was preservative added to bottles? Yes No V NA 🗌 9. Received at least 1 vial with headspace <1/4" for AQ VOA? NA V Yes No 🗌 Yes 10. Were any sample containers received broken? No V # of preserved bottles checked 11. Does paperwork match bottle labels? Yes 🗸 No 🗌 for pH: (Note discrepancies on chain of custody) (<2 or >12 unless noted) 12. Are matrices correctly identified on Chain of Custody? Yes V No 🗌 13. Is it clear what analyses were requested? Yes 🗸 No 🗌 14. Were all holding times able to be met? Checked by: On 3/11/20 Yes 🗸 No 🗌 (If no, notify customer for authorization.) Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? Yes 🗌 No 🗌 NA V Person Notified: Date: By Whom: 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 2.4 Good

3/10/22 /900	Time:	3/10/22 1730	Time:								39/22 1320	59/22 1315	Time		□ EDD (Type)	□ NELAC	Accreditation:	☐ Standard	QA/QC Package:	email or Fax#:	Phone #:	2135 S. Loop 25	Mailing Address		Client: GHD	Chain-
Z	Relinquished by:	٨	Relinquished by:								V	8	Matrix			□ Other	□ Az C			Becky.h	(432) 68	O W. Mi				of-C
2	ed by:		ed by:								1- LI- d1x	XTP-16	Sample Name			<u> </u>	☐ Az Compliance	☐ Level 4 (Full Validation)		Becky.Haskell@ghd.com	(432) 686-0086	Loop 250 W. Midland, TX 79703				Chain-of-Custody Record
500	Received by:	-	Received by:								κ-	Hoz. Jar/1	Container Type and #	Cooler Temp(including CF):	# of Coolers:	On Ice:			Becky Haskell	Project Manager:		Project #:	Crerard AW	Project Name:	☐ Standard	Turn-Around Time:
190 Mun Sac Court 3/11/20 8:00 Direct Bill to EOG Chase Settle	Via:		Via:								χ -	NA	Preservative Type		1 3	X Yes	Heath Boyd		ell	lager:	11220716	.04		١ ،	d Rush 24	d Time:
3/11/22 8:00	Time	Ž,	Date Time								00/	28-1	HEAL NO.	2.4 to=2.4ac		□ No					16		Battery		h 24	
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Settle	ky H	no@g	-	+	+	4																4107	Albuquerque, NM 87109		õ	
	askel	Tom.Larson@ghd.com; Zach.Comino@ghd.com;	-	+	+	+								_			_	-		\dashv			09	5	A 1	
	Heath.Boyd@ghd.com Along with Becky Haskell listed	om;	Remarks: Please email: Chase Settle@eograssurress com:		1															-				-	YSTS I ARORATORY	1
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HALL ENVIRONMENTAL ATORY



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

March 23, 2022

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

FAX

RE: Gerard AW Batttery OrderNo.: 2203833

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 7 sample(s) on 3/16/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order **2203833**Date Reported: **3/23/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SWX-1

 Project:
 Gerard AW Batttery
 Collection Date: 3/14/2022 3:11:00 PM

 Lab ID:
 2203833-001
 Matrix: SOIL
 Received Date: 3/16/2022 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	4500	150	mg/Kg	50	3/17/2022 6:20:58 AM	66225
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	SB
Diesel Range Organics (DRO)	680	9.9	mg/Kg	1	3/16/2022 5:55:39 PM	66204
Motor Oil Range Organics (MRO)	280	49	mg/Kg	1	3/16/2022 5:55:39 PM	66204
Surr: DNOP	99.4	51.1-141	%Rec	1	3/16/2022 5:55:39 PM	66204
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	19	mg/Kg	5	3/16/2022 2:48:00 PM	66198
Surr: BFB	113	70-130	%Rec	5	3/16/2022 2:48:00 PM	66198
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Benzene	ND	0.094	mg/Kg	5	3/16/2022 2:48:00 PM	66198
Toluene	ND	0.19	mg/Kg	5	3/16/2022 2:48:00 PM	66198
Ethylbenzene	ND	0.19	mg/Kg	5	3/16/2022 2:48:00 PM	66198
Xylenes, Total	ND	0.38	mg/Kg	5	3/16/2022 2:48:00 PM	66198
Surr: 4-Bromofluorobenzene	88.1	70-130	%Rec	5	3/16/2022 2:48:00 PM	66198

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

Page 1 of 11

Date Reported: 3/23/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SWX-2

 Project:
 Gerard AW Batttery
 Collection Date: 3/14/2022 3:08:00 PM

 Lab ID:
 2203833-002
 Matrix: SOIL
 Received Date: 3/16/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	MRA
Chloride	4600	150		mg/Kg	50	3/17/2022 6:33:19 AM	66225
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS					Analyst	SB
Diesel Range Organics (DRO)	1500	96		mg/Kg	10	3/17/2022 12:08:49 PM	66204
Motor Oil Range Organics (MRO)	540	480		mg/Kg	10	3/17/2022 12:08:49 PM	66204
Surr: DNOP	0	51.1-141	S	%Rec	10	3/17/2022 12:08:49 PM	66204
EPA METHOD 8015D: GASOLINE RANGE						Analyst	RAA
Gasoline Range Organics (GRO)	ND	18		mg/Kg	5	3/16/2022 3:08:00 PM	66198
Surr: BFB	124	70-130		%Rec	5	3/16/2022 3:08:00 PM	66198
EPA METHOD 8021B: VOLATILES						Analyst	RAA
Benzene	ND	0.092		mg/Kg	5	3/16/2022 3:08:00 PM	66198
Toluene	ND	0.18		mg/Kg	5	3/16/2022 3:08:00 PM	66198
Ethylbenzene	ND	0.18		mg/Kg	5	3/16/2022 3:08:00 PM	66198
Xylenes, Total	ND	0.37		mg/Kg	5	3/16/2022 3:08:00 PM	66198
Surr: 4-Bromofluorobenzene	89.2	70-130		%Rec	5	3/16/2022 3:08:00 PM	66198

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

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Date Reported: 3/23/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SWX-3

 Project:
 Gerard AW Batttery
 Collection Date: 3/14/2022 3:05:00 PM

 Lab ID:
 2203833-003
 Matrix: SOIL
 Received Date: 3/16/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: LRN
Chloride	600	59		mg/Kg	20	3/17/2022 12:26:24 AM	66225
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS					Analyst	: SB
Diesel Range Organics (DRO)	2400	100		mg/Kg	10	3/16/2022 7:20:48 PM	66204
Motor Oil Range Organics (MRO)	1100	500		mg/Kg	10	3/16/2022 7:20:48 PM	66204
Surr: DNOP	0	51.1-141	S	%Rec	10	3/16/2022 7:20:48 PM	66204
EPA METHOD 8015D: GASOLINE RANGE						Analyst	RAA
Gasoline Range Organics (GRO)	29	27		mg/Kg	5	3/16/2022 3:27:00 PM	66198
Surr: BFB	175	70-130	S	%Rec	5	3/16/2022 3:27:00 PM	66198
EPA METHOD 8021B: VOLATILES						Analyst	: RAA
Benzene	ND	0.14		mg/Kg	5	3/16/2022 3:27:00 PM	66198
Toluene	ND	0.27		mg/Kg	5	3/16/2022 3:27:00 PM	66198
Ethylbenzene	ND	0.27		mg/Kg	5	3/16/2022 3:27:00 PM	66198
Xylenes, Total	ND	0.54		mg/Kg	5	3/16/2022 3:27:00 PM	66198
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	5	3/16/2022 3:27:00 PM	66198

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

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CLIENT: GHD Midland

Analytical Report

Lab Order 2203833

Date Reported: 3/23/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: SWX-4

 Project:
 Gerard AW Batttery
 Collection Date: 3/14/2022 3:14:00 PM

 Lab ID:
 2203833-004
 Matrix: SOIL
 Received Date: 3/16/2022 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	680	59	mg/Kg	20	3/17/2022 12:38:49 AM	66225
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	610	10	mg/Kg	1	3/16/2022 6:38:08 PM	66204
Motor Oil Range Organics (MRO)	320	50	mg/Kg	1	3/16/2022 6:38:08 PM	66204
Surr: DNOP	112	51.1-141	%Rec	1	3/16/2022 6:38:08 PM	66204
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	20	mg/Kg	5	3/16/2022 3:47:00 PM	66198
Surr: BFB	108	70-130	%Rec	5	3/16/2022 3:47:00 PM	66198
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.10	mg/Kg	5	3/16/2022 3:47:00 PM	66198
Toluene	ND	0.20	mg/Kg	5	3/16/2022 3:47:00 PM	66198
Ethylbenzene	ND	0.20	mg/Kg	5	3/16/2022 3:47:00 PM	66198
Xylenes, Total	ND	0.41	mg/Kg	5	3/16/2022 3:47:00 PM	66198
Surr: 4-Bromofluorobenzene	87.6	70-130	%Rec	5	3/16/2022 3:47:00 PM	66198

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

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Date Reported: 3/23/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SWX-5

 Project:
 Gerard AW Batttery
 Collection Date: 3/14/2022 3:30:00 PM

 Lab ID:
 2203833-005
 Matrix: SOIL
 Received Date: 3/16/2022 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	2800	150	mg/Kg	50	3/17/2022 6:45:39 AM	66225
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	3/16/2022 6:59:25 PM	66204
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	3/16/2022 6:59:25 PM	66204
Surr: DNOP	103	51.1-141	%Rec	1	3/16/2022 6:59:25 PM	66204
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	3.4	mg/Kg	1	3/16/2022 4:07:00 PM	66198
Surr: BFB	109	70-130	%Rec	1	3/16/2022 4:07:00 PM	66198
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.017	mg/Kg	1	3/16/2022 4:07:00 PM	66198
Toluene	ND	0.034	mg/Kg	1	3/16/2022 4:07:00 PM	66198
Ethylbenzene	ND	0.034	mg/Kg	1	3/16/2022 4:07:00 PM	66198
Xylenes, Total	ND	0.068	mg/Kg	1	3/16/2022 4:07:00 PM	66198
Surr: 4-Bromofluorobenzene	87.6	70-130	%Rec	1	3/16/2022 4:07:00 PM	66198

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

Page 5 of 11

Date Reported: 3/23/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SWX-6

 Project:
 Gerard AW Batttery
 Collection Date: 3/14/2022 3:33:00 PM

 Lab ID:
 2203833-006
 Matrix: SOIL
 Received Date: 3/16/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: LRN
Chloride	2400	61		mg/Kg	20	3/17/2022 1:03:38 AM	66225
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS					Analyst	: SB
Diesel Range Organics (DRO)	4300	97		mg/Kg	10	3/16/2022 7:31:30 PM	66204
Motor Oil Range Organics (MRO)	1700	480		mg/Kg	10	3/16/2022 7:31:30 PM	66204
Surr: DNOP	0	51.1-141	S	%Rec	10	3/16/2022 7:31:30 PM	66204
EPA METHOD 8015D: GASOLINE RANGE						Analyst	: RAA
Gasoline Range Organics (GRO)	150	17		mg/Kg	5	3/16/2022 4:26:00 PM	66198
Surr: BFB	267	70-130	S	%Rec	5	3/16/2022 4:26:00 PM	66198
EPA METHOD 8021B: VOLATILES						Analyst	: RAA
Benzene	ND	0.085		mg/Kg	5	3/16/2022 4:26:00 PM	66198
Toluene	ND	0.17		mg/Kg	5	3/16/2022 4:26:00 PM	66198
Ethylbenzene	2.2	0.17		mg/Kg	5	3/16/2022 4:26:00 PM	66198
Xylenes, Total	1.5	0.34		mg/Kg	5	3/16/2022 4:26:00 PM	66198
Surr: 4-Bromofluorobenzene	157	70-130	S	%Rec	5	3/16/2022 4:26:00 PM	66198

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

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Date Reported: 3/23/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: XTP-9

 Project:
 Gerard AW Batttery
 Collection Date: 3/14/2022 10:30:00 AM

 Lab ID:
 2203833-007
 Matrix: SOIL
 Received Date: 3/16/2022 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	6400	300	mg/Kg	100	3/17/2022 6:58:00 AM	66225
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	3/16/2022 7:10:06 PM	66204
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	3/16/2022 7:10:06 PM	66204
Surr: DNOP	99.0	51.1-141	%Rec	1	3/16/2022 7:10:06 PM	66204
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	3.2	mg/Kg	1	3/16/2022 4:46:00 PM	66198
Surr: BFB	108	70-130	%Rec	1	3/16/2022 4:46:00 PM	66198
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Benzene	ND	0.016	mg/Kg	1	3/16/2022 4:46:00 PM	66198
Toluene	ND	0.032	mg/Kg	1	3/16/2022 4:46:00 PM	66198
Ethylbenzene	ND	0.032	mg/Kg	1	3/16/2022 4:46:00 PM	66198
Xylenes, Total	ND	0.064	mg/Kg	1	3/16/2022 4:46:00 PM	66198
Surr: 4-Bromofluorobenzene	87.6	70-130	%Rec	1	3/16/2022 4:46:00 PM	66198

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2203833 23-Mar-22**

Client: GHD Midland
Project: Gerard AW Batttery

Sample ID: MB-66225 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 66225 RunNo: 86531

Prep Date: 3/16/2022 Analysis Date: 3/16/2022 SeqNo: 3053728 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-66225 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 66225 RunNo: 86531

Prep Date: 3/16/2022 Analysis Date: 3/16/2022 SeqNo: 3053729 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 91.6 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

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Hall Environmental Analysis Laboratory, Inc.

9.2

WO#: **2203833 23-Mar-22**

Client: GHD Midland
Project: Gerard AW Batttery

Sample ID: LCS-66204 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS RunNo: 86505 Batch ID: 66204 Prep Date: 3/16/2022 Analysis Date: 3/16/2022 SeqNo: 3052645 Units: mg/Kg PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual Analyte Result LowLimit Diesel Range Organics (DRO) 10 0 47 50.00 94.7 68.9 135 Surr: DNOP 4.6 5.000 92.3 51.1 141

Sample ID: MB-66204 TestCode: EPA Method 8015M/D: Diesel Range Organics SampType: MBLK Client ID: PBS Batch ID: 66204 RunNo: 86505 Prep Date: 3/16/2022 Analysis Date: 3/16/2022 SeqNo: 3052646 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

92.2

51.1

141

10.00

Qualifiers:

Surr: DNOP

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2203833**

23-Mar-22

Client: GHD Midland
Project: Gerard AW Batttery

Sample ID: mb-66198 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 66198 RunNo: 86499

Prep Date: 3/15/2022 Analysis Date: 3/16/2022 SeqNo: 3052369 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 107 70 130

Sample ID: Ics-66198 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 66198 RunNo: 86499

Prep Date: 3/15/2022 Analysis Date: 3/16/2022 SeqNo: 3052374 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 30 5.0 25.00 0 120 78.6 131 Surr: BFB 2300 1000 235 70 130 S

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2203833 23-Mar-22**

Client: GHD Midland
Project: Gerard AW Batttery

Sample ID: Ics-66198	SampT	ype: LC	S	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batcl	n ID: 66 ′	198	F	RunNo: 8	6499				
Prep Date: 3/15/2022	Analysis D)ate: 3/	16/2022	8	SeqNo: 3	052378	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.025	1.000	0	96.9	80	120			
Toluene	0.99	0.050	1.000	0	98.8	80	120			
Ethylbenzene	0.99	0.050	1.000	0	99.4	80	120			
Xylenes, Total	3.0	0.10	3.000	0	99.3	80	120			
Surr: 4-Bromofluorobenzene	0.88		1.000		88.4	70	130			

Sample ID: mb-66198	SampT	ype: ME	BLK	Tes	tCode: E	PA Method	8021B: Volat	iles		
Client ID: PBS	Batcl	h ID: 66	198	F	RunNo: 8	6499				
Prep Date: 3/15/2022	Analysis D	Date: 3/	16/2022	8	SeqNo: 3	052379	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.91		1.000		91.0	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 interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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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 Nur	mber: 220	3833			RcptNo: 1
Received By: Tracy Casarrubias	3/16/2022 8:00:00) AM				
Completed By: Tracy Casarrubias	3/16/2022 9:21:15	5 AM				
Reviewed By: JN3/16/22						
Chain of Custody						
1. Is Chain of Custody complete?		Yes	~	No		Not Present
2. How was the sample delivered?		Cou	rier			
<u>Log In</u>						
3. Was an attempt made to cool the samples?		Yes	V	No		NA 🗆
4. Were all samples received at a temperature of	>0° C to 6.0°C	Yes	V	No		NA 🗆
5. Sample(s) in proper container(s)?		Yes	V	No		
6. Sufficient sample volume for indicated test(s)?		Yes	V	No		
7. Are samples (except VOA and ONG) properly p	preserved?	Yes	~	No		
8. Was preservative added to bottles?		Yes		No	V	NA 🗆
9. Received at least 1 vial with headspace <1/4" fo	or AQ VOA?	Yes		No		NA 🗹
0. Were any sample containers received broken?		Yes		No	V	# of preserved
Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes	V	No		bottles checked for pH: (<2 or >12 unless noted)
2. Are matrices correctly identified on Chain of Cu	stody?	Yes	V	No		Adjusted?
3. Is it clear what analyses were requested?		Yes		No		
Were all holding times able to be met? (If no, notify customer for authorization.)		Yes		No		Checked by: Che 3/14/2
pecial Handling (if applicable)						
5. Was client notified of all discrepancies with this	order?	Yes		No		NA 🗹
Person Notified:	Date				_	
By Whom:	Via:	· ∏ eMa	ail 🗆 F	Phone	Fav	☐ In Person
Regarding:	, id.		· •	HONG _	, av	
Client Instructions:					_	
6. Additional remarks:						
7. Cooler Information Cooler No Temp °C Condition Seal	Intact Seal No	Seal Da	ato.	Signed B		

	Chain	1-of-C	Chain-of-Custody Record	Turn-Around	nd Time:										Red
Client:	: GHD			_ □ Standard		M Rush 24 hr			I	HALL	EN C	M	RONN	ENVIRONMENTAL	eived
				Project Name:					3		6	ח	LABO.	AIMELSIS LABORALORY	<u>.</u>
Mailin	Mailing Address:	.;		Gerard	AW B	Battery		1901	v Jawkir	www.na 4901 Hawkins NF	allenvir	onme	www.nallenvironmental.com	00	OCD:
2135	S. Loop 2	50 W. Mic	2135 S. Loop 250 W. Midland, TX 79703	Project #:				Tel 5	15-34			4454	505 345 4107	60 2	5/2
Phone #:	:#:	(432) 686-0086	36-0086		76822	١					na	is Re	ordest		7/20
email	email or Fax#:	Becky. F	Becky.Haskell@ghd.com	Project Manager:	iger:		_	((-	7(H			22 8
QA/QC	QA/QC Package:			Becky Haskell	-					SN	OS '*				8:30:
□ Sta	□ Standard		☐ Level 4 (Full Validation)	Tom Larson						IISO	ОЬ	_			28 2
Accre	Accreditation:		☐ Az Compliance	Sampler:	Heath Boyd					0728	10 ⁵ '	- 1			AM
	FDD (Type)			On Ice:	A Yes	oN 🗆					ι ,ε	(AC			
]	I ype)			# of Coolers: \	- Lander - Contraction - Contr	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0					_				
					(incauding CF).										
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	1202822	BTEX .)8:H9T 9 1808	EDB (N	SCRA ARD	J, F, I	7) 09Z8 8) 07Z8	binoldC		
2/4/25	3/4/25 -12 11	S	SWx-1	402 Jul 1	WA	CAN					-		1		
	(508)	-	2-xm5		-	COL	メ			-			۲.		
	1505		SWX-3			100	X					-	۷ کم		
	1514		SWX-4			1975	- L					-	٤ ١		-
-	1530		S-X-S			Cot	-		t	-	ŀ	-	× 7		
	1533		SWX-6	_		200	-				t		× 1		
X	1030	×	XTP-9	X	X	60	1				h		x &		H
								-1							
Date:	Time:	Relinquished by:	pd by:	Poreived hy	Vie									2.	
3/4/25	120	(1)		Ordana.	Via:	3/15/33 Inab	Re	narks: Tom	Pleas Larso	se ema n@gh	il: Cha d.com;	se_Se Zach	arks: Please email: Chase_Settle@eogresources. Tom.Larson@ghd.com; Zach.Comino@ghd.com;	Remarks: Please email: Chase_Settle@eogresources.com; Tom.Larson@ghd.com; Zach.Comino@ghd.com;	m;
Date:	Time:	Relinquished by:	ed by:	Received by:	TVia: ce	S/16/22 8:00		leath.	3oyd@	gghd.c	om Alo ab	Along wi above.	h Becky H	Heath.Boyd@ghd.com Along with Becky Haskell listed above.	- Pag
2000	If necessary,	samples subr	If necessary, samples submitted to Hall Environmental may be suite of transfer to other s	outracted to other ac	credited laboratorie	laharaharian This sames as a section 16 His		3	۱ -			5	Direct bill to EOG Criase Settle		e 17



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

March 25, 2022

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

FAX:

RE: Gerard AW Battery OrderNo.: 2203832

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 7 sample(s) on 3/16/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

andy

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order **2203832**Date Reported: **3/25/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-8

 Project:
 Gerard AW Battery
 Collection Date: 3/14/2022 3:26:00 PM

 Lab ID:
 2203832-001
 Matrix: SOIL
 Received Date: 3/16/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	LRN
Chloride	2600	150		mg/Kg	50	3/23/2022 10:37:54 AM	66306
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS					Analyst	SB
Diesel Range Organics (DRO)	480	8.9		mg/Kg	1	3/17/2022 3:45:40 PM	66213
Motor Oil Range Organics (MRO)	200	44		mg/Kg	1	3/17/2022 3:45:40 PM	66213
Surr: DNOP	103	51.1-141		%Rec	1	3/17/2022 3:45:40 PM	66213
EPA METHOD 8015D: GASOLINE RANGE						Analyst	BRM
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	3/17/2022 11:55:00 AM	66221
Surr: BFB	140	70-130	S	%Rec	5	3/17/2022 11:55:00 AM	66221
EPA METHOD 8021B: VOLATILES						Analyst	BRM
Benzene	ND	0.12		mg/Kg	5	3/17/2022 11:55:00 AM	66221
Toluene	ND	0.24		mg/Kg	5	3/17/2022 11:55:00 AM	66221
Ethylbenzene	ND	0.24		mg/Kg	5	3/17/2022 11:55:00 AM	66221
Xylenes, Total	ND	0.48		mg/Kg	5	3/17/2022 11:55:00 AM	66221
Surr: 4-Bromofluorobenzene	94.4	70-130		%Rec	5	3/17/2022 11:55:00 AM	66221

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

Page 1 of 11

CLIENT: GHD Midland

Analytical Report

Lab Order **2203832**Date Reported: 3/25/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH-9

 Project:
 Gerard AW Battery
 Collection Date: 3/14/2022 3:23:00 PM

 Lab ID:
 2203832-002
 Matrix: SOIL
 Received Date: 3/16/2022 8:00:00 AM

Result **RL Oual Units DF** Date Analyzed **Batch** Analyses **EPA METHOD 300.0: ANIONS** Analyst: LRN Chloride 1500 60 mg/Kg 20 3/21/2022 8:46:52 PM 66306 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) 810 9.3 mg/Kg 3/17/2022 4:06:55 PM 66213 Motor Oil Range Organics (MRO) 3/17/2022 4:06:55 PM 310 46 mg/Kg 1 66213 Surr: DNOP 3/17/2022 4:06:55 PM 66213 135 51.1-141 %Rec 1 Analyst: BRM **EPA METHOD 8015D: GASOLINE RANGE** 3/17/2022 12:53:00 PM 66221 Gasoline Range Organics (GRO) ND 24 5 mg/Kg Surr: BFB 163 70-130 S %Rec 3/17/2022 12:53:00 PM 66221 **EPA METHOD 8021B: VOLATILES** Analyst: BRM ND mg/Kg 3/17/2022 12:53:00 PM 66221 Benzene 0.12 5 Toluene ND 0.24 mg/Kg 3/17/2022 12:53:00 PM 66221 Ethylbenzene ND 0.24 mg/Kg 5 3/17/2022 12:53:00 PM 66221 Xylenes, Total ND 0.48 mg/Kg 5 3/17/2022 12:53:00 PM 66221 Surr: 4-Bromofluorobenzene 70-130 3/17/2022 12:53:00 PM 66221 99.1 %Rec

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

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Date Reported: 3/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-10

 Project:
 Gerard AW Battery
 Collection Date: 3/14/2022 3:20:00 PM

 Lab ID:
 2203832-003
 Matrix: SOIL
 Received Date: 3/16/2022 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	1300	60	mg/Kg	20	3/21/2022 9:24:05 PM	66306
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	68	9.9	mg/Kg	1	3/17/2022 4:28:10 PM	66213
Motor Oil Range Organics (MRO)	51	49	mg/Kg	1	3/17/2022 4:28:10 PM	66213
Surr: DNOP	105	51.1-141	%Rec	1	3/17/2022 4:28:10 PM	66213
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	24	mg/Kg	5	3/17/2022 1:13:00 PM	66221
Surr: BFB	112	70-130	%Rec	5	3/17/2022 1:13:00 PM	66221
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.12	mg/Kg	5	3/17/2022 1:13:00 PM	66221
Toluene	ND	0.24	mg/Kg	5	3/17/2022 1:13:00 PM	66221
Ethylbenzene	ND	0.24	mg/Kg	5	3/17/2022 1:13:00 PM	66221
Xylenes, Total	ND	0.48	mg/Kg	5	3/17/2022 1:13:00 PM	66221
Surr: 4-Bromofluorobenzene	89.8	70-130	%Rec	5	3/17/2022 1:13:00 PM	66221

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

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CLIENT: GHD Midland

Gerard AW Battery

Project:

Analytical Report

Lab Order **2203832**Date Reported: **3/25/2022**

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH-11

Collection Date: 3/14/2022 3:17:00 PM

Lab ID: 2203832-004 **Matrix:** SOIL **Received Date:** 3/16/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: LRN
Chloride	710	60		mg/Kg	20	3/21/2022 9:36:30 PM	66306
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS					Analyst	: SB
Diesel Range Organics (DRO)	360	9.7		mg/Kg	1	3/17/2022 4:38:52 PM	66213
Motor Oil Range Organics (MRO)	170	48		mg/Kg	1	3/17/2022 4:38:52 PM	66213
Surr: DNOP	109	51.1-141		%Rec	1	3/17/2022 4:38:52 PM	66213
EPA METHOD 8015D: GASOLINE RANGE						Analyst	BRM
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	3/17/2022 1:33:00 PM	66221
Surr: BFB	130	70-130	S	%Rec	5	3/17/2022 1:33:00 PM	66221
EPA METHOD 8021B: VOLATILES						Analyst	BRM
Benzene	ND	0.12		mg/Kg	5	3/17/2022 1:33:00 PM	66221
Toluene	ND	0.24		mg/Kg	5	3/17/2022 1:33:00 PM	66221
Ethylbenzene	ND	0.24		mg/Kg	5	3/17/2022 1:33:00 PM	66221
Xylenes, Total	ND	0.49		mg/Kg	5	3/17/2022 1:33:00 PM	66221
Surr: 4-Bromofluorobenzene	92.0	70-130		%Rec	5	3/17/2022 1:33:00 PM	66221

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

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Date Reported: 3/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-4

 Project:
 Gerard AW Battery
 Collection Date: 3/14/2022 3:01:00 PM

 Lab ID:
 2203832-005
 Matrix: SOIL
 Received Date: 3/16/2022 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	150	61	mg/Kg	20	3/21/2022 9:48:54 PM	66306
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	110	10	mg/Kg	1	3/19/2022 12:41:03 AM	66213
Motor Oil Range Organics (MRO)	210	50	mg/Kg	1	3/19/2022 12:41:03 AM	66213
Surr: DNOP	55.8	51.1-141	%Rec	1	3/19/2022 12:41:03 AM	66213
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	3/17/2022 1:53:00 PM	66221
Surr: BFB	105	70-130	%Rec	1	3/17/2022 1:53:00 PM	66221
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.024	mg/Kg	1	3/17/2022 1:53:00 PM	66221
Toluene	ND	0.048	mg/Kg	1	3/17/2022 1:53:00 PM	66221
Ethylbenzene	ND	0.048	mg/Kg	1	3/17/2022 1:53:00 PM	66221
Xylenes, Total	ND	0.097	mg/Kg	1	3/17/2022 1:53:00 PM	66221
Surr: 4-Bromofluorobenzene	89.4	70-130	%Rec	1	3/17/2022 1:53:00 PM	66221

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

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CLIENT: GHD Midland

Analytical Report

Lab Order **2203832**Date Reported: 3/25/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: SW-5

Project: Gerard AW Battery Collection Date: 3/14/2022 2:58:00 PM

Lab ID: 2203832-006 **Matrix:** SOIL **Received Date:** 3/16/2022 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	ND	60	mg/Kg	20	3/21/2022 10:01:18 PM	66306
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	12	10	mg/Kg	1	3/17/2022 5:10:46 PM	66213
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	3/17/2022 5:10:46 PM	66213
Surr: DNOP	136	51.1-141	%Rec	1	3/17/2022 5:10:46 PM	66213
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	3/17/2022 2:12:00 PM	66221
Surr: BFB	107	70-130	%Rec	1	3/17/2022 2:12:00 PM	66221
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.024	mg/Kg	1	3/17/2022 2:12:00 PM	66221
Toluene	ND	0.048	mg/Kg	1	3/17/2022 2:12:00 PM	66221
Ethylbenzene	ND	0.048	mg/Kg	1	3/17/2022 2:12:00 PM	66221
Xylenes, Total	ND	0.096	mg/Kg	1	3/17/2022 2:12:00 PM	66221
Surr: 4-Bromofluorobenzene	91.2	70-130	%Rec	1	3/17/2022 2:12:00 PM	66221

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

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CLIENT: GHD Midland

Analytical Report

Lab Order **2203832**Date Reported: **3/25/2022**

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: SW-8

Project: Gerard AW Battery Collection Date: 3/14/2022 2:55:00 PM

Lab ID: 2203832-007 **Matrix:** SOIL **Received Date:** 3/16/2022 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	460	60	mg/Kg	20	3/21/2022 10:13:43 PM	66306
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	3/17/2022 5:21:26 PM	66213
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	3/17/2022 5:21:26 PM	66213
Surr: DNOP	103	51.1-141	%Rec	1	3/17/2022 5:21:26 PM	66213
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	3/17/2022 2:32:00 PM	66221
Surr: BFB	105	70-130	%Rec	1	3/17/2022 2:32:00 PM	66221
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.024	mg/Kg	1	3/17/2022 2:32:00 PM	66221
Toluene	ND	0.048	mg/Kg	1	3/17/2022 2:32:00 PM	66221
Ethylbenzene	ND	0.048	mg/Kg	1	3/17/2022 2:32:00 PM	66221
Xylenes, Total	ND	0.096	mg/Kg	1	3/17/2022 2:32:00 PM	66221
Surr: 4-Bromofluorobenzene	89.7	70-130	%Rec	1	3/17/2022 2:32:00 PM	66221

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

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Hall Environmental Analysis Laboratory, Inc.

WO#:

2203832 25-Mar-22

Client: GHD Midland **Project:** Gerard AW Battery

Sample ID: MB-66306 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 66306 RunNo: 86641

Prep Date: 3/21/2022 Analysis Date: 3/21/2022 SeqNo: 3058800 Units: mq/Kq

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

Chloride ND 1.5

Sample ID: LCS-66306 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 66306 RunNo: 86641

Units: mg/Kg Prep Date: 3/21/2022 Analysis Date: 3/21/2022 SeqNo: 3058801

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

Chloride 1.5 15.00 92.9

Sample ID: MB-66306 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 66306 RunNo: 86682

Prep Date: 3/21/2022 Analysis Date: 3/22/2022 SeqNo: 3060597 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-66306 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 66306 RunNo: 86682

Prep Date: 3/21/2022 Analysis Date: 3/22/2022 SeqNo: 3060598 Units: mg/Kg

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

14 15.00 0 93.6 90 Chloride 1.5 110

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

4.4

25-Mar-22

2203832

WO#:

Client: GHD Midland
Project: Gerard AW Battery

Surr: DNOP

Sample ID: LCS-66213 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 66213 RunNo: 86542 Prep Date: 3/16/2022 Analysis Date: 3/17/2022 SeqNo: 3055282 Units: mg/Kg PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual Analyte Result LowLimit Diesel Range Organics (DRO) 10 0 48 50.00 95.4 68.9 135

88.4

51.1

141

Sample ID: MB-66213 TestCode: EPA Method 8015M/D: Diesel Range Organics SampType: MBLK Client ID: PBS Batch ID: 66213 RunNo: 86542 Prep Date: 3/16/2022 Analysis Date: 3/17/2022 SeqNo: 3055286 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 51.1 141

5.000

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2203832 25-Mar-22**

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: Ics-66221 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 66221 RunNo: 86561

Prep Date: 3/16/2022 Analysis Date: 3/17/2022 SeqNo: 3054912 Units: mg/Kg

PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual Analyte Result LowLimit Gasoline Range Organics (GRO) 0 29 5.0 25.00 116 78.6 131 Surr: BFB 2300 1000 232 130 S

Sample ID: mb-66221 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 66221 RunNo: 86561

Prep Date: 3/16/2022 Analysis Date: 3/17/2022 SeqNo: 3054914 Units: mg/Kg

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

Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 1000 1000 103 70 130

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2203832**

25-Mar-22

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: Ics-66221 Client ID: LCSS	•	Гуре: LC h ID: 66 2		TestCode: EPA Method RunNo: 86561			d 8021B: Volatiles					
Prep Date: 3/16/2022	Analysis D	Date: 3/	17/2022	SeqNo: 3054937			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	0.89	0.025	1.000	0	88.6	80	120					
Toluene	0.90	0.050	1.000	0	90.2	80	120					
Ethylbenzene	0.91	0.050	1.000	0	90.6	80	120					
Xylenes, Total	2.7	0.10	3.000	0	90.6	80	120					
Surr: 4-Bromofluorobenzene	0.90		1.000		90.1	70	130					

Sample ID: mb-66221	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batcl	n ID: 66	221	RunNo: 86561						
Prep Date: 3/16/2022	Analysis D)ate: 3/	17/2022	SeqNo: 3054938			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		87.4	70	130			

Sample ID: 2203832-001ams	SampT	уре: М	3	Tes	tCode: EI	PA Method	8021B: Volat	iles			
Client ID: BH-8	Batch	n ID: 66 2	221	F	RunNo: 8	6561					
Prep Date: 3/16/2022	Analysis D)ate: 3/	17/2022	SeqNo: 3054943			Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.96	0.12	0.9615	0	100	68.8	120				
Toluene	0.99	0.24	0.9615	0	103	73.6	124				
Ethylbenzene	1.1	0.24	0.9615	0.08622	108	72.7	129				
Xylenes, Total	3.1	0.48	2.885	0	108	75.7	126				
Surr: 4-Bromofluorobenzene	4.4		4.808		91.2	70	130				

Sample ID: 2203832-001amsd	SampT	ype: MS	SD	TestCode: EPA Method 8021B: Volatiles						
Client ID: BH-8	Batch	ID: 66 2	221	F	RunNo: 80	6561				
Prep Date: 3/16/2022	Analysis D	ate: 3/	17/2022	S	SeqNo: 30	054944	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.87	0.12	0.9524	0	91.0	68.8	120	10.6	20	•
Toluene	0.93	0.24	0.9524	0	97.3	73.6	124	6.85	20	
Ethylbenzene	1.0	0.24	0.9524	0.08622	99.4	72.7	129	8.31	20	
Xylenes, Total	2.9	0.48	2.857	0	100	75.7	126	8.30	20	
Surr: 4-Bromofluorobenzene	4.3		4.762		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
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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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 Nur	mber: 2203832		RcptNo: 1
Received By: Tracy Casarrubias	3/16/2022 8:00:00) AM		
Completed By: Tracy Casarrubias	3/16/2022 9:16:58			
Reviewed By: 10 3/16/22				
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) properl	y 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 🔽
0. Were any sample containers received broke	1?	Yes	No 🔽	
4.0				# of preserved bottles checked
Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 🗸	No 🗌	for pH:
2. Are matrices correctly identified on Chain of 0	Custody?	Yes 🗸	No 🗌	(<2 or >12 unless noted) Adjusted?
3. Is it clear what analyses were requested?		Yes 🗸	No 🗆	/ 101 011
4. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes 🗸	No 🗌	checked by: W/ 3/16
pecial Handling (if applicable)				0. 1
5. Was client notified of all discrepancies with the	nis order?	Yes	No 🗌	NA 🗹
Person Notified:				NA 🖭
By Whom:	Date:	1	Phono D. C.	
Regarding:	via.	eMail	Phone Fax	In Person
Client Instructions:				
6. Additional remarks:				
7. Cooler Information Cooler No Temp °C Condition Sea	al Intact Seal No	Seal Date	Signed By	



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

April 04, 2022

Tom Larson GHD Midland 2135 S Loop 250 W Midland, TX 79703

TEL: (432) 686-0086

FAX:

RE: Gerard AW Battery OrderNo.: 2203A87

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 10 sample(s) on 3/19/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order **2203A87**

Date Reported: 4/4/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: Ramp-1

 Project:
 Gerard AW Battery
 Collection Date: 3/17/2022 4:45:00 PM

 Lab ID:
 2203A87-001
 Matrix: SOIL
 Received Date: 3/19/2022 9:50:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	510	60	mg/Kg	20	3/24/2022 4:22:11 PM	66379
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	3/22/2022 11:41:06 AM	66285
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	3/22/2022 11:41:06 AM	66285
Surr: DNOP	89.5	51.1-141	%Rec	1	3/22/2022 11:41:06 AM	66285
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	3/21/2022 8:58:46 PM	66280
Surr: BFB	109	37.7-212	%Rec	1	3/21/2022 8:58:46 PM	66280
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	3/21/2022 8:58:46 PM	66280
Toluene	ND	0.050	mg/Kg	1	3/21/2022 8:58:46 PM	66280
Ethylbenzene	ND	0.050	mg/Kg	1	3/21/2022 8:58:46 PM	66280
Xylenes, Total	ND	0.10	mg/Kg	1	3/21/2022 8:58:46 PM	66280
Surr: 4-Bromofluorobenzene	97.7	70-130	%Rec	1	3/21/2022 8:58:46 PM	66280

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

Qualifiers:

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

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Lab Order **2203A87**

Date Reported: 4/4/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-7

 Project:
 Gerard AW Battery
 Collection Date: 3/17/2022 4:49:00 PM

 Lab ID:
 2203A87-002
 Matrix: SOIL
 Received Date: 3/19/2022 9:50:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	ND	61	mg/Kg	20	3/24/2022 4:34:36 PM	66379
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	3/22/2022 11:51:36 AM	66285
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	3/22/2022 11:51:36 AM	66285
Surr: DNOP	81.4	51.1-141	%Rec	1	3/22/2022 11:51:36 AM	66285
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	3/21/2022 11:19:41 PM	66280
Surr: BFB	108	37.7-212	%Rec	1	3/21/2022 11:19:41 PM	66280
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.024	mg/Kg	1	3/21/2022 11:19:41 PM	66280
Toluene	ND	0.048	mg/Kg	1	3/21/2022 11:19:41 PM	66280
Ethylbenzene	ND	0.048	mg/Kg	1	3/21/2022 11:19:41 PM	66280
Xylenes, Total	ND	0.097	mg/Kg	1	3/21/2022 11:19:41 PM	66280
Surr: 4-Bromofluorobenzene	96.9	70-130	%Rec	1	3/21/2022 11:19:41 PM	66280

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

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Lab Order 2203A87

Date Reported: 4/4/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-9

 Project:
 Gerard AW Battery
 Collection Date: 3/17/2022 4:53:00 PM

 Lab ID:
 2203A87-003
 Matrix: SOIL
 Received Date: 3/19/2022 9:50:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	ND	60	mg/Kg	20	3/24/2022 4:47:01 PM	66379
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	3/22/2022 12:02:06 PM	66285
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	3/22/2022 12:02:06 PM	66285
Surr: DNOP	75.7	51.1-141	%Rec	1	3/22/2022 12:02:06 PM	66285
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	3/22/2022 12:29:54 AM	66280
Surr: BFB	104	37.7-212	%Rec	1	3/22/2022 12:29:54 AM	66280
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.025	mg/Kg	1	3/22/2022 12:29:54 AM	66280
Toluene	ND	0.049	mg/Kg	1	3/22/2022 12:29:54 AM	66280
Ethylbenzene	ND	0.049	mg/Kg	1	3/22/2022 12:29:54 AM	66280
Xylenes, Total	ND	0.098	mg/Kg	1	3/22/2022 12:29:54 AM	66280
Surr: 4-Bromofluorobenzene	94.6	70-130	%Rec	1	3/22/2022 12:29:54 AM	66280

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

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Lab Order 2203A87

Date Reported: 4/4/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-10

 Project:
 Gerard AW Battery
 Collection Date: 3/17/2022 4:57:00 PM

 Lab ID:
 2203A87-004
 Matrix: SOIL
 Received Date: 3/19/2022 9:50:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	310	61	mg/Kg	20	3/24/2022 5:49:02 PM	66379
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	3/22/2022 12:12:39 PM	66285
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	3/22/2022 12:12:39 PM	66285
Surr: DNOP	83.5	51.1-141	%Rec	1	3/22/2022 12:12:39 PM	66285
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	3/22/2022 12:53:16 AM	66280
Surr: BFB	105	37.7-212	%Rec	1	3/22/2022 12:53:16 AM	66280
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.024	mg/Kg	1	3/22/2022 12:53:16 AM	66280
Toluene	ND	0.048	mg/Kg	1	3/22/2022 12:53:16 AM	66280
Ethylbenzene	ND	0.048	mg/Kg	1	3/22/2022 12:53:16 AM	66280
Xylenes, Total	ND	0.096	mg/Kg	1	3/22/2022 12:53:16 AM	66280
Surr: 4-Bromofluorobenzene	95.2	70-130	%Rec	1	3/22/2022 12:53:16 AM	66280

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

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Lab Order **2203A87**

Date Reported: 4/4/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-11

 Project:
 Gerard AW Battery
 Collection Date: 3/17/2022 5:00:00 PM

 Lab ID:
 2203A87-005
 Matrix: SOIL
 Received Date: 3/19/2022 9:50:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	330	60	mg/Kg	20	3/24/2022 6:01:27 PM	66379
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	3/22/2022 12:23:12 PM	66285
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	3/22/2022 12:23:12 PM	66285
Surr: DNOP	100	51.1-141	%Rec	1	3/22/2022 12:23:12 PM	66285
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	3/22/2022 1:16:36 AM	66280
Surr: BFB	105	37.7-212	%Rec	1	3/22/2022 1:16:36 AM	66280
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.024	mg/Kg	1	3/22/2022 1:16:36 AM	66280
Toluene	ND	0.049	mg/Kg	1	3/22/2022 1:16:36 AM	66280
Ethylbenzene	ND	0.049	mg/Kg	1	3/22/2022 1:16:36 AM	66280
Xylenes, Total	ND	0.098	mg/Kg	1	3/22/2022 1:16:36 AM	66280
Surr: 4-Bromofluorobenzene	95.7	70-130	%Rec	1	3/22/2022 1:16:36 AM	66280

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

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Lab Order 2203A87

Date Reported: 4/4/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-12

 Project:
 Gerard AW Battery
 Collection Date: 3/17/2022 5:04:00 PM

 Lab ID:
 2203A87-006
 Matrix: SOIL
 Received Date: 3/19/2022 9:50:00 AM

Analyses	Result	PQL (Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	510	60	mg/Kg	20	3/24/2022 6:13:52 PM	66379
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	3/22/2022 12:33:45 PM	66300
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	3/22/2022 12:33:45 PM	66300
Surr: DNOP	72.0	51.1-141	%Rec	1	3/22/2022 12:33:45 PM	66300
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	3/22/2022 1:39:58 AM	66280
Surr: BFB	107	37.7-212	%Rec	1	3/22/2022 1:39:58 AM	66280
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.024	mg/Kg	1	3/22/2022 1:39:58 AM	66280
Toluene	ND	0.048	mg/Kg	1	3/22/2022 1:39:58 AM	66280
Ethylbenzene	ND	0.048	mg/Kg	1	3/22/2022 1:39:58 AM	66280
Xylenes, Total	ND	0.096	mg/Kg	1	3/22/2022 1:39:58 AM	66280
Surr: 4-Bromofluorobenzene	97.6	70-130	%Rec	1	3/22/2022 1:39:58 AM	66280

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

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Lab Order **2203A87**

Date Reported: 4/4/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-13

 Project:
 Gerard AW Battery
 Collection Date: 3/17/2022 5:08:00 PM

 Lab ID:
 2203A87-007
 Matrix: SOIL
 Received Date: 3/19/2022 9:50:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	1100	60	mg/Kg	20	3/24/2022 6:26:17 PM	66379
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	3/22/2022 12:44:19 PM	66300
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	3/22/2022 12:44:19 PM	66300
Surr: DNOP	79.2	51.1-141	%Rec	1	3/22/2022 12:44:19 PM	66300
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	3/22/2022 2:03:16 AM	66280
Surr: BFB	105	37.7-212	%Rec	1	3/22/2022 2:03:16 AM	66280
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.024	mg/Kg	1	3/22/2022 2:03:16 AM	66280
Toluene	ND	0.048	mg/Kg	1	3/22/2022 2:03:16 AM	66280
Ethylbenzene	ND	0.048	mg/Kg	1	3/22/2022 2:03:16 AM	66280
Xylenes, Total	ND	0.096	mg/Kg	1	3/22/2022 2:03:16 AM	66280
Surr: 4-Bromofluorobenzene	94.8	70-130	%Rec	1	3/22/2022 2:03:16 AM	66280

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

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Lab Order **2203A87**

Date Reported: 4/4/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-14

 Project:
 Gerard AW Battery
 Collection Date: 3/17/2022 5:12:00 PM

 Lab ID:
 2203A87-008
 Matrix: SOIL
 Received Date: 3/19/2022 9:50:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	2100	60	mg/Kg	20	3/24/2022 6:38:42 PM	66379
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	3/22/2022 12:54:53 PM	66300
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	3/22/2022 12:54:53 PM	66300
Surr: DNOP	77.0	51.1-141	%Rec	1	3/22/2022 12:54:53 PM	66300
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	3/22/2022 2:26:36 AM	66280
Surr: BFB	107	37.7-212	%Rec	1	3/22/2022 2:26:36 AM	66280
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.025	mg/Kg	1	3/22/2022 2:26:36 AM	66280
Toluene	ND	0.050	mg/Kg	1	3/22/2022 2:26:36 AM	66280
Ethylbenzene	ND	0.050	mg/Kg	1	3/22/2022 2:26:36 AM	66280
Xylenes, Total	ND	0.099	mg/Kg	1	3/22/2022 2:26:36 AM	66280
Surr: 4-Bromofluorobenzene	95.1	70-130	%Rec	1	3/22/2022 2:26:36 AM	66280

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

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Lab Order 2203A87

Date Reported: 4/4/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-15

 Project:
 Gerard AW Battery
 Collection Date: 3/17/2022 5:16:00 PM

 Lab ID:
 2203A87-009
 Matrix: SOIL
 Received Date: 3/19/2022 9:50:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	1500	60	mg/Kg	20	3/24/2022 6:51:07 PM	66379
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	3/22/2022 1:05:28 PM	66300
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	3/22/2022 1:05:28 PM	66300
Surr: DNOP	79.0	51.1-141	%Rec	1	3/22/2022 1:05:28 PM	66300
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	3/22/2022 2:49:52 AM	66280
Surr: BFB	106	37.7-212	%Rec	1	3/22/2022 2:49:52 AM	66280
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.025	mg/Kg	1	3/22/2022 2:49:52 AM	66280
Toluene	ND	0.050	mg/Kg	1	3/22/2022 2:49:52 AM	66280
Ethylbenzene	ND	0.050	mg/Kg	1	3/22/2022 2:49:52 AM	66280
Xylenes, Total	ND	0.10	mg/Kg	1	3/22/2022 2:49:52 AM	66280
Surr: 4-Bromofluorobenzene	96.8	70-130	%Rec	1	3/22/2022 2:49:52 AM	66280

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

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Lab Order **2203A87**

Date Reported: 4/4/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: Ramp-2

 Project:
 Gerard AW Battery
 Collection Date: 3/17/2022 5:20:00 PM

 Lab ID:
 2203A87-010
 Matrix: SOIL
 Received Date: 3/19/2022 9:50:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: MRA
Chloride	470	60	mg/K	20	3/24/2022 7:03:32 PM	66379
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.7	mg/K	g 1	3/22/2022 1:16:04 PM	66300
Motor Oil Range Organics (MRO)	ND	49	mg/K	g 1	3/22/2022 1:16:04 PM	66300
Surr: DNOP	76.0	51.1-141	%Red	: 1	3/22/2022 1:16:04 PM	66300
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/K	j 1	3/22/2022 3:13:12 AM	66280
Surr: BFB	104	37.7-212	%Red	: 1	3/22/2022 3:13:12 AM	66280
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/K	g 1	3/22/2022 3:13:12 AM	66280
Toluene	ND	0.050	mg/K	g 1	3/22/2022 3:13:12 AM	66280
Ethylbenzene	ND	0.050	mg/K	g 1	3/22/2022 3:13:12 AM	66280
Xylenes, Total	ND	0.099	mg/K	g 1	3/22/2022 3:13:12 AM	66280
Surr: 4-Bromofluorobenzene	93.6	70-130	%Red	: 1	3/22/2022 3:13:12 AM	66280

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2203A87 04-Apr-22**

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: MB-66379 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 66379 RunNo: 86744

Prep Date: 3/24/2022 Analysis Date: 3/24/2022 SeqNo: 3062850 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-66379 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 66379 RunNo: 86744

Prep Date: 3/24/2022 Analysis Date: 3/24/2022 SeqNo: 3062851 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 94.9 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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2203A87**

04-Apr-22

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: 2203A87-006AMS	SampT	ype: MS	3	Tes	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: BH-12	Batch	ID: 663	300	R	RunNo: 80	6644				
Prep Date: 3/21/2022	Analysis D	ate: 3/ 2	22/2022	S	SeqNo: 30	058992	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	9.6	48.22	6.598	78.7	36.1	154			
Surr: DNOP	3.4		4.822		70.8	51.1	141			
Sample ID: 2202 A97 006 AMS	n SamaT	vno: MS	·n	Tos	Codo: El	DA Mothod	901EM/D: Di	ocal Bang	Organias	•

Sample ID: 2203A87-006AMSD	Sampiy	/pe: IVIS	טפ	res	(Code: El	A Method	8015NI/D: DIE	sei Range	Organics	
Client ID: BH-12	Batch	ID: 66	300	F	RunNo: 80	6644				
Prep Date: 3/21/2022	Analysis Da	ate: 3/	22/2022	S	SeqNo: 30	058993	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52	10	49.75	6.598	90.9	36.1	154	15.1	33.9	
Surr: DNOP	4.2		4.975		84.9	51.1	141	0	0	

Sample ID: LCS-66285	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: LCSS	Batch	n ID: 66 2	285	F	RunNo: 8	6644				
Prep Date: 3/21/2022	Analysis D)ate: 3/	22/2022	8	SeqNo: 3	058999	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	89.6	68.9	135			
Surr: DNOP	3.7		5.000		74.7	51.1	141			

Sample ID: LCS-66300	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batch	ID: 66	300	F	RunNo: 8	6644				
Prep Date: 3/21/2022	Analysis D	ate: 3/	22/2022	S	SeqNo: 3	059000	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	91.3	68.9	135			
Surr: DNOP	3.8		5.000		76.8	51.1	141			

Sample ID: MB-66285	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batch	n ID: 66 2	285	F	RunNo: 8	6644				
Prep Date: 3/21/2022	Analysis D)ate: 3/	22/2022	S	SeqNo: 3	059002	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.8		10.00		88.2	51.1	141			

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix

. ...

- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical 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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2203A87 04-Apr-22**

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: MB-66300 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: PBS Batch ID: 66300 RunNo: 86644

Prep Date: 3/21/2022 Analysis Date: 3/22/2022 SeqNo: 3059003 Units: mg/Kg

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

Diesel Range Organics (DRO) ND 10

Motor Oil Range Organics (MRO) ND 50

Surr: DNOP 8.8 10.00 88.4 51.1 141

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: 2203A87

04-Apr-22

Client: GHD Midland **Project:** Gerard AW Battery

Sample ID: mb-66280 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 66280 RunNo: 86621

Prep Date: 3/20/2022 Analysis Date: 3/21/2022 SeqNo: 3057897 Units: mg/Kg

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

Gasoline Range Organics (GRO) NΩ 5.0

Surr: BFB 1100 1000 106 37.7 212

Sample ID: 2203a87-001ams SampType: MS TestCode: EPA Method 8015D: Gasoline Range

Client ID: Ramp-1 Batch ID: 66280 RunNo: 86621

Prep Date: 3/20/2022 Analysis Date: 3/21/2022 SeqNo: 3057900 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 70 Gasoline Range Organics (GRO) 30 5.0 24.78 O 122 130 Surr: BFB 2400 S

247

37 7

212

Sample ID: 2203a87-001amsd SampType: MSD TestCode: EPA Method 8015D: Gasoline Range

9911

Client ID: Ramp-1 Batch ID: 66280 RunNo: 86621

Prep Date: 3/20/2022 Analysis Date: 3/21/2022 SeqNo: 3057901 Units: mg/Kg

Result %RPD **RPDLimit** SPK value SPK Ref Val %REC HighLimit Qual Analyte PQL LowLimit Gasoline Range Organics (GRO) 32 4.9 24.65 0 131 70 130 7.05 20 S Surr: BFB S 2600 986.2 262 212 0 0 37.7

Sample ID: Ics-66280 TestCode: EPA Method 8015D: Gasoline Range SampType: LCS

Client ID: LCSS Batch ID: 66280 RunNo: 86621

Prep Date: 3/20/2022 Analysis Date: 3/21/2022 SeqNo: 3057968 Units: mg/Kg Result SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** PQL LowLimit Qual Gasoline Range Organics (GRO) 25 5.0 25.00 101 72.3 137 Surr: BFB 2200 1000 224 37.7 212 S

Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded Н

Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix interference

Analyte detected in the associated Method Blank

Estimated value

Analyte detected below quantitation limits

Sample pH Not In Range

RL Reporting Limit Page 14 of 15

Hall Environmental Analysis Laboratory, Inc.

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WO#: 2203A87

04-Apr-22

Client: GHD Midland **Project:** Gerard AW Battery

Sample ID: mb-66280 SampType: MBLK TestCode: EPA Method 8021B: Volatiles Client ID: PBS Batch ID: 66280 RunNo: 86621 Prep Date: 3/20/2022 Analysis Date: 3/21/2022 SeqNo: 3057943 Units: mg/Kg SPK value SPK Ref Val %REC %RPD **RPDLimit** Analyte Result PQL LowLimit HighLimit Qual Benzene ND 0.025 ND 0.050 0.050 ND

Toluene Ethylbenzene Xylenes, Total ND 0.10

Surr: 4-Bromofluorobenzene 0.96 1.000 95.6 70 130

0.9775

Sample ID: LCS-66280 SampType: LCS TestCode: EPA Method 8021B: Volatiles Client ID: LCSS Batch ID: 66280 RunNo: 86621 Analysis Date: 3/21/2022 SeaNo: 3057945 Prep Date: 3/20/2022 Units: mg/Kg PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 0.025 1.000 U 80 0.85 85.3 120 Benzene Toluene 0.91 0.050 1.000 0 91.1 80 120 0 92.0 80 120 0.92 0.050 1.000 Ethylbenzene 0 92.6 Xylenes, Total 2.8 0.10 3.000 80 120 130 Surr: 4-Bromofluorobenzene 10 1.000 101 70

Sample ID: 2203a87-002ams SampType: MS TestCode: EPA Method 8021B: Volatiles Client ID: SW-7 Batch ID: 66280 RunNo: 86621 Prep Date: 3/20/2022 Analysis Date: 3/21/2022 SeqNo: 3057956 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 0.024 93.6 68.8 0.91 0.9775 120 Benzene n Toluene 0.98 0.049 0.9775 0 99.8 73.6 124 0.9775 0 103 72.7 129 Ethylbenzene 1.0 0.049Xylenes, Total 3.0 0.098 2.933 0 104 75.7 126

TestCode: EPA Method 8021B: Volatiles Sample ID: 2203a87-002amsd SampType: MSD Client ID: SW-7 Batch ID: 66280 RunNo: 86621 Prep Date: 3/20/2022 Analysis Date: 3/22/2022 SeqNo: 3057958 Units: mg/Kg SPK value SPK Ref Val %REC %RPD **RPDLimit** Analyte Result PQL LowLimit HighLimit Qual 0.82 0.024 0.9775 0 84.0 68.8 120 10.8 20 Benzene Toluene 0.88 0.049 0.9775 0 90.2 73.6 124 10.1 20 Ethylbenzene 0.90 0.049 0.9775 0 92.0 72.7 129 117 20 Xylenes, Total 2.7 0.098 2.933 0 92.3 75.7 126 11.5 20 0 Surr: 4-Bromofluorobenzene 0.95 0.9775 96.9 70 130 0

Qualifiers:

- Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix

Surr: 4-Bromofluorobenzene

- Holding times for preparation or analysis exceeded Н
- Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference
- Analyte detected in the associated Method Blank

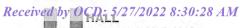
102

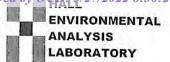
130

70

- Estimated value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Page 15 of 15





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 Nun	nber: 2203A87		RcptNo:	1
Received By: Isaiah Ortiz	3/19/2022 9:50:00	АМ	I,C	4	
Completed By: Isaiah Ortiz	3/19/2022 10:52:3	5 AM	TLO	L.C.	
Reviewed By: (N 03/19/2022					
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 sar	mples?	Yes 🗸	No 🗌	NA 🗆	
4. Were all samples received at a temperature	erature 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)		Yes 🗸	No 🗆		
8. Was preservative added to bottles?		Yes 🗌	No 🗹	NA 🗆	
9. Received at least 1 vial with headspace	ce <1/4" for AQ VOA?	Yes	No 🗆	NA 🗹	73
10. Were any sample containers received	l broken?	Yes	No 🔽		(0
11. Does paperwork match bottle labels? (Note discrepancies on chain of custo	dvA	Yes 🗹	No 🗆	# of preserved bottles checked for pH:	3/19/22
2. Are matrices correctly identified on Ch	1.5/1	Yes 🗸	No 🗆	Adjusted?	>12 unless noted)
3. Is it clear what analyses were requeste		Yes 🗸	No 🗆		
4. Were all holding times able to be met? (If no, notify customer for authorization		Yes 🔽	No 🗆	Checked by:	
Special Handling (if applicable)					
15. Was client notified of all discrepancies	s with this order?	Yes 🗌	No 🗌	NA 🔽	
Person Notified:	Date				
By Whom:	Via:	eMail P	hone Fax	☐ In Person	
Regarding:					
Client Instructions:					
16. Additional remarks:					
7. Cooler Information					
Cooler No Temp °C Condition	The second secon	Seal Date	Signed By		
1 4.0 Good	Yes				

Address:	1			Citalii-0i-Custody Record	plinoly-lilin i					_			FEEL	L		
Project Name: Project Name: Project Name: Project Name:	Client:	GHD			☑ Standard		h 5 Day	4 -	I			, 	Z	Y I V		STAL
Second Mideland, TX 79703					Project Nam							1	9			2014
1 1 1 1 1 1 1 1 1 1	Mailing	Addres	S:		Gerard	AW By	Hery		490	Haw	kins A		Albira	menta	I.com NM 87109	
House Ho	2135 S	Loop 2	50 W. Mi	dland, TX 79703	Project #:				<u>e</u>	505-	345-3		Fax	505-3	45-4107	
Decky, Haskell@ghd.com	Phone	#	(432) 68	98-0086	2211	9462						Ā	alysis	Regu	est	
Decky Haskell Sampler: Heath Boyd Matrix Sample Name Type and # Type	email o	r Fax#:	Becky. F	laskell@ghd.com	Project Mana	iger:		((0	H		Ť	70			
Devel 4 (Full Validation) Tom Larson Sampler: Heath Boyd Dinker Sampler: Heath Boyd Dinker Matrix Sample Name Matrix Sample Name Type and # Type 2263 M/87 Matrix Sw - 10 Container Preservative HEAL No. Matrix Sw - 10 Container Preservative Color Matrix Sw - 10 Container Preservative Color Matrix Sw - 10 Container Matrix Color Color Matrix Color Co	QAVQC	Package			Becky Haske	=		120	_	S.S	SI		10 "			
Daz Compliance Sampler: Heath Boyd Dince: X Yes	□ Star	ndard		☐ Level 4 (Full Validation)	Tom Larson			8) s,	- Y	324	WIS		۲O4			
Matrix Sample Name Type and # Type Cooler Templimending op; 40°±0 Container Preservative HEAL No. Type and # Type Cooler Templimending op; 40°±0 South of the cooler Templimending op; 40°±0 South of the cooler Templimending op; 40°±0 Cooler Templimending op; 40°±0 South of the cooler Templimending op; 40°±0 South of the cooler Templimending op; 40°±0 South of the cooler Templimend op; 60°±0 South o	Accred	itation:	□ Az C	ompliance	Sampler:	Heath Boyd		amt					405,			
Matrix Sample Name Freservative HEAL No. Sample Name Type and # Type 2203 M87 Barbon Sw - 7 W. M.	□ NEL	AC	□ Othe	1.	On Ice:	X Yes	oN □	1					d 4			
Matrix Sample Name Cooler Temp(notating of): 40~±○ Matrix Sample Name Type and # Type 2203 M 87		(Type)			# of Coolers:			38				_		OV.	IVI (
Matrix Sample Name					Cooler Temp		0.70	TM				_		-ime	300	
S S Damp - 1 40x, Les 1 11/4 001 × S S Damp - 1 40x, Les 1 11/4 0007 × S S Damp - 1 1 0004 × S Damp - 2 1 0004 × Relinquished by: Relinquished by: Received by: Via: Date Time	Date	Time			Container Type and #	Preservative Type		BIEX \						S) 0728	nioride	
SW-7	3/1/5		-		Yoz. Jas/	MIR	100	乂				-	-			
SW - 9				7			Ø	又	X					~		
SW - 10		1653		(E@3		1					_		
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Received by: Via: Date Time	2	Time: 1830	Relinquish	ed by:	Received by:	Via:		ıc.	emark	ks: Ple	sase (email:	Chase	Settl ach.C	e@eogreso omino@ghc	urces.com;
700000000000000000000000000000000000000	Hyp.	Time:	Relinquish GAL	ed by:	Received by:	Via:	:		Неаг	n.Boy	d@g Dire	d.cor	abo to EO	g with ve. 3 Chas	Becky Hask se Settle	cell listed



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

April 05, 2022

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

FAX:

RE: Gerard AW Battery

OrderNo.: 2203D66

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/25/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report Lab Order **2203D66**

Date Reported: 4/5/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Client Sample ID:** BH-19

Collection Date: 3/21/2022 11:30:00 AM Project: Gerard AW Battery 2203D66-001 **Received Date:** 3/25/2022 7:23:00 AM Lab ID: Matrix: SOIL

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	1900	60	mg/Kg	20	3/31/2022 3:12:51 PM	66532
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	SB
Diesel Range Organics (DRO)	500	9.9	mg/Kg	1	3/30/2022 4:17:27 AM	66433
Motor Oil Range Organics (MRO)	220	50	mg/Kg	1	3/30/2022 4:17:27 AM	66433
Surr: DNOP	86.8	51.1-141	%Rec	1	3/30/2022 4:17:27 AM	66433
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	3/30/2022 9:01:23 AM	66416
Surr: BFB	116	37.7-212	%Rec	1	3/30/2022 9:01:23 AM	66416
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.025	mg/Kg	1	3/30/2022 9:01:23 AM	66416
Toluene	ND	0.050	mg/Kg	1	3/30/2022 9:01:23 AM	66416
Ethylbenzene	ND	0.050	mg/Kg	1	3/30/2022 9:01:23 AM	66416
Xylenes, Total	ND	0.099	mg/Kg	1	3/30/2022 9:01:23 AM	66416
Surr: 4-Bromofluorobenzene	98.9	70-130	%Rec	1	3/30/2022 9:01:23 AM	66416

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
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference
- Analyte detected in the associated Method Blank
- Е Estimated value
- Analyte detected below quantitation limits
- P Sample pH Not In Range
- Reporting Limit

Page 1 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#: **2203D66 05-Apr-22**

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: MB-66532 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 66532 RunNo: 86885

Prep Date: 3/31/2022 Analysis Date: 3/31/2022 SeqNo: 3070545 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-66532 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 66532 RunNo: 86885

Prep Date: 3/31/2022 Analysis Date: 3/31/2022 SeqNo: 3070546 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 94.8 90 110

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- 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

Page 2 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#: **2203D66** *05-Apr-22*

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: LCS-66433	SampT	ype: LC	S	Tes	TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 66433			F	RunNo: 8	6803						
Prep Date: 3/28/2022	Analysis D	ate: 3/	29/2022	SeqNo: 3066789 Units: mg/Kg				(g				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Diesel Range Organics (DRO)	44	10	50.00	0	87.8	68.9	135					
Surr: DNOP	3.8		5.000		75.1	51.1	141					
Sample ID: I CS-66443	SamnTyne: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics											

Sample ID: LCS-66443	SampT	SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics							e Organics			
Client ID: LCSS	Batch	n ID: 66	443	RunNo: 86803								
Prep Date: 3/28/2022	Analysis D	ate: 3/	/29/2022	8	SeqNo: 3066791 Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Surr: DNOP	5.0		5.000		101	51.1	141					

Sample ID: MB-66433	SampT	уре: МЕ	BLK	Tes	tCode: El	EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch	1D: 66 4	433	F	RunNo: 80	6803							
Prep Date: 3/28/2022	Analysis D	ate: 3/2	29/2022	SeqNo: 3066793 Units: mg/Kg									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Diesel Range Organics (DRO)	ND	10											
Motor Oil Range Organics (MRO)	ND	50											
Surr: DNOP	9.0		10.00		90.2	51.1	141						

Sample ID: MB-66443	SampT	уре: М	BLK	TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch	ID: 66	443	RunNo: 86803						
Prep Date: 3/28/2022	Analysis D	ate: 3/	29/2022	SeqNo: 3066795 Units: %Rec						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10		10.00		99.6	51.1	141			

Qualifiers:

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

Page 3 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#: **2203D66 05-Apr-22**

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: mb-66416 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 66416 RunNo: 86824

Prep Date: 3/25/2022 Analysis Date: 3/29/2022 SeqNo: 3066214 Units: mg/Kg

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

Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 970 1000 97.0 37.7 212

Sample ID: Ics-66416 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 66416 RunNo: 86824

Prep Date: 3/25/2022 Analysis Date: 3/29/2022 SeqNo: 3066215 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 27 72.3 Gasoline Range Organics (GRO) 5.0 25.00 0 109 137 Surr: BFB 2100 1000 209 37.7 212

Qualifiers:

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

Page 4 of 5

Hall Environmental Analysis Laboratory, Inc.

1.0

WO#: **2203D66** *05-Apr-22*

Qual

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: mb-66416 SampType: MBLK TestCode: EPA Method 8021B: Volatiles PBS RunNo: 86824 Client ID: Batch ID: 66416 Prep Date: 3/25/2022 Analysis Date: 3/29/2022 SeqNo: 3066262 Units: mg/Kg PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Analyte Result

 Benzene
 ND
 0.025

 Toluene
 ND
 0.050

 Ethylbenzene
 ND
 0.050

 Xylenes, Total
 ND
 0.10

Surr: 4-Bromofluorobenzene 0.98 1.000 98.0 70 130

1.000

SampType: LCS Sample ID: LCS-66416 TestCode: EPA Method 8021B: Volatiles Client ID: LCSS Batch ID: 66416 RunNo: 86824 Units: mg/Kg Prep Date: Analysis Date: 3/29/2022 SeqNo: 3066263 3/25/2022 PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 0.88 0.025 1.000 0 88.3 80 120 Benzene Toluene 0.91 0.050 1.000 0 91.4 80 120 0.93 0.050 0 93.4 80 120 Ethylbenzene 1.000 2.8 0.10 3.000 0 93.7 80 120 Xylenes, Total

101

70

130

Qualifiers:

- Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix

Surr: 4-Bromofluorobenzene

- 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

Page 5 of 5



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: 2203D66 RcptNo: 1 Received By: Cheyenne Cason 3/25/2022 7:23:00 AM Completed By: Sean Livingston 3/25/2022 8:51:07 AM Reviewed By: 3/25/22 The 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 V No 🗌 NA 🗌 Were all samples received at a temperature of >0° C to 6.0°C No 🗌 Yes V NA 🗌 5. Sample(s) in proper container(s)? Yes V No 🗌 6. Sufficient sample volume for indicated test(s)? Yes 🗸 No 🗌 7. Are samples (except VOA and ONG) properly preserved? Yes V No 🗌 8. Was preservative added to bottles? Yes No V NA 🗌 Received at least 1 vial with headspace <1/4" for AQ VOA? Yes No 🗌 NA V 10. Were any sample containers received broken? Yes L No V # of preserved bottles checked 11. Does paperwork match bottle labels? Yes 🗸 No 🗌 for pH: (Note discrepancies on chain of custody) (<2 or >12 unless noted) 12. Are matrices correctly identified on Chain of Custody? Adjusted? Yes 🗸 No 🗌 13. Is it clear what analyses were requested? V Yes No 🗌 Checked by: Jn 3/25/22 14. Were all holding times able to be met? Yes 🗸 No 🗌 (If no, notify customer for authorization.) Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? Yes No 🗌 NA V Person Notified: Date: By Whom: Via: eMail Phone Fax In Person Regarding: Client Instructions: 16. Additional remarks: 17. Cooler Information Cooler No. Temp °C Condition Seal Intact Seal No Seal Date Signed By 1 2.9 Good 2 1.6 Good 3 2.8 Good



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

OrderNo.: 2203D64

April 06, 2022

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

FAX

RE: Gerard AW Battery

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/25/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report Lab Order 2203D64

Date Reported: 4/6/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-17

 Project:
 Gerard AW Battery
 Collection Date: 3/22/2022 12:50:00 PM

 Lab ID:
 2203D64-001
 Matrix: SOIL
 Received Date: 3/25/2022 7:23:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: LRN
Chloride	3400	150		mg/Kg	50	4/1/2022 9:36:42 AM	66532
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS					Analyst	SB
Diesel Range Organics (DRO)	460	9.5		mg/Kg	1	3/30/2022 3:56:05 AM	66433
Motor Oil Range Organics (MRO)	170	47		mg/Kg	1	3/30/2022 3:56:05 AM	66433
Surr: DNOP	83.0	51.1-141		%Rec	1	3/30/2022 3:56:05 AM	66433
EPA METHOD 8015D: GASOLINE RANGE						Analyst	NSB
Gasoline Range Organics (GRO)	24	4.9		mg/Kg	1	3/30/2022 8:37:50 AM	66416
Surr: BFB	327	37.7-212	S	%Rec	1	3/30/2022 8:37:50 AM	66416
EPA METHOD 8021B: VOLATILES						Analyst	: NSB
Benzene	ND	0.025		mg/Kg	1	3/30/2022 8:37:50 AM	66416
Toluene	ND	0.049		mg/Kg	1	3/30/2022 8:37:50 AM	66416
Ethylbenzene	0.41	0.049		mg/Kg	1	3/30/2022 8:37:50 AM	66416
Xylenes, Total	0.12	0.098		mg/Kg	1	3/30/2022 8:37:50 AM	66416
Surr: 4-Bromofluorobenzene	126	70-130		%Rec	1	3/30/2022 8:37:50 AM	66416

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

Page 1 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#: **2203D64**

06-Apr-22

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: MB-66532 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 66532 RunNo: 86885

Prep Date: 3/31/2022 Analysis Date: 3/31/2022 SeqNo: 3070545 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-66532 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 66532 RunNo: 86885

Prep Date: 3/31/2022 Analysis Date: 3/31/2022 SeqNo: 3070546 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 94.8 90 110

Qualifiers:

* Value exceeds Maximum Contaminant Level.

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2203D64** *06-Apr-22*

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: LCS-66433 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 66433 RunNo: 86803 Prep Date: 3/28/2022 Analysis Date: 3/29/2022 SeqNo: 3066789 Units: mg/Kg Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 10 Diesel Range Organics (DRO) 44 50.00 87.8 68.9 135 Surr: DNOP 5.000 75.1 3.8 51.1 141

Sample ID: MB-66433 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PBS Batch ID: 66433 RunNo: 86803 Prep Date: 3/28/2022 Analysis Date: 3/29/2022 SeqNo: 3066793 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) ND 10 ND 50 Motor Oil Range Organics (MRO) Surr: DNOP 9.0 10.00 90.2 51.1 141

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2203D64**

06-Apr-22

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: mb-66416 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 66416 RunNo: 86824

Prep Date: 3/25/2022 Analysis Date: 3/29/2022 SeqNo: 3066214 Units: mg/Kg

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

Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 970 1000 97.0 37.7 212

Sample ID: Ics-66416 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 66416 RunNo: 86824

Prep Date: 3/25/2022 Analysis Date: 3/29/2022 SeqNo: 3066215 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
 72.3
 137

 Surr: BFB
 2100
 1000
 209
 37.7
 212

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2203D64**

06-Apr-22

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: mb-66416 SampType: MBLK TestCode: EPA Method 8021B: Volatiles Client ID: PBS Batch ID: 66416 RunNo: 86824 Prep Date: 3/25/2022 Analysis Date: 3/29/2022 SeqNo: 3066262 Units: mg/Kg Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual ND 0.025 Benzene ND 0.050 Toluene ND 0.050 Ethylbenzene Xylenes, Total ND 0.10 Surr: 4-Bromofluorobenzene 0.98 1.000 98.0 70 130

Sample ID: LCS-66416	Sampl	ype: LC	s	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batcl	h ID: 66	416	F	RunNo: 8	6824				
Prep Date: 3/25/2022	Analysis [Date: 3/	29/2022	S	SeqNo: 3	066263	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.025	1.000	0	88.3	80	120			
Toluene	0.91	0.050	1.000	0	91.4	80	120			
Ethylbenzene	0.93	0.050	1.000	0	93.4	80	120			
Xylenes, Total	2.8	0.10	3.000	0	93.7	80	120			
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 interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laborators
4901 Hawking SE,
Albuqueequs, NA 87109
1101 - 505:345-3975 F.43, 505-345-4107
Website, ellens, hallengurenmental com-

Sample Log-In Check List

Client Name.	GHD Midi	and	Worl	Order Nun	nber: 220	3D64			ReptNo: 1	
Received By	Cheyenr	ne Cason	3/25/20	022 7:23:00	MA		Chance	2		
Completed By	Sean Liv	ingston	3/25/20	22 8:42:17	AM		<	1	1. A	
Reviewed By	THE		3/25/	22		(7	380	
Chain of Cu	istody				-	1	The same	-	-	
	Custody com	plete?			Yes	1	No	(E)	Not Present	
2. How was th	e sample deli	vered?			Co.					
Log In										
Was an alte	empt made to	cool the samp	oles?		Yes	V	No		NA 🗔	
4. Were all sar	nplas receive	d at a tempera	alure of >0° C	to 6.0°C	Yes	V	No	O.	NA 🖂	
5 Sample(s)	i proper contr	ainer(s)7			Yes	V	No			
6, Sufficient sa	mple volume	lor indicated t	est(s)7		Yes	V	No			
7. Are samples				ed?	Yes	V	No	-		
B. Was presen			Maria Maria	7.6.1	Yes		No	v.	NA 🗆	
Received at	least 1 vial w	th headspace	<1/4" for AQ \	OA7	Yes		No	(2)	NA 🗹	
O Were any sa					Yes		No		- 77	
1 Does papery	vork match bo	xtle labels?			Yes	V	No	3	# of preserved bottles checked for pH.	
(Note discre	pancies on ch	ain of custody						7	(<2 or ≥ 12 lunler	ss noted)
2, Are matrices						V	No		Adjusted?	
3 is it clear wh			17		Yes		No		/ 1	1.
4. Were all hold (If no notify	ting times act customer for:	e to be met? authorization.)			Yes	~	No		Checked by: 1/23	25/12
pecial Hand	lling (if ap)	plicable)						-		
5. Was client i	rollified of all o	liscrepancies	with this order	200	Yes		No.		NA 🗸	
Perso	n Notified:			Date						
By Wh	iom:			Via:	eMa	ail 🗌	Phone 🗌	Fax	n Person	
Regar										
	Instructions									
6 Additional n	emarks									
7. Cooler Info										
Cooler N	and the second second	Condition	Seal Intact	Seal No.	Seal Da	ale	Signed E	y		
1	1.6	Good								
2	1.0									

Children	Chai	n-of-C	Chain-of-Custody Record	Turn-Around Time:	Time:								
Address: Cherace All Cherace Chera	Client: GHD			☐ Standan		2		T.	H A	AL E	N N	N.	DONMENTAL
Time Reinquished by: Recover by: Vie. Vie. Recover by: Vie. Vie				Project Nam				n		1		1	BORALOR
## (432) 586-0086	Mailing Addre	SS.				237	4	901 Ha	WW A	V. nalier	Puron	nenta	Som STING
	2135 S. Loop	250 W. MI	dland, TX 79703					el. 505	345-3	375	Fax	505-3	45-4107
Time Matrix Sample Name Time: Recaved by: Via:	Phone #:	(432) 6	86-0086	11221	9265					Ana	lysis	Redu	est
Decky Haskell Becky Haskell Becky Haskell Becky Haskell Sampler Container Sampler	email or Fax#		-askell@qnd.com	Project Man	ager		_		L	-	Ā.	H	
AC Cother Are Compliance Sampler. Heath Boyd Ac Compliance On lose X Yes Cothers. 3 2.9 -0.2.9 MB Cooler Temperatura or 1.6-0.2.4 MB Cooler Temperatura or 1.6-0.2 MB Cooler Temperatura or 1.6-0.	QA/QC Packag		☐ Level 4 (Full Validation)	Becky Hask Tom Larson	=			_	SWIS	is 'Oa	-		
Time Matrix Sample Name Type and # Type Total Time: 250 5 5 4 7 4 2 2 4 2 2 4 4 4 4	Accreditation:	□ Az C	ompliance	Sampler. On Ice	Heath Boyd	EN C		ZB08/	_	*ON		(/-	
Time Matrix Sample Name Type and # Type Act No. Date Time. Reinquished by: Received by: Vie: Date Time. Received by: Vie: Date Time.	□ EDD (Type	13		# of Coolers	3 29	p 630-	_	səp		_			IAI
Time Matrix Sample Name Type and # Type Type And # Type Type and # Type Type Type Type Type Type Type Type				Cooler Temp		2750-0		ioite		_	_		nne
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Time: Relinquished by: Received by: Via: Date Time 720											1	+	
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Time: Relinquished by: Sale Time 720									1-1			+	
Time Relinquished by: Received by: Vie. Date Time	2/24/24 1780		973.	Received by:	Via:	Date	Ren	Tom.L	lease e	email: 0	hase, Z	Settle Sch.C.	@eogresources.com; omino@ghd.com;
1 July 1981 1733	3		ed by:	Received by:	547.	ate	I	eath.Bo	yd@gl	d.com	Along abov EOG	with e. Chas	Becky Haskell listed

Pleas Emill. Amber - Con Hind Bog resources, com This serves as notice of this possibility. Any sub-contracted data will be donny notated on the analysical report.



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

April 06, 2022

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

FAX

RE: Gerard AW Battery

OrderNo.: 2203D63

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 5 sample(s) on 3/25/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 4/6/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-16

 Project:
 Gerard AW Battery
 Collection Date: 3/23/2022 12:45:00 PM

 Lab ID:
 2203D63-001
 Matrix: SOIL
 Received Date: 3/25/2022 7:23:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	4800	150	mg/Kg	50	4/1/2022 12:17:09 PM	66549
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	1100	49	mg/Kg	5	3/30/2022 6:01:46 PM	66433
Motor Oil Range Organics (MRO)	430	250	mg/Kg	5	3/30/2022 6:01:46 PM	66433
Surr: DNOP	82.2	51.1-141	%Rec	5	3/30/2022 6:01:46 PM	66433
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	34	24	mg/Kg	5	3/30/2022 2:59:52 AM	66416
Surr: BFB	176	37.7-212	%Rec	5	3/30/2022 2:59:52 AM	66416
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.12	mg/Kg	5	3/30/2022 2:59:52 AM	66416
Toluene	ND	0.24	mg/Kg	5	3/30/2022 2:59:52 AM	66416
Ethylbenzene	0.37	0.24	mg/Kg	5	3/30/2022 2:59:52 AM	66416
Xylenes, Total	ND	0.49	mg/Kg	5	3/30/2022 2:59:52 AM	66416
Surr: 4-Bromofluorobenzene	105	70-130	%Rec	5	3/30/2022 2:59:52 AM	66416

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

Page 1 of 9

Date Reported: 4/6/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-18

 Project:
 Gerard AW Battery
 Collection Date: 3/23/2022 1:10:00 PM

 Lab ID:
 2203D63-002
 Matrix: SOIL
 Received Date: 3/25/2022 7:23:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: LRN
Chloride	4700	150		mg/Kg	50	4/1/2022 12:29:30 PM	66549
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS					Analyst	: SB
Diesel Range Organics (DRO)	960	47		mg/Kg	5	3/30/2022 5:50:59 PM	66433
Motor Oil Range Organics (MRO)	370	240		mg/Kg	5	3/30/2022 5:50:59 PM	66433
Surr: DNOP	90.2	51.1-141		%Rec	5	3/30/2022 5:50:59 PM	66433
EPA METHOD 8015D: GASOLINE RANGE						Analyst	: NSB
Gasoline Range Organics (GRO)	67	24		mg/Kg	5	3/30/2022 3:23:27 AM	66416
Surr: BFB	234	37.7-212	S	%Rec	5	3/30/2022 3:23:27 AM	66416
EPA METHOD 8021B: VOLATILES						Analyst	: NSB
Benzene	ND	0.12		mg/Kg	5	3/30/2022 3:23:27 AM	66416
Toluene	ND	0.24		mg/Kg	5	3/30/2022 3:23:27 AM	66416
Ethylbenzene	1.4	0.24		mg/Kg	5	3/30/2022 3:23:27 AM	66416
Xylenes, Total	0.56	0.48		mg/Kg	5	3/30/2022 3:23:27 AM	66416
Surr: 4-Bromofluorobenzene	113	70-130		%Rec	5	3/30/2022 3:23:27 AM	66416

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

pple pH Not In Range Page 2 of 9

Date Reported: 4/6/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-20

 Project:
 Gerard AW Battery
 Collection Date: 3/23/2022 2:15:00 PM

 Lab ID:
 2203D63-003
 Matrix: SOIL
 Received Date: 3/25/2022 7:23:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	1700	60	mg/Kg	20	4/1/2022 5:24:42 AM	66549
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	3/30/2022 3:02:43 AM	66433
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	3/30/2022 3:02:43 AM	66433
Surr: DNOP	65.6	51.1-141	%Rec	1	3/30/2022 3:02:43 AM	66433
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	3/30/2022 3:47:02 AM	66416
Surr: BFB	99.9	37.7-212	%Rec	1	3/30/2022 3:47:02 AM	66416
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	3/30/2022 3:47:02 AM	66416
Toluene	ND	0.049	mg/Kg	1	3/30/2022 3:47:02 AM	66416
Ethylbenzene	ND	0.049	mg/Kg	1	3/30/2022 3:47:02 AM	66416
Xylenes, Total	ND	0.099	mg/Kg	1	3/30/2022 3:47:02 AM	66416
Surr: 4-Bromofluorobenzene	100	70-130	%Rec	1	3/30/2022 3:47:02 AM	66416

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

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Date Reported: 4/6/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-21

Project: Gerard AW Battery
 Collection Date: 3/23/2022 2:20:00 PM

 Lab ID: 2203D63-004
 Matrix: SOIL
 Received Date: 3/25/2022 7:23:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	2600	150	mg/Kg	50	4/1/2022 9:24:21 AM	66532
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	120	9.7	mg/Kg	1	3/30/2022 3:13:29 AM	66433
Motor Oil Range Organics (MRO)	100	48	mg/Kg	1	3/30/2022 3:13:29 AM	66433
Surr: DNOP	77.3	51.1-141	%Rec	1	3/30/2022 3:13:29 AM	66433
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	3/30/2022 7:50:44 AM	66416
Surr: BFB	94.9	37.7-212	%Rec	1	3/30/2022 7:50:44 AM	66416
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	3/30/2022 7:50:44 AM	66416
Toluene	ND	0.050	mg/Kg	1	3/30/2022 7:50:44 AM	66416
Ethylbenzene	ND	0.050	mg/Kg	1	3/30/2022 7:50:44 AM	66416
Xylenes, Total	ND	0.10	mg/Kg	1	3/30/2022 7:50:44 AM	66416
Surr: 4-Bromofluorobenzene	95.0	70-130	%Rec	1	3/30/2022 7:50:44 AM	66416

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

Franching I imit Page 4 of 9

Date Reported: 4/6/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-22

 Project:
 Gerard AW Battery
 Collection Date: 3/23/2022 2:25:00 PM

 Lab ID:
 2203D63-005
 Matrix: SOIL
 Received Date: 3/25/2022 7:23:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	:: CAS
Chloride	1700	60	mg/Kg	20	3/31/2022 2:23:13 PM	66532
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: JME
Diesel Range Organics (DRO)	100	9.2	mg/Kg	1	4/1/2022 11:21:53 AM	66433
Motor Oil Range Organics (MRO)	120	46	mg/Kg	1	4/1/2022 11:21:53 AM	66433
Surr: DNOP	71.1	51.1-141	%Rec	1	4/1/2022 11:21:53 AM	66433
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	3/30/2022 8:14:16 AM	66416
Surr: BFB	95.5	37.7-212	%Rec	1	3/30/2022 8:14:16 AM	66416
EPA METHOD 8021B: VOLATILES					Analyst	:: NSB
Benzene	ND	0.025	mg/Kg	1	3/30/2022 8:14:16 AM	66416
Toluene	ND	0.049	mg/Kg	1	3/30/2022 8:14:16 AM	66416
Ethylbenzene	ND	0.049	mg/Kg	1	3/30/2022 8:14:16 AM	66416
Xylenes, Total	ND	0.099	mg/Kg	1	3/30/2022 8:14:16 AM	66416
Surr: 4-Bromofluorobenzene	95.5	70-130	%Rec	1	3/30/2022 8:14:16 AM	66416

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

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Hall Environmental Analysis Laboratory, Inc.

2203D63 06-Apr-22

WO#:

Client: GHD Midland **Project:** Gerard AW Battery

Sample ID: MB-66549 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 66549 RunNo: 86884

Prep Date: 3/31/2022 Analysis Date: 3/31/2022 SeqNo: 3070434 Units: mq/Kq

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

Chloride ND 1.5

Sample ID: LCS-66549 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 66549 RunNo: 86884

Units: mg/Kg Prep Date: 3/31/2022 Analysis Date: 3/31/2022 SeqNo: 3070435

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

Chloride 1.5 15.00 91.7

Sample ID: MB-66532 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 66532 RunNo: 86885

Prep Date: 3/31/2022 Analysis Date: 3/31/2022 SeqNo: 3070545 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-66532 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 66532 RunNo: 86885

Prep Date: 3/31/2022 Analysis Date: 3/31/2022 SeqNo: 3070546 Units: mg/Kg

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

14 15.00 0 Chloride 1.5 94.8 90 110

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2203D63**

06-Apr-22

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: LCS-66433	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batch	ID: 66 4	433	R	RunNo: 8	6803				
Prep Date: 3/28/2022	Analysis D	ate: 3/	29/2022	SeqNo: 3066789 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	87.8	68.9	135			
Surr: DNOP	3.8		5.000		75.1	51.1	141			

Sample ID: MB-66433	SampT	уре: МЕ	BLK	Tes	TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch	ID: 66 4	433	F	RunNo: 8	6803						
Prep Date: 3/28/2022	Analysis D	ate: 3/	29/2022	8	SeqNo: 3	066793	Units: mg/K	(g				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Diesel Range Organics (DRO)	ND	10										
Motor Oil Range Organics (MRO)	ND	50										
Surr: DNOP	9.0		10.00		90.2	51.1	141					

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2203D63**

06-Apr-22

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: mb-66416 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: **PBS** Batch ID: **66416** RunNo: **86824**

Prep Date: 3/25/2022 Analysis Date: 3/29/2022 SeqNo: 3066214 Units: mg/Kg

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

Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 970 1000 97.0 37.7 212

Sample ID: Ics-66416 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 66416 RunNo: 86824

2100

Prep Date: 3/25/2022 Analysis Date: 3/29/2022 SeqNo: 3066215 Units: mg/Kg

1000

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 27 72.3 Gasoline Range Organics (GRO) 5.0 25.00 0 109 137

209

37.7

212

Qualifiers:

Surr: BFB

- 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

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Hall Environmental Analysis Laboratory, Inc.

0.98

WO#: **2203D63**

06-Apr-22

Client: GHD Midland
Project: Gerard AW Battery

Surr: 4-Bromofluorobenzene

Sample ID: mb-66416 SampType: MBLK TestCode: EPA Method 8021B: Volatiles Client ID: PBS RunNo: 86824 Batch ID: 66416 Prep Date: 3/25/2022 Analysis Date: 3/29/2022 SeqNo: 3066262 Units: mg/Kg PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Analyte Result Benzene ND 0.025 Toluene ND 0.050 Ethylbenzene ND 0.050 Xylenes, Total ND 0.10

98.0

70

130

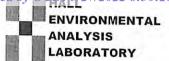
Sample ID: LCS-66416	Samp ⁻	Гуре: LC	s	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: LCSS	Batc	h ID: 66	416	F	RunNo: 8	6824				
Prep Date: 3/25/2022	Analysis [Date: 3/	29/2022	8	SeqNo: 3	066263	Units: mg/K	ίg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.025	1.000	0	88.3	80	120			
Toluene	0.91	0.050	1.000	0	91.4	80	120			
Ethylbenzene	0.93	0.050	1.000	0	93.4	80	120			
Xylenes, Total	2.8	0.10	3.000	0	93.7	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		101	70	130			

1.000

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

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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

Sample Log-In Check List

Client Name:	GHD Mid	land	Wor	k Order Nu	mber: 220	3D63		RcptNo	c 1
Received By:	Cheyenr	ne Cason	3/25/2	022 7:23:00) AM		Chenl		
Completed By:	Sean Liv	ingston	3/25/2	022 8:35:58	3 AM		Chemb S-L	/	
Reviewed By:	TMC		3/25	122				7	
Chain of Cus	tody					/	73.	-	
1. Is Chain of C		plete?			Vac	~	No 🗆	Not Present	
2. How was the					Cou		но 🗖	Not Flesellt [
Log In 3. Was an attent	npt made to	cool the samp	oles?		Yes	V	No 🗆	NA 🗆	
4. Were all samp	oles receive	d at a tempera	ature of >0° C	to 6.0°C	Yes	V	No 🗌	NA 🗆	
5. Sample(s) in j	proper conta	ainer(s)?			Yes	V	No 🗌	181 (7)	
6. Sufficient sam	ple volume	for indicated t	est(s)?		Yes	V	No 🗆		
7. Are samples (except VOA	and ONG) pr	operly preserv	ed?	Yes		No 🗆		
8. Was preservat					Yes		No 🗸	NA 🗆	
9. Received at le	ast 1 vial wi	th headspace	<1/4" for AQ \	VOA?	Yes		No 🗌	NA 🗹	
10. Were any sam	nple contain	ers received b	oroken?		Yes		No 🗸	# of preserved	
11, Does paperwo (Note discrepa)		Yes	V	No 🗆	bottles checked for pH:	>12 unless noted)
12. Are matrices c					Yes	~	No 🗌	Adjusted?	× 12 dilless floted)
13. Is it clear what			?		Yes	V	No 🗆		1 1
14. Were all holdin (If no, notify cu	ig times able stomer for a	e to be met? authorization.)			Yes	V	No 🗆	Checked by:	123/25/22
Special Handli	ng (if app	plicable)							
15. Was client not	ified of all d	iscrepancies v	with this order	?	Yes		No 🗌	NA 🗸	
Person I	Notified:			Date					
By Whor	m:			Via:	☐ eMa	uil 🔲	Phone Fax	In Person	
Regardir									
	structions:	l .							
16. Additional ren	narks:								
17. Cooler Inform		Yuk Same							
Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Da	ite	Signed By		
1	2.9	Good							
2	1.6	Good							

Client: GHD	: GHD			٨			工	ALI			HALL ENVIRONMENTAL	-
		☑ Standard	d Rush	in 5 Day			•	2	>	U	ANALYSTS I ADODATODY	16
		Project Name:	.е.				(2	1	LABORALO	7
Mailing Address:		General	AU B.	Battery		4004	7	ww.h	allenvir	onne	www.hallenvironmental.com	
2135 S. Loop 250 W. Midland, TX 79703	id, TX 79703	Project #:			T	1084	Tawkir	IS NE	- Albu	dnero	4901 Hawkins NE - Albuquerque, NM 87109	
Phone #: (432) 686-0086	086	12211	9668			- G	05-34	1 el. 505-345-3975		Σ 20 ·	Fax 505-345-4107	
email or Fax#: Becky.Hask	Becky. Haskell@ghd.com	Project Manager	ader.			(<u> </u>	Analysis Kequest	IS Ke	dnest	
QA/QC Package:		Beckv Haskell	; =						os	_		I
☐ Standard □	☐ Level 4 (Full Validation)	Tom Larson	5					SWIS	' [†] O			
Accreditation: Az Compliance	liance	Sampler	Heath Boyd				_	30/	3, F			
		On Ice:	X Yes	No.				78.	ON	(
□ EDD (Type)		# of Coolers.	u u	9 - 2 - 2		1			,£(AO,		
		Cooler Temp(including CF):	(including CF): 1.6	0-021.6								
		Container	Preservative	2.8	V / X	8015 S99	təM)	kd s	, Br,	(OV)	£ əbi	
Matrix	Sample Name	Type and #	Туре	77010.3								
1/25/22 PC S B	BH-16	Hor. Just,	NA	100							9	
1310 1 3	BH-18	ŀ	-	1000	X				1		2 5	
1415 B	BH-20			033	_	, ,	1	1	t	-	۷ >	
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Date: Time: Relinquished by:		Received hv.	Vis									
12 1700		UMAXXXX		3/24/38 1700	Rei	narks: Tom	Please Larson	emai @gho	: Chas.	se_Se Zach.	Remarks: Please email: Chase_Settle@eogresources.com; Tom.Larson@ghd.com; Zach.Comino@ghd.com:	Ë.
Say 20- 10 00 0.0.					_	leath.E	3oyd@	ghd.cc	m Alo	Along wit above.	Heath.Boyd@ghd.com Along with Becky Haskell listed above.	
MALCENCE 3/24/22 C723 Direct Bill to EOG Chase Settle		mece	Ever 3/2	3/25/12 0723			ō	ect Bil	1 to EC	S Ch	Direct Bill to EOG Chase Settle	



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

April 06, 2022

Tom Larson GHD Midland 2135 S Loop 250 W Midland, TX 79703

TEL: (432) 686-0086

FAX

RE: Gerard AW Battery OrderNo.: 2203E30

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 24 sample(s) on 3/26/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com 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

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order **2203E30**Date Reported: **4/6/2022**

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH-23

 Project:
 Gerard AW Battery
 Collection Date: 3/24/2022 11:00:00 AM

 Lab ID:
 2203E30-001
 Matrix: SOIL
 Received Date: 3/26/2022 1:50:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: LRN
Chloride	6400	300		mg/Kg	100	0 4/4/2022 1:38:50 PM	66583
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS					Analyst	: SB
Diesel Range Organics (DRO)	1900	100		mg/Kg	10	3/31/2022 4:32:31 PM	66503
Motor Oil Range Organics (MRO)	830	500		mg/Kg	10	3/31/2022 4:32:31 PM	66503
Surr: DNOP	0	51.1-141	S	%Rec	10	3/31/2022 4:32:31 PM	66503
EPA METHOD 8015D: GASOLINE RANGE						Analyst	BRM
Gasoline Range Organics (GRO)	140	25		mg/Kg	5	3/31/2022 4:43:00 PM	66469
Surr: BFB	260	37.7-212	S	%Rec	5	3/31/2022 4:43:00 PM	66469
EPA METHOD 8021B: VOLATILES						Analyst	BRM
Benzene	ND	0.12		mg/Kg	5	3/31/2022 4:43:00 PM	66469
Toluene	ND	0.25		mg/Kg	5	3/31/2022 4:43:00 PM	66469
Ethylbenzene	2.4	0.25		mg/Kg	5	3/31/2022 4:43:00 PM	66469
Xylenes, Total	1.7	0.50		mg/Kg	5	3/31/2022 4:43:00 PM	66469
Surr: 4-Bromofluorobenzene	140	70-130	S	%Rec	5	3/31/2022 4:43:00 PM	66469

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

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Lab Order **2203E30**Date Reported: **4/6/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-24

 Project:
 Gerard AW Battery
 Collection Date: 3/24/2022 11:05:00 AM

 Lab ID:
 2203E30-002
 Matrix: SOIL
 Received Date: 3/26/2022 1:50:00 PM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analysi	: LRN
Chloride	7900	300	mg/Kg	100	0 4/4/2022 1:51:14 PM	66583
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	660	9.4	mg/Kg	1	3/31/2022 4:43:23 PM	66503
Motor Oil Range Organics (MRO)	240	47	mg/Kg	1	3/31/2022 4:43:23 PM	66503
Surr: DNOP	134	51.1-141	%Rec	1	3/31/2022 4:43:23 PM	66503
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	25	mg/Kg	5	3/31/2022 5:03:00 PM	66469
Surr: BFB	128	37.7-212	%Rec	5	3/31/2022 5:03:00 PM	66469
EPA METHOD 8021B: VOLATILES					Analyst	: BRM
Benzene	ND	0.12	mg/Kg	5	3/31/2022 5:03:00 PM	66469
Toluene	ND	0.25	mg/Kg	5	3/31/2022 5:03:00 PM	66469
Ethylbenzene	ND	0.25	mg/Kg	5	3/31/2022 5:03:00 PM	66469
Xylenes, Total	ND	0.50	mg/Kg	5	3/31/2022 5:03:00 PM	66469
Surr: 4-Bromofluorobenzene	88.6	70-130	%Rec	5	3/31/2022 5:03:00 PM	66469

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

Qualifiers:

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

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Lab Order **2203E30**Date Reported: **4/6/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-25

 Project:
 Gerard AW Battery
 Collection Date: 3/24/2022 11:10:00 AM

 Lab ID:
 2203E30-003
 Matrix: SOIL
 Received Date: 3/26/2022 1:50:00 PM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	4600	150	mg/Kg	50	4/4/2022 2:03:39 PM	66583
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	69	9.6	mg/Kg	1	3/31/2022 5:05:04 PM	66503
Motor Oil Range Organics (MRO)	52	48	mg/Kg	1	3/31/2022 5:05:04 PM	66503
Surr: DNOP	117	51.1-141	%Rec	1	3/31/2022 5:05:04 PM	66503
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	3/31/2022 5:23:00 PM	66469
Surr: BFB	103	37.7-212	%Rec	1	3/31/2022 5:23:00 PM	66469
EPA METHOD 8021B: VOLATILES					Analyst	: BRM
Benzene	ND	0.025	mg/Kg	1	3/31/2022 5:23:00 PM	66469
Toluene	ND	0.050	mg/Kg	1	3/31/2022 5:23:00 PM	66469
Ethylbenzene	ND	0.050	mg/Kg	1	3/31/2022 5:23:00 PM	66469
Xylenes, Total	ND	0.099	mg/Kg	1	3/31/2022 5:23:00 PM	66469
Surr: 4-Bromofluorobenzene	82.6	70-130	%Rec	1	3/31/2022 5:23:00 PM	66469

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

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Date Reported: 4/6/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-26

 Project:
 Gerard AW Battery
 Collection Date: 3/24/2022 1:00:00 PM

 Lab ID:
 2203E30-004
 Matrix: SOIL
 Received Date: 3/26/2022 1:50:00 PM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	2400	150	mg/Kg	50	4/4/2022 2:16:03 PM	66583
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	150	10	mg/Kg	1	3/31/2022 5:15:53 PM	66503
Motor Oil Range Organics (MRO)	87	50	mg/Kg	1	3/31/2022 5:15:53 PM	66503
Surr: DNOP	122	51.1-141	%Rec	1	3/31/2022 5:15:53 PM	66503
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	3/31/2022 5:43:00 PM	66469
Surr: BFB	110	37.7-212	%Rec	1	3/31/2022 5:43:00 PM	66469
EPA METHOD 8021B: VOLATILES					Analyst	: BRM
Benzene	ND	0.025	mg/Kg	1	3/31/2022 5:43:00 PM	66469
Toluene	ND	0.050	mg/Kg	1	3/31/2022 5:43:00 PM	66469
Ethylbenzene	ND	0.050	mg/Kg	1	3/31/2022 5:43:00 PM	66469
Xylenes, Total	ND	0.10	mg/Kg	1	3/31/2022 5:43:00 PM	66469
Surr: 4-Bromofluorobenzene	80.7	70-130	%Rec	1	3/31/2022 5:43:00 PM	66469

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

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Analytical Report

Lab Order **2203E30**Date Reported: **4/6/2022**

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH-27

 Project:
 Gerard AW Battery
 Collection Date: 3/24/2022 1:05:00 PM

 Lab ID:
 2203E30-005
 Matrix: SOIL
 Received Date: 3/26/2022 1:50:00 PM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	1400	61	mg/Kg	20	4/2/2022 12:23:38 AM	66583
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	250	9.8	mg/Kg	1	3/31/2022 5:26:44 PM	66503
Motor Oil Range Organics (MRO)	120	49	mg/Kg	1	3/31/2022 5:26:44 PM	66503
Surr: DNOP	103	51.1-141	%Rec	1	3/31/2022 5:26:44 PM	66503
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	3/31/2022 6:02:00 PM	66469
Surr: BFB	123	37.7-212	%Rec	1	3/31/2022 6:02:00 PM	66469
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.025	mg/Kg	1	3/31/2022 6:02:00 PM	66469
Toluene	ND	0.050	mg/Kg	1	3/31/2022 6:02:00 PM	66469
Ethylbenzene	ND	0.050	mg/Kg	1	3/31/2022 6:02:00 PM	66469
Xylenes, Total	ND	0.099	mg/Kg	1	3/31/2022 6:02:00 PM	66469
Surr: 4-Bromofluorobenzene	81.4	70-130	%Rec	1	3/31/2022 6:02:00 PM	66469

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

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Analytical Report

Lab Order **2203E30**Date Reported: **4/6/2022**

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH-28

 Project:
 Gerard AW Battery
 Collection Date: 3/24/2022 1:10:00 PM

 Lab ID:
 2203E30-006
 Matrix: SOIL
 Received Date: 3/26/2022 1:50:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: LRN
Chloride	2900	150		mg/Kg	50	4/4/2022 2:53:17 PM	66583
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS					Analyst	: JME
Diesel Range Organics (DRO)	1200	96		mg/Kg	10	4/1/2022 4:18:39 PM	66503
Motor Oil Range Organics (MRO)	570	480		mg/Kg	10	4/1/2022 4:18:39 PM	66503
Surr: DNOP	0	51.1-141	S	%Rec	10	4/1/2022 4:18:39 PM	66503
EPA METHOD 8015D: GASOLINE RANGE						Analyst	BRM
Gasoline Range Organics (GRO)	30	25		mg/Kg	5	3/31/2022 7:22:00 PM	66469
Surr: BFB	182	37.7-212		%Rec	5	3/31/2022 7:22:00 PM	66469
EPA METHOD 8021B: VOLATILES						Analyst	BRM
Benzene	ND	0.12		mg/Kg	5	3/31/2022 7:22:00 PM	66469
Toluene	ND	0.25		mg/Kg	5	3/31/2022 7:22:00 PM	66469
Ethylbenzene	0.42	0.25		mg/Kg	5	3/31/2022 7:22:00 PM	66469
Xylenes, Total	ND	0.49		mg/Kg	5	3/31/2022 7:22:00 PM	66469
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	5	3/31/2022 7:22:00 PM	66469

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

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Analytical Report

Lab Order **2203E30**Date Reported: **4/6/2022**

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH-29

 Project:
 Gerard AW Battery
 Collection Date: 3/24/2022 1:15:00 PM

 Lab ID:
 2203E30-007
 Matrix: SOIL
 Received Date: 3/26/2022 1:50:00 PM

Result **POL Oual Units DF** Date Analyzed **Batch** Analyses **EPA METHOD 300.0: ANIONS** Analyst: LRN Chloride 4400 150 mg/Kg 50 4/4/2022 3:05:41 PM 66583 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: JME Diesel Range Organics (DRO) 1900 97 mg/Kg 4/1/2022 3:35:31 PM 66503 Motor Oil Range Organics (MRO) 890 490 66503 mg/Kg 4/1/2022 3:35:31 PM Surr: DNOP 0 4/1/2022 3:35:31 PM 66503 51.1-141 S %Rec **EPA METHOD 8015D: GASOLINE RANGE** Analyst: BRM 3/31/2022 7:42:00 PM Gasoline Range Organics (GRO) 35 5 66469 24 mg/Kg Surr: BFB 185 37.7-212 %Rec 3/31/2022 7:42:00 PM 66469 **EPA METHOD 8021B: VOLATILES** Analyst: BRM Benzene ND 0.12 3/31/2022 7:42:00 PM 66469 mg/Kg 5 Toluene ND 0.24 mg/Kg 3/31/2022 7:42:00 PM 66469 Ethylbenzene 0.41 0.24 mg/Kg 5 3/31/2022 7:42:00 PM 66469 Xylenes, Total 0.69 0.49 mg/Kg 5 3/31/2022 7:42:00 PM 66469 Surr: 4-Bromofluorobenzene 70-130 66469 101 %Rec 3/31/2022 7:42:00 PM

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

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Lab Order 2203E30

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 4/6/2022

CLIENT: GHD Midland Client Sample ID: BH-30

Project: Gerard AW Battery
 Collection Date: 3/24/2022 2:00:00 PM

 Lab ID: 2203E30-008
 Matrix: SOIL
 Received Date: 3/26/2022 1:50:00 PM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	3300	150	mg/Kg	50	4/4/2022 3:18:05 PM	66583
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	220	9.8	mg/Kg	1	3/31/2022 6:20:29 PM	66503
Motor Oil Range Organics (MRO)	150	49	mg/Kg	1	3/31/2022 6:20:29 PM	66503
Surr: DNOP	112	51.1-141	%Rec	1	3/31/2022 6:20:29 PM	66503
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	3/31/2022 8:02:00 PM	66469
Surr: BFB	101	37.7-212	%Rec	1	3/31/2022 8:02:00 PM	66469
EPA METHOD 8021B: VOLATILES					Analyst	: BRM
Benzene	ND	0.024	mg/Kg	1	3/31/2022 8:02:00 PM	66469
Toluene	ND	0.048	mg/Kg	1	3/31/2022 8:02:00 PM	66469
Ethylbenzene	ND	0.048	mg/Kg	1	3/31/2022 8:02:00 PM	66469
Xylenes, Total	ND	0.096	mg/Kg	1	3/31/2022 8:02:00 PM	66469
Surr: 4-Bromofluorobenzene	81.4	70-130	%Rec	1	3/31/2022 8:02:00 PM	66469

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

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Date Reported: 4/6/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-31

 Project:
 Gerard AW Battery
 Collection Date: 3/24/2022 2:05:00 PM

 Lab ID:
 2203E30-009
 Matrix: SOIL
 Received Date: 3/26/2022 1:50:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: LRN
Chloride	2100	150		mg/Kg	50	4/4/2022 3:30:30 PM	66583
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS					Analyst	: SB
Diesel Range Organics (DRO)	1400	93		mg/Kg	10	3/31/2022 6:41:56 PM	66503
Motor Oil Range Organics (MRO)	730	460		mg/Kg	10	3/31/2022 6:41:56 PM	66503
Surr: DNOP	0	51.1-141	S	%Rec	10	3/31/2022 6:41:56 PM	66503
EPA METHOD 8015D: GASOLINE RANGE						Analyst	BRM
Gasoline Range Organics (GRO)	31	4.8		mg/Kg	1	3/31/2022 8:22:00 PM	66469
Surr: BFB	145	37.7-212		%Rec	1	3/31/2022 8:22:00 PM	66469
EPA METHOD 8021B: VOLATILES						Analyst	: BRM
Benzene	ND	0.024		mg/Kg	1	3/31/2022 8:22:00 PM	66469
Toluene	ND	0.048		mg/Kg	1	3/31/2022 8:22:00 PM	66469
Ethylbenzene	ND	0.048		mg/Kg	1	3/31/2022 8:22:00 PM	66469
Xylenes, Total	0.13	0.097		mg/Kg	1	3/31/2022 8:22:00 PM	66469
Surr: 4-Bromofluorobenzene	117	70-130		%Rec	1	3/31/2022 8:22:00 PM	66469

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

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Lab Order **2203E30**Date Reported: **4/6/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: Ramp-3

 Project:
 Gerard AW Battery
 Collection Date: 3/24/2022 1:20:00 PM

 Lab ID:
 2203E30-010
 Matrix: SOIL
 Received Date: 3/26/2022 1:50:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: LRN
Chloride	1700	60		mg/Kg	20	4/2/2022 1:25:40 AM	66583
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS					Analyst	: JME
Diesel Range Organics (DRO)	560	49		mg/Kg	5	4/1/2022 5:01:22 PM	66503
Motor Oil Range Organics (MRO)	370	240		mg/Kg	5	4/1/2022 5:01:22 PM	66503
Surr: DNOP	89.8	51.1-141		%Rec	5	4/1/2022 5:01:22 PM	66503
EPA METHOD 8015D: GASOLINE RANGE						Analyst	BRM
Gasoline Range Organics (GRO)	12	4.8		mg/Kg	1	3/31/2022 8:43:00 PM	66469
Surr: BFB	230	37.7-212	S	%Rec	1	3/31/2022 8:43:00 PM	66469
EPA METHOD 8021B: VOLATILES						Analyst	BRM
Benzene	ND	0.024		mg/Kg	1	3/31/2022 8:43:00 PM	66469
Toluene	ND	0.048		mg/Kg	1	3/31/2022 8:43:00 PM	66469
Ethylbenzene	0.060	0.048		mg/Kg	1	3/31/2022 8:43:00 PM	66469
Xylenes, Total	ND	0.096		mg/Kg	1	3/31/2022 8:43:00 PM	66469
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	3/31/2022 8:43:00 PM	66469

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

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Lab Order **2203E30**Date Reported: **4/6/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: Ramp-4

 Project:
 Gerard AW Battery
 Collection Date: 3/24/2022 1:25:00 PM

 Lab ID:
 2203E30-011
 Matrix: SOIL
 Received Date: 3/26/2022 1:50:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: LRN
Chloride	3600	150		mg/Kg	50	4/4/2022 3:42:54 PM	66584
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS					Analyst	: SB
Diesel Range Organics (DRO)	1500	99		mg/Kg	10	3/31/2022 7:03:28 PM	66503
Motor Oil Range Organics (MRO)	710	500		mg/Kg	10	3/31/2022 7:03:28 PM	66503
Surr: DNOP	0	51.1-141	S	%Rec	10	3/31/2022 7:03:28 PM	66503
EPA METHOD 8015D: GASOLINE RANGE						Analyst	BRM
Gasoline Range Organics (GRO)	95	25		mg/Kg	5	3/31/2022 9:03:00 PM	66469
Surr: BFB	297	37.7-212	S	%Rec	5	3/31/2022 9:03:00 PM	66469
EPA METHOD 8021B: VOLATILES						Analyst	: BRM
Benzene	ND	0.12		mg/Kg	5	3/31/2022 9:03:00 PM	66469
Toluene	ND	0.25		mg/Kg	5	3/31/2022 9:03:00 PM	66469
Ethylbenzene	1.7	0.25		mg/Kg	5	3/31/2022 9:03:00 PM	66469
Xylenes, Total	2.5	0.50		mg/Kg	5	3/31/2022 9:03:00 PM	66469
Surr: 4-Bromofluorobenzene	122	70-130		%Rec	5	3/31/2022 9:03:00 PM	66469

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

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Analytical Report

Lab Order **2203E30**Date Reported: **4/6/2022**

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: SW-4A

 Project:
 Gerard AW Battery
 Collection Date: 3/25/2022 10:50:00 AM

 Lab ID:
 2203E30-012
 Matrix: SOIL
 Received Date: 3/26/2022 1:50:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: LRN
Chloride	100	60		mg/Kg	20	4/2/2022 2:40:08 AM	66584
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS					Analyst	: SB
Diesel Range Organics (DRO)	420	200		mg/Kg	20	3/31/2022 7:14:12 PM	66503
Motor Oil Range Organics (MRO)	1100	990		mg/Kg	20	3/31/2022 7:14:12 PM	66503
Surr: DNOP	0	51.1-141	S	%Rec	20	3/31/2022 7:14:12 PM	66503
EPA METHOD 8015D: GASOLINE RANGE						Analyst	BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/31/2022 9:23:00 PM	66469
Surr: BFB	98.2	37.7-212		%Rec	1	3/31/2022 9:23:00 PM	66469
EPA METHOD 8021B: VOLATILES						Analyst	: BRM
Benzene	ND	0.025		mg/Kg	1	3/31/2022 9:23:00 PM	66469
Toluene	ND	0.050		mg/Kg	1	3/31/2022 9:23:00 PM	66469
Ethylbenzene	ND	0.050		mg/Kg	1	3/31/2022 9:23:00 PM	66469
Xylenes, Total	ND	0.10		mg/Kg	1	3/31/2022 9:23:00 PM	66469
Surr: 4-Bromofluorobenzene	77.7	70-130		%Rec	1	3/31/2022 9:23:00 PM	66469

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

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Analytical Report

Lab Order **2203E30**Date Reported: **4/6/2022**

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: SW-12

 Project:
 Gerard AW Battery
 Collection Date: 3/25/2022 10:55:00 AM

 Lab ID:
 2203E30-013
 Matrix: SOIL
 Received Date: 3/26/2022 1:50:00 PM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	66	60	mg/Kg	20	4/2/2022 2:52:32 AM	66584
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	3/31/2022 7:24:56 PM	66503
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	3/31/2022 7:24:56 PM	66503
Surr: DNOP	74.0	51.1-141	%Rec	1	3/31/2022 7:24:56 PM	66503
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: BRM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	3/31/2022 9:43:00 PM	66469
Surr: BFB	92.8	37.7-212	%Rec	1	3/31/2022 9:43:00 PM	66469
EPA METHOD 8021B: VOLATILES					Analyst	: BRM
Benzene	ND	0.025	mg/Kg	1	3/31/2022 9:43:00 PM	66469
Toluene	ND	0.050	mg/Kg	1	3/31/2022 9:43:00 PM	66469
Ethylbenzene	ND	0.050	mg/Kg	1	3/31/2022 9:43:00 PM	66469
Xylenes, Total	ND	0.099	mg/Kg	1	3/31/2022 9:43:00 PM	66469
Surr: 4-Bromofluorobenzene	77.2	70-130	%Rec	1	3/31/2022 9:43:00 PM	66469

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

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Lab Order **2203E30**Date Reported: **4/6/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-13

 Project:
 Gerard AW Battery
 Collection Date: 3/25/2022 11:00:00 AM

 Lab ID:
 2203E30-014
 Matrix: SOIL
 Received Date: 3/26/2022 1:50:00 PM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	ND	60	mg/Kg	20	4/2/2022 3:04:57 AM	66584
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	3/31/2022 7:35:38 PM	66503
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	3/31/2022 7:35:38 PM	66503
Surr: DNOP	56.7	51.1-141	%Rec	1	3/31/2022 7:35:38 PM	66503
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	3/31/2022 10:03:00 PM	66469
Surr: BFB	94.4	37.7-212	%Rec	1	3/31/2022 10:03:00 PM	66469
EPA METHOD 8021B: VOLATILES					Analyst	: BRM
Benzene	ND	0.025	mg/Kg	1	3/31/2022 10:03:00 PM	66469
Toluene	ND	0.049	mg/Kg	1	3/31/2022 10:03:00 PM	66469
Ethylbenzene	ND	0.049	mg/Kg	1	3/31/2022 10:03:00 PM	66469
Xylenes, Total	ND	0.098	mg/Kg	1	3/31/2022 10:03:00 PM	66469
Surr: 4-Bromofluorobenzene	76.8	70-130	%Rec	1	3/31/2022 10:03:00 PM	66469

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

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Analytical Report

Lab Order **2203E30**Date Reported: **4/6/2022**

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: SW-14

 Project:
 Gerard AW Battery
 Collection Date: 3/25/2022 11:05:00 AM

 Lab ID:
 2203E30-015
 Matrix: SOIL
 Received Date: 3/26/2022 1:50:00 PM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	220	60	mg/Kg	20	4/2/2022 3:17:21 AM	66584
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	3/31/2022 7:46:20 PM	66503
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	3/31/2022 7:46:20 PM	66503
Surr: DNOP	80.3	51.1-141	%Rec	1	3/31/2022 7:46:20 PM	66503
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	3/31/2022 10:23:00 PM	66469
Surr: BFB	95.1	37.7-212	%Rec	1	3/31/2022 10:23:00 PM	66469
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.025	mg/Kg	1	3/31/2022 10:23:00 PM	66469
Toluene	ND	0.050	mg/Kg	1	3/31/2022 10:23:00 PM	66469
Ethylbenzene	ND	0.050	mg/Kg	1	3/31/2022 10:23:00 PM	66469
Xylenes, Total	ND	0.099	mg/Kg	1	3/31/2022 10:23:00 PM	66469
Surr: 4-Bromofluorobenzene	77.6	70-130	%Rec	1	3/31/2022 10:23:00 PM	66469

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

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Lab Order **2203E30**

Date Reported: 4/6/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-32

 Project:
 Gerard AW Battery
 Collection Date: 3/25/2022 11:55:00 AM

 Lab ID:
 2203E30-016
 Matrix: SOIL
 Received Date: 3/26/2022 1:50:00 PM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	1300	60	mg/Kg	20	4/2/2022 3:29:45 AM	66584
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: JME
Diesel Range Organics (DRO)	140	50	mg/Kg	5	4/1/2022 5:22:42 PM	66503
Motor Oil Range Organics (MRO)	280	250	mg/Kg	5	4/1/2022 5:22:42 PM	66503
Surr: DNOP	77.6	51.1-141	%Rec	5	4/1/2022 5:22:42 PM	66503
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	4/1/2022 12:24:00 AM	66469
Surr: BFB	97.6	37.7-212	%Rec	1	4/1/2022 12:24:00 AM	66469
EPA METHOD 8021B: VOLATILES					Analyst	: BRM
Benzene	ND	0.025	mg/Kg	1	4/1/2022 12:24:00 AM	66469
Toluene	ND	0.050	mg/Kg	1	4/1/2022 12:24:00 AM	66469
Ethylbenzene	ND	0.050	mg/Kg	1	4/1/2022 12:24:00 AM	66469
Xylenes, Total	ND	0.099	mg/Kg	1	4/1/2022 12:24:00 AM	66469
Surr: 4-Bromofluorobenzene	81.7	70-130	%Rec	1	4/1/2022 12:24:00 AM	66469

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

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Lab Order **2203E30**Date Reported: **4/6/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-33

 Project:
 Gerard AW Battery
 Collection Date: 3/25/2022 12:00:00 PM

 Lab ID:
 2203E30-017
 Matrix: SOIL
 Received Date: 3/26/2022 1:50:00 PM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	1200	60	mg/Kg	20	4/2/2022 3:42:09 AM	66584
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	3/31/2022 8:18:18 PM	66503
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	3/31/2022 8:18:18 PM	66503
Surr: DNOP	86.2	51.1-141	%Rec	1	3/31/2022 8:18:18 PM	66503
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	4/1/2022 12:44:00 AM	66469
Surr: BFB	96.7	37.7-212	%Rec	1	4/1/2022 12:44:00 AM	66469
EPA METHOD 8021B: VOLATILES					Analyst	: BRM
Benzene	ND	0.025	mg/Kg	1	4/1/2022 12:44:00 AM	66469
Toluene	ND	0.050	mg/Kg	1	4/1/2022 12:44:00 AM	66469
Ethylbenzene	ND	0.050	mg/Kg	1	4/1/2022 12:44:00 AM	66469
Xylenes, Total	ND	0.10	mg/Kg	1	4/1/2022 12:44:00 AM	66469
Surr: 4-Bromofluorobenzene	79.2	70-130	%Rec	1	4/1/2022 12:44:00 AM	66469

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

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Lab Order **2203E30**Date Reported: **4/6/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-34

 Project:
 Gerard AW Battery
 Collection Date: 3/25/2022 12:05:00 PM

 Lab ID:
 2203E30-018
 Matrix: SOIL
 Received Date: 3/26/2022 1:50:00 PM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	:: LRN
Chloride	1600	60	mg/Kg	20	4/2/2022 3:54:33 AM	66584
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: JME
Diesel Range Organics (DRO)	32	9.6	mg/Kg	1	4/1/2022 3:46:12 PM	66503
Motor Oil Range Organics (MRO)	86	48	mg/Kg	1	4/1/2022 3:46:12 PM	66503
Surr: DNOP	87.5	51.1-141	%Rec	1	4/1/2022 3:46:12 PM	66503
EPA METHOD 8015D: GASOLINE RANGE					Analyst	:: BRM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	4/1/2022 1:04:00 AM	66469
Surr: BFB	91.4	37.7-212	%Rec	1	4/1/2022 1:04:00 AM	66469
EPA METHOD 8021B: VOLATILES					Analyst	:: BRM
Benzene	ND	0.025	mg/Kg	1	4/1/2022 1:04:00 AM	66469
Toluene	ND	0.049	mg/Kg	1	4/1/2022 1:04:00 AM	66469
Ethylbenzene	ND	0.049	mg/Kg	1	4/1/2022 1:04:00 AM	66469
Xylenes, Total	ND	0.098	mg/Kg	1	4/1/2022 1:04:00 AM	66469
Surr: 4-Bromofluorobenzene	77.7	70-130	%Rec	1	4/1/2022 1:04:00 AM	66469

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

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Lab Order **2203E30**Date Reported: **4/6/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-35

 Project:
 Gerard AW Battery
 Collection Date: 3/25/2022 12:10:00 PM

 Lab ID:
 2203E30-019
 Matrix: SOIL
 Received Date: 3/26/2022 1:50:00 PM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: LRN
Chloride	1100	60	mg/Kg	20	4/2/2022 4:31:45 AM	66584
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analys	t: JME
Diesel Range Organics (DRO)	450	48	mg/Kg	5	4/1/2022 5:44:02 PM	66511
Motor Oil Range Organics (MRO)	380	240	mg/Kg	5	4/1/2022 5:44:02 PM	66511
Surr: DNOP	87.6	51.1-141	%Rec	5	4/1/2022 5:44:02 PM	66511
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: BRM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	4/1/2022 1:24:00 AM	66482
Surr: BFB	91.1	37.7-212	%Rec	1	4/1/2022 1:24:00 AM	66482
EPA METHOD 8021B: VOLATILES					Analys	t: BRM
Benzene	ND	0.025	mg/Kg	1	4/1/2022 1:24:00 AM	66482
Toluene	ND	0.050	mg/Kg	1	4/1/2022 1:24:00 AM	66482
Ethylbenzene	ND	0.050	mg/Kg	1	4/1/2022 1:24:00 AM	66482
Xylenes, Total	ND	0.10	mg/Kg	1	4/1/2022 1:24:00 AM	66482
Surr: 4-Bromofluorobenzene	77.2	70-130	%Rec	1	4/1/2022 1:24:00 AM	66482

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

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Lab Order **2203E30**Date Reported: **4/6/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-36

 Project:
 Gerard AW Battery
 Collection Date: 3/25/2022 12:15:00 PM

 Lab ID:
 2203E30-020
 Matrix: SOIL
 Received Date: 3/26/2022 1:50:00 PM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analysi	: LRN
Chloride	3800	150	mg/Kg	50	4/4/2022 3:55:19 PM	66584
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: JME
Diesel Range Organics (DRO)	640	48	mg/Kg	5	4/1/2022 6:26:48 PM	66511
Motor Oil Range Organics (MRO)	430	240	mg/Kg	5	4/1/2022 6:26:48 PM	66511
Surr: DNOP	79.9	51.1-141	%Rec	5	4/1/2022 6:26:48 PM	66511
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	4/1/2022 2:24:00 AM	66482
Surr: BFB	97.7	37.7-212	%Rec	1	4/1/2022 2:24:00 AM	66482
EPA METHOD 8021B: VOLATILES					Analyst	: BRM
Benzene	ND	0.025	mg/Kg	1	4/1/2022 2:24:00 AM	66482
Toluene	ND	0.050	mg/Kg	1	4/1/2022 2:24:00 AM	66482
Ethylbenzene	ND	0.050	mg/Kg	1	4/1/2022 2:24:00 AM	66482
Xylenes, Total	ND	0.10	mg/Kg	1	4/1/2022 2:24:00 AM	66482
Surr: 4-Bromofluorobenzene	77.0	70-130	%Rec	1	4/1/2022 2:24:00 AM	66482

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

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CLIENT: GHD Midland

Analytical Report

Lab Order **2203E30**Date Reported: **4/6/2022**

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH-37

 Project:
 Gerard AW Battery
 Collection Date: 3/25/2022 12:20:00 PM

 Lab ID:
 2203E30-021
 Matrix: SOIL
 Received Date: 3/26/2022 1:50:00 PM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	:: LRN
Chloride	4400	150	mg/Kg	50	4/4/2022 4:07:43 PM	66584
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: JME
Diesel Range Organics (DRO)	440	50	mg/Kg	5	4/1/2022 6:48:09 PM	66511
Motor Oil Range Organics (MRO)	290	250	mg/Kg	5	4/1/2022 6:48:09 PM	66511
Surr: DNOP	91.4	51.1-141	%Rec	5	4/1/2022 6:48:09 PM	66511
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: BRM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	4/1/2022 3:24:00 AM	66482
Surr: BFB	131	37.7-212	%Rec	1	4/1/2022 3:24:00 AM	66482
EPA METHOD 8021B: VOLATILES					Analyst	:: BRM
Benzene	ND	0.024	mg/Kg	1	4/1/2022 3:24:00 AM	66482
Toluene	ND	0.049	mg/Kg	1	4/1/2022 3:24:00 AM	66482
Ethylbenzene	ND	0.049	mg/Kg	1	4/1/2022 3:24:00 AM	66482
Xylenes, Total	ND	0.097	mg/Kg	1	4/1/2022 3:24:00 AM	66482
Surr: 4-Bromofluorobenzene	82.3	70-130	%Rec	1	4/1/2022 3:24:00 AM	66482

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

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Analytical Report

Lab Order **2203E30**Date Reported: **4/6/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-38

 Project:
 Gerard AW Battery
 Collection Date: 3/25/2022 12:45:00 PM

 Lab ID:
 2203E30-022
 Matrix: SOIL
 Received Date: 3/26/2022 1:50:00 PM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	1000	60	mg/Kg	20	4/2/2022 5:08:59 AM	66584
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	4/1/2022 12:32:38 AM	66511
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	4/1/2022 12:32:38 AM	66511
Surr: DNOP	93.0	51.1-141	%Rec	1	4/1/2022 12:32:38 AM	66511
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: BRM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	4/1/2022 3:44:00 AM	66482
Surr: BFB	92.1	37.7-212	%Rec	1	4/1/2022 3:44:00 AM	66482
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.025	mg/Kg	1	4/1/2022 3:44:00 AM	66482
Toluene	ND	0.049	mg/Kg	1	4/1/2022 3:44:00 AM	66482
Ethylbenzene	ND	0.049	mg/Kg	1	4/1/2022 3:44:00 AM	66482
Xylenes, Total	ND	0.099	mg/Kg	1	4/1/2022 3:44:00 AM	66482
Surr: 4-Bromofluorobenzene	76.4	70-130	%Rec	1	4/1/2022 3:44:00 AM	66482

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

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CLIENT: GHD Midland

Analytical Report

Lab Order **2203E30**Date Reported: **4/6/2022**

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH-39

 Project:
 Gerard AW Battery
 Collection Date: 3/25/2022 12:50:00 PM

 Lab ID:
 2203E30-023
 Matrix: SOIL
 Received Date: 3/26/2022 1:50:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	:: LRN
Chloride	1700	60		mg/Kg	20	4/2/2022 5:21:23 AM	66584
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS					Analyst	: JME
Diesel Range Organics (DRO)	1100	95		mg/Kg	10	4/1/2022 4:40:00 PM	66511
Motor Oil Range Organics (MRO)	640	480		mg/Kg	10	4/1/2022 4:40:00 PM	66511
Surr: DNOP	0	51.1-141	S	%Rec	10	4/1/2022 4:40:00 PM	66511
EPA METHOD 8015D: GASOLINE RANGE						Analyst	: BRM
Gasoline Range Organics (GRO)	22	4.8		mg/Kg	1	4/1/2022 4:04:00 AM	66482
Surr: BFB	183	37.7-212		%Rec	1	4/1/2022 4:04:00 AM	66482
EPA METHOD 8021B: VOLATILES						Analyst	:: BRM
Benzene	ND	0.024		mg/Kg	1	4/1/2022 4:04:00 AM	66482
Toluene	ND	0.048		mg/Kg	1	4/1/2022 4:04:00 AM	66482
Ethylbenzene	0.16	0.048		mg/Kg	1	4/1/2022 4:04:00 AM	66482
Xylenes, Total	0.36	0.096		mg/Kg	1	4/1/2022 4:04:00 AM	66482
Surr: 4-Bromofluorobenzene	113	70-130		%Rec	1	4/1/2022 4:04:00 AM	66482

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

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Date Reported: 4/6/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-40

 Project:
 Gerard AW Battery
 Collection Date: 3/25/2022 12:55:00 PM

 Lab ID:
 2203E30-024
 Matrix: SOIL
 Received Date: 3/26/2022 1:50:00 PM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	1000	60	mg/Kg	20	4/2/2022 5:58:35 AM	66584
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	40	9.9	mg/Kg	1	3/31/2022 11:39:45 PM	66511
Motor Oil Range Organics (MRO)	59	50	mg/Kg	1	3/31/2022 11:39:45 PM	66511
Surr: DNOP	77.0	51.1-141	%Rec	1	3/31/2022 11:39:45 PM	66511
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	4/1/2022 4:24:00 AM	66482
Surr: BFB	100	37.7-212	%Rec	1	4/1/2022 4:24:00 AM	66482
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.025	mg/Kg	1	4/1/2022 4:24:00 AM	66482
Toluene	ND	0.050	mg/Kg	1	4/1/2022 4:24:00 AM	66482
Ethylbenzene	ND	0.050	mg/Kg	1	4/1/2022 4:24:00 AM	66482
Xylenes, Total	ND	0.10	mg/Kg	1	4/1/2022 4:24:00 AM	66482
Surr: 4-Bromofluorobenzene	75.4	70-130	%Rec	1	4/1/2022 4:24:00 AM	66482

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

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Hall Environmental Analysis Laboratory, Inc.

06-Apr-22

2203E30

WO#:

OUD MILE I

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: LCS-66583 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 66583 RunNo: 86923

Prep Date: 4/1/2022 Analysis Date: 4/1/2022 SeqNo: 3072164 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 93.1 90 110

Sample ID: MB-66583 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 66583 RunNo: 86923

Prep Date: 4/1/2022 Analysis Date: 4/1/2022 SeqNo: 3072165 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: MB-66584 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 66584 RunNo: 86923

Prep Date: 4/1/2022 Analysis Date: 4/2/2022 SeqNo: 3072196 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-66584 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 66584 RunNo: 86923

Prep Date: 4/1/2022 Analysis Date: 4/2/2022 SeqNo: 3072197 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 93.2 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

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GHD Midland

Client:

Hall Environmental Analysis Laboratory, Inc.

WO#: 2203E30

06-Apr-22

Project: Gerard A	W Battery									
Sample ID: LCS-66503	SampT	ype: LC	s	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batch	ID: 66	503	F	RunNo: 80	6887				
Prep Date: 3/30/2022	Analysis D	ate: 3/	31/2022	5	SeqNo: 30	069714	Units: mg/k	ζg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO) Surr: DNOP	46 4.0	10	50.00 5.000	0	91.7 79.8	68.9 51.1	135 141			
Sample ID: LCS-66511	SampT	ype: LC	s	Tes	tCode: El	PA Method	8015M/D: Di	esel Range	e Organics	
Client ID: LCSS	Batch	ID: 66	511	F	RunNo: 80	6887				
Prep Date: 3/30/2022	Analysis D	ate: 3/	31/2022	8	SeqNo: 30	069716	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO) Surr: DNOP	44 3.8	10	50.00 5.000	0	88.0 75.7	68.9 51.1	135 141			
Sample ID: MB-66503	SampT	уре: МЕ	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batch	ID: 66	503	F	RunNo: 80	6887				
Prep Date: 3/30/2022	Analysis D	ate: 3/	31/2022	5	SeqNo: 30	069717	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO) Surr: DNOP	ND 9.6	50	10.00		96.4	51.1	141			
Suil. DNOP	9.0		10.00		90.4	31.1	141			
Sample ID: MB-66511	SampT	ype: ME	BLK				8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batch	ID: 66	511	F	RunNo: 80	6887				
Prep Date: 3/30/2022	Analysis D	ate: 3/	31/2022	\$	SeqNo: 30	069719	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO) Surr: DNOP	ND 9.7	50	10.00		97.4	51.1	141			
Sample ID: 2203E30-019AMS	SampT	уре: М\$	 S	Tes	tCode: El	PA Method	8015M/D: Die	esel Rango	e Organics	
Client ID: BH-35		D: 66			RunNo: 8 0			9	- J	
Prep Date: 3/30/2022	Analysis D				SeqNo: 30		Units: mg/k	ίg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	880	49	49.46	453.1	866	36.1	154		· · · · · · · · · · · · · · · · · · ·	S

Qualifiers:

Surr: DNOP

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

8.3

Analyte detected in the associated Method Blank

168

51.1

141

Estimated value

4.946

- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

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S

Hall Environmental Analysis Laboratory, Inc.

WO#: **2203E30**

06-Apr-22

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: 2203E30-019AMSD SampType: MSD TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: **BH-35** Batch ID: **66511** RunNo: **86902**

Prep Date: 3/30/2022 Analysis Date: 4/1/2022 SeqNo: 3071864 Units: mg/Kg

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	400	49	48.69	453.1	-106	36.1	154	74.9	33.9	RS
Surr: DNOP	2.0		4.869		41.2	51.1	141	0	0	S

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

SampType: LCS

Batch ID: 66482

WO#: **2203E30**

06-Apr-22

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: Ics-66469

Client ID: LCSS	Batch	ID: 66	469	F	RunNo: 8	6896				
Prep Date: 3/29/2022	Analysis D	ate: 3/	31/2022	S	SeqNo: 3	069854	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	30	5.0	25.00	0	120	72.3	137			
Surr: BFB	2300		1000		228	37.7	212			S
Sample ID: mb-66469	SampT	уре: МЕ	BLK	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	е	
Client ID: PBS	Batch	ID: 66	469	F	RunNo: 8	6896				
Prep Date: 3/29/2022	Analysis D	ate: 3/	31/2022	S	SeqNo: 3	069855	Units: mg/K	ίg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		103	37.7	212			
Sample ID: Ics-66482	SampT	ype: LC	s	Tes	tCode: EI	PA Method	8015D: Gaso	line Rang	е	
Client ID: LCSS	Batch	ID: 66	482	F	RunNo: 8	6896				
Prep Date: 3/29/2022	Analysis D	ate: 3/	31/2022	S	SeqNo: 3	069888	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
	26	5.0	25.00	0	104	72.3	137			
Gasoline Range Organics (GRO)					211	37.7	212			

TestCode: EPA Method 8015D: Gasoline Range

Prep Date: 3/29/2022	Analysis D	Analysis Date: 4/1/2022			SeqNo: 3069889 Units: mg/K 9					
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	37.7	212			
Sample ID: 2203e30-019ams	SampT	ype: MS	6	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	·

RunNo: 86896

Sample ID: 2203e30-019ams	Sampi	ype: IVIS	•	i es	(Code: El	PA Method	8015D: Gaso	line Rang	е	
Client ID: BH-35	Batch	ID: 66 4	482	F	RunNo: 8	6896				
Prep Date: 3/29/2022	Analysis Da	ate: 4/	1/2022	S	SeqNo: 3	069894	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	4.9	24.44	0	111	70	130			
Surr: BFB	2200		977.5		222	37.7	212			S

Sample ID: 2203e30-019amsd	SampType: MSD	TestCode: EPA Method	l 8015D: Gasoline Range
Client ID: BH-35	Batch ID: 66482	RunNo: 86896	
Prep Date: 3/29/2022	Analysis Date: 4/1/2022	SeqNo: 3069895	Units: mg/Kg
Analyte	Result PQL SPK val	ue SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual

Qualifiers:

Client ID: PBS

- 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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2203E30**

06-Apr-22

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: 2203e30-019amsd SampType: MSD TestCode: EPA Method 8015D: Gasoline Range

Client ID: **BH-35** Batch ID: **66482** RunNo: **86896**

Prep Date: 3/29/2022 Analysis Date: 4/1/2022 SeqNo: 3069895 Units: mg/Kg

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	24.75	0	113	70	130	2.74	20	
Surr: BFB	2600		990.1		265	37.7	212	0	0	S

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2203E30**

06-Apr-22

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: Ics-66469	SampT	SampType: LCS TestCode: EPA Method						iles				
Client ID: LCSS	Batch	Batch ID: 66469 RunNo: 86896										
Prep Date: 3/29/2022	Analysis D	alysis Date: 3/31/2022 SeqNo: 3069902 Unit						nits: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	0.88	0.025	1.000	0	87.7	80	120					
Toluene	0.89	0.050	1.000	0	89.2	80	120					
Ethylbenzene	0.90	0.050	1.000	0	89.9	80	120					
Xylenes, Total	2.7	0.10	3.000	0	89.5	80	120					
Surr: 4-Bromofluorobenzene	0.87		1.000		86.6	70	130					

Sample ID: mb-66469	SampT	ype: ME	BLK	Test	Code: El	PA Method	8021B: Volat	iles			
Client ID: PBS	Batch	n ID: 66 4	469	R	tunNo: 8	6896					
Prep Date: 3/29/2022	Analysis D	ate: 3/	31/2022	S	eqNo: 3	069903	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		86.0	70	130				

Sample ID: Ics-66482	SampT	ype: LC	S	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batcl	n ID: 66 4	482	F	RunNo: 80	6896				
Prep Date: 3/29/2022	Analysis D)ate: 3/	31/2022	S	SeqNo: 30	069936	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.82	0.025	1.000	0	82.2	80	120			
Toluene	0.83	0.050	1.000	0	82.9	80	120			
Ethylbenzene	0.82	0.050	1.000	0	82.3	80	120			
Xylenes, Total	2.4	0.10	3.000	0	81.5	80	120			
Surr: 4-Bromofluorobenzene	0.80		1.000		80.3	70	130			

Sample ID: mb-66482	SampT	уре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles			
Client ID: PBS	Batch	n ID: 66	482	F	RunNo: 8	6896					
Prep Date: 3/29/2022	Analysis D	oate: 4/	1/2022	S	SeqNo: 3	069937	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	0.81		1.000		81.4	70	130				

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2203E30**

06-Apr-22

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: 2203e30-020ams	SampT	уре: М S	5	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: BH-36	Batcl	h ID: 66 4	482	F	RunNo: 8	6896				
Prep Date: 3/29/2022	Analysis D	Date: 4/	1/2022	8	SeqNo: 3	069943	Units: mg/Kg			
Analyte	Result	Result PQL SPK value			%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.025	0.9862	0	89.2	68.8	120			
Toluene	0.89	0.049	0.9862	0	90.2	73.6	124			
Ethylbenzene	0.90	0.049	0.9862	0	91.0	72.7	129			
Xylenes, Total	2.7	0.099	2.959	0	90.1	75.7	126			
Surr: 4-Bromofluorobenzene	0.81		0.9862		81.8	70	130			

Sample ID: 2203e30-020amso	l Samp⊺	уре: М	SD	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: BH-36	Batcl	h ID: 66 4	482	F	RunNo: 8	6896				
Prep Date: 3/29/2022	Analysis D	Date: 4/	1/2022	8	SeqNo: 3	069944	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.84	0.025	0.9990	0	83.7	68.8	120	5.07	20	
Toluene	0.85	0.050	0.9990	0	85.2	73.6	124	4.48	20	
Ethylbenzene	0.85	0.050	0.9990	0	84.9	72.7	129	5.59	20	
Xylenes, Total	2.5	0.10	2.997	0	84.0	75.7	126	5.72	20	
Surr: 4-Bromofluorobenzene	0.78		0.9990		77.9	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
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory 4901 Hawkins NE

Sample Log-In Check List

ANALYSIS Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 LABORATORY Website: clients.hallenvironmental.com Client Name: **GHD Midland** Work Order Number: 2203E30 RcptNo: 1 Received By: Tracy Casarrubias 3/26/2022 1:50:00 PM Completed By: Tracy Casarrubias 3/26/2022 2:20:33 PM Reviewed By: 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 No 🗌 Yes V NA 🗌 Sample(s) in proper container(s)? Yes 🗸 No 🗌 6. Sufficient sample volume for indicated test(s)? Yes V No 🗌 7. Are samples (except VOA and ONG) properly preserved? No 🗆 Yes V 8. Was preservative added to bottles? No V Yes [NA 🗌 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes No 🗌 NA V Yes 10. Were any sample containers received broken? No V # of preserved bottles checked 11. Does paperwork match bottle labels? Yes 🗸 No 🗌 for pH: (Note discrepancies on chain of custody) (<2 or >12 unless noted) 12. Are matrices correctly identified on Chain of Custody? Adjusted? Yes 🗸 No L 13. Is it clear what analyses were requested? Yes V No Jn3/28/22 14. Were all holding times able to be met? Checked by: Yes 🗸 No 🗌 (If no, notify customer for authorization.) Special Handling (if applicable) 1

5. 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	5.1	Good	Yes			
2	5.8	Good	Yes			

O	:hain-	of-Cu	Chain-of-Custody Record	Turn-Around Time:	Time:				•	6		1					Kece
Client:	GHD			☑ Standard		# Rush S Own			- 4	Z	בנ	SIS		ANALYSIS LABORATORY	MATO	RY	ivea i
				Project Name:						www.	naller	viron	ment	www.hallenvironmental.com			by O
Mailing	Mailing Address:	,,,		General	Aw	Battery		1901	Hawk	4901 Hawkins NE	- 1	nbnq	erqu	Albuquerque, NM 87109	60		$\cup D$:
2135 S.	. Loop 25	50 W. Mid	2135 S. Loop 250 W. Midland, TX 79703	Project #:				Tel. 5	05-3	Tel. 505-345-3975	2	Fax	505	Fax 505-345-4107			3/2/
Phone #:	#:	(432) 686-0086			9662					H	Ana	Analysis Request	Red	iest			202
email or Fax#:	r Fax#:	Becky.H.	Becky. Haskell@ghd.com	Project Manager:	ger:			(0)			'09						2 6.
QA/QC	QA/QC Package:			Becky Haskell				111		SM	S '*C	- 04					30:
□ Standard	dard		☐ Level 4 (Full Validation)	Tom Larson	1					ISO.)d						20 A
Accreditation:	itation:	□ Az Co	☐ Az Compliance	Sampler:	Heath Boyd			2000		728	CON	•					IVI
□ NELAC	AC	□ Other		On Ice:	X Yes	□ No			17-		_		(AC	V			
□ EDC	□ EDD (Type)			# of Coolers: Z	2							_		V O(
				Cooler Temp	including CF): 5.1	- Ø 25.1					_)£ ∈			
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX /	08:H9T 9 1808	EDB (N	d sHA9	RCRA E	v) 09Z8	S) 07S8	Chlorid			
3/21/22 1100	1100	2		40.5c/1	4/4	100-	X	V						X			
,	1105		BH-24	1	J	-00-	X	\vee						メ			
	01)1		S7-182			7003	メ							X			5 17
	1 300		34-76			1-00-1	X	X						入			
	1305		72-40			-005	メ	义						×			
	1310		BH-28			9 00-	X	X						x			
	1315		84-29			7007	X	又						×			
	1400		08-42			-00K	X	人						×			
	SOHI		BH-31			-009	X	X						入			
-	0211	_	Bi Ramp - 3			-610	X	X						へ			
٨	1325	٨	Ramp - 4	, y	4	-011	×	X						×			5
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Date: 3/8/22	Time: 730	Relinquished by:		Received by:	ζ, ζ, ζ, ζ, ζ, ζ, ζ, ζ, ζ, ζ,	Sp 32 1730	œ	emark To	s: Ple m.La	sase e son@	mail: ghd.c	Chas com; Z	e_Se Zach	Remarks: Please email: Chase_Settle@eogresources.com; Tom.Larson@ghd.com; Zach.Comino@ghd.com;	esources ghd.com	.com;	
Dafe: 1	Time:	Relinquished by:		Received by:	Via: 62	Date Time 13:50		I cal	. <u></u>		0.5	abo	above.	neath. boyd@gild.com Along with becky maskell listed above.	I I I I I I I I I I I I I I I I I I I	ם ב	Pag
888	0°6 teles	3		1	1	2/20/2				Direc	t Bill	to EO	S	Direct Bill to EOG Chase Settle	as a		ge 2
	If necessary.	samples sut	If necessary samples submitted to Hall Environmental may be subcontracted to other accredited laboratories.	ontracted to other a	ccredited laboratories	. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.	idissod	ty. Any	sub-cor	tracted	lata will	be clea	rly nota	ted on the ana	lytical report.		03

Released to Imaging: 6/1/2022 10:30:03 AM

Please Email: Amber_Griffing egg resources. Com go

Part Environmental Communication Project Name: Project N	J	hain	J-Jo-	Chain-of-Custody Record	Turn-Around	Time:									
Project Name: Project Name	Client:	GHD			\(\overline{\mathbb{Z}}\) Standard		NOS.			Z Z			IR R	SNMENTA	
12 \(\triangle Cop 260 \triangle N \triangle N \triangle Cop 260 \triangle N \triangle					Project Nam	2								BOKA I OK	
12 \(\text{Coop} \)	Mailing	Addres	is.		Geran	Z	Battery	49	01 Hav	vkins N	, 7	I Plicit	nental.	com NM 87109	OCD:
17 2 2 2 2 2 2 2 2 2 2 2 2	2135 S	Loop 2	50 W. Mic	Iland, TX 79703	Project #:			ř	el. 505-	345-39		Fax	505-34	5-4107	5/27
Project Manager: Project Man	Phone	#:	(432) 68	9800-9			26				Ana	lysis	Redue	st	//20
Secretary Haskell Secr	email o	r Fax#:	Becky.H	laskell@ghd.com	Project Mana	ager:		_			.0	70			228
The contract of the contract	QA/QC	Package			Becky Haske	₹			s'B	SM	5 (0 14			30:
The compliance Sampler Health Boyd Sampler Sample	□ Star	ndard		□ Level 4 (Full Validation)	Tom Larson				ьс	IIS0	υd	0.1			28 /
Type	Accred	itation:	□ Az Co	mpliance	Sampler:	Heath Boyd			_		-01	17.01			4M
Type # of Coolers 2	□ NEL	AC	□ Other		On Ice:	X Yes	oN 🗆		_		_				
Time Matrix Sample Name Type and # Type Type and # Type and		(Type)			# of Coolers:	2					-				
Type and # Type and Type		0			Cooler Temp	(including CF): 5.	B				-				
1050 5 540-4 A 452-34/1 10/14 -0.12 12/14 12/14	Date				Container Type and #	Ş	9			7 1 2 22 1					
105 5\(\text{L}\) 2 \(\text{L}\) 3 \(\text{L}\)	Theshe	1050			1	NIA	710-	メ			-		1		
100 50-13	-		-	21	,	1	2013						×		
105 5W-14		1100		-			410-						×		F
55 12 H - 32		1105		SW-14			701.5						4		F
265 224-34		11.55		BH-32			9/0-	y N					4		F
2.05 2.44-34		0021		BH-33			710-						Ł		
210 224-35		1205		BH-34			\$10						×		
St - 36		0121		BH-35			510-	-					¥		
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Please Emall: Amber_Griffing engresownees.com

Chain-of-Custody Record	Turn-Around Time:	8
Client: GHD	✓ Standard ★ Rush 乙 ∩ C ✓	-
		DRATORY
Mailing Address:	Genera An Battery	www.hallenvironmental.com
2135 S. Loop 250 W. Midland, TX 79703		erque, NM 8/109
Phone #: (432) 686-0086	76622211	rax 505-345-4107
email or Fax#: Becky.Haskell@ghd.com	Project Manager:	*((
QA/QC Package:	Becky Haskell	s,g SI SI
☐ Standard ☐ Level 4 (Full Validation)		bO⁴ SIW
		082 1) (1) 027 1,270
□ NELAC □ Other	On Ice: X Yes \square No)8\s 5\80 .40 N
□ EDD (Type)	# of Coolers: 2	GE G
	Cooler Temp(including CF): S.J~&~S./	eticisto eti
Date Time Matrix Sample Name		H:801 F; Br F; Br F, Br F, Br Poride
I IIIIe Ividulix	and # Type	ТЕР 803 ВСС ВСС 828
1655 7 15H-40	402 SST 1 MA -024	X
Date: Time: Relinguished by:		
0091 22	Colored by: Saste Time	<u>~</u>
Dosopo 1900 Charles by:	Received by: VIa: Charles Time	above. Direct Bill to EOG Chase Settle
If necessary, samples submitted to Hall Evironmental may be subcontracted to other accredited laboratories.	7.1	tical report.



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

April 11, 2022

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

FAX

RE: Gerard AW Battery OrderNo.: 2203F69

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 15 sample(s) on 3/30/2022 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

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 4/11/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-41

 Project:
 Gerard AW Battery
 Collection Date: 3/28/2022 10:35:00 AM

 Lab ID:
 2203F69-001
 Matrix: SOIL
 Received Date: 3/30/2022 9:15:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	820	60	mg/Kg	20	4/4/2022 10:45:07 AM	66584
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	4/1/2022 1:15:23 AM	66507
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	4/1/2022 1:15:23 AM	66507
Surr: DNOP	84.9	51.1-141	%Rec	1	4/1/2022 1:15:23 AM	66507
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	3/31/2022 4:48:10 PM	66501
Surr: BFB	96.0	37.7-212	%Rec	1	3/31/2022 4:48:10 PM	66501
EPA METHOD 8021B: VOLATILES					Analyst	: BRM
Benzene	ND	0.024	mg/Kg	1	3/31/2022 4:48:10 PM	66501
Toluene	ND	0.047	mg/Kg	1	3/31/2022 4:48:10 PM	66501
Ethylbenzene	ND	0.047	mg/Kg	1	3/31/2022 4:48:10 PM	66501
Xylenes, Total	ND	0.095	mg/Kg	1	3/31/2022 4:48:10 PM	66501
Surr: 4-Bromofluorobenzene	96.4	70-130	%Rec	1	3/31/2022 4:48:10 PM	66501

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

Qualifiers:

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

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Date Reported: 4/11/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-42

 Project:
 Gerard AW Battery
 Collection Date: 3/28/2022 10:40:00 AM

 Lab ID:
 2203F69-002
 Matrix: SOIL
 Received Date: 3/30/2022 9:15:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	1200	60	mg/Kg	20	4/4/2022 10:57:32 AM	66584
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	58	10	mg/Kg	1	4/1/2022 1:26:11 AM	66507
Motor Oil Range Organics (MRO)	65	50	mg/Kg	1	4/1/2022 1:26:11 AM	66507
Surr: DNOP	80.0	51.1-141	%Rec	1	4/1/2022 1:26:11 AM	66507
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	3/31/2022 5:11:34 PM	66501
Surr: BFB	96.3	37.7-212	%Rec	1	3/31/2022 5:11:34 PM	66501
EPA METHOD 8021B: VOLATILES					Analyst	: BRM
Benzene	ND	0.024	mg/Kg	1	3/31/2022 5:11:34 PM	66501
Toluene	ND	0.048	mg/Kg	1	3/31/2022 5:11:34 PM	66501
Ethylbenzene	ND	0.048	mg/Kg	1	3/31/2022 5:11:34 PM	66501
Xylenes, Total	ND	0.097	mg/Kg	1	3/31/2022 5:11:34 PM	66501
Surr: 4-Bromofluorobenzene	99.2	70-130	%Rec	1	3/31/2022 5:11:34 PM	66501

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

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Date Reported: 4/11/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-43

 Project:
 Gerard AW Battery
 Collection Date: 3/28/2022 10:45:00 AM

 Lab ID:
 2203F69-003
 Matrix: SOIL
 Received Date: 3/30/2022 9:15:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	2300	60	mg/Kg	20	4/4/2022 11:09:57 AM	66584
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	29	9.9	mg/Kg	1	4/1/2022 1:47:44 AM	66507
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	4/1/2022 1:47:44 AM	66507
Surr: DNOP	69.8	51.1-141	%Rec	1	4/1/2022 1:47:44 AM	66507
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	3/31/2022 5:35:30 PM	66501
Surr: BFB	96.3	37.7-212	%Rec	1	3/31/2022 5:35:30 PM	66501
EPA METHOD 8021B: VOLATILES					Analyst	: BRM
Benzene	ND	0.024	mg/Kg	1	3/31/2022 5:35:30 PM	66501
Toluene	ND	0.048	mg/Kg	1	3/31/2022 5:35:30 PM	66501
Ethylbenzene	ND	0.048	mg/Kg	1	3/31/2022 5:35:30 PM	66501
Xylenes, Total	ND	0.095	mg/Kg	1	3/31/2022 5:35:30 PM	66501
Surr: 4-Bromofluorobenzene	96.9	70-130	%Rec	1	3/31/2022 5:35:30 PM	66501

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

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Date Reported: 4/11/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-44

 Project:
 Gerard AW Battery
 Collection Date: 3/28/2022 10:50:00 AM

 Lab ID:
 2203F69-004
 Matrix: SOIL
 Received Date: 3/30/2022 9:15:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	2500	150	mg/Kg	50	4/5/2022 8:39:40 PM	66584
EPA METHOD 8015M/D: DIESEL RANGE ORGA	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	53	9.8	mg/Kg	1	4/1/2022 1:58:29 AM	66507
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	4/1/2022 1:58:29 AM	66507
Surr: DNOP	78.6	51.1-141	%Rec	1	4/1/2022 1:58:29 AM	66507
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	24	mg/Kg	5	3/31/2022 7:12:15 PM	66501
Surr: BFB	100	37.7-212	%Rec	5	3/31/2022 7:12:15 PM	66501
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.12	mg/Kg	5	3/31/2022 7:12:15 PM	66501
Toluene	ND	0.24	mg/Kg	5	3/31/2022 7:12:15 PM	66501
Ethylbenzene	ND	0.24	mg/Kg	5	3/31/2022 7:12:15 PM	66501
Xylenes, Total	ND	0.48	mg/Kg	5	3/31/2022 7:12:15 PM	66501
Surr: 4-Bromofluorobenzene	99.6	70-130	%Rec	5	3/31/2022 7:12:15 PM	66501

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

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Date Reported: 4/11/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-45

 Project:
 Gerard AW Battery
 Collection Date: 3/28/2022 10:55:00 AM

 Lab ID:
 2203F69-005
 Matrix: SOIL
 Received Date: 3/30/2022 9:15:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	1800	60	mg/Kg	20	4/5/2022 6:23:14 PM	66637
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	340	9.4	mg/Kg	1	4/1/2022 2:09:14 AM	66507
Motor Oil Range Organics (MRO)	180	47	mg/Kg	1	4/1/2022 2:09:14 AM	66507
Surr: DNOP	89.8	51.1-141	%Rec	1	4/1/2022 2:09:14 AM	66507
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	25	mg/Kg	5	3/31/2022 7:36:24 PM	66501
Surr: BFB	107	37.7-212	%Rec	5	3/31/2022 7:36:24 PM	66501
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.12	mg/Kg	5	3/31/2022 7:36:24 PM	66501
Toluene	ND	0.25	mg/Kg	5	3/31/2022 7:36:24 PM	66501
Ethylbenzene	ND	0.25	mg/Kg	5	3/31/2022 7:36:24 PM	66501
Xylenes, Total	ND	0.49	mg/Kg	5	3/31/2022 7:36:24 PM	66501
Surr: 4-Bromofluorobenzene	104	70-130	%Rec	5	3/31/2022 7:36:24 PM	66501

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

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Date Reported: 4/11/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-46

 Project:
 Gerard AW Battery
 Collection Date: 3/28/2022 11:40:00 AM

 Lab ID:
 2203F69-006
 Matrix: SOIL
 Received Date: 3/30/2022 9:15:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	3100	150	mg/Kg	50	4/6/2022 10:57:04 AM	66637
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	270	9.8	mg/Kg	1	4/1/2022 2:30:38 AM	66507
Motor Oil Range Organics (MRO)	160	49	mg/Kg	1	4/1/2022 2:30:38 AM	66507
Surr: DNOP	102	51.1-141	%Rec	1	4/1/2022 2:30:38 AM	66507
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	24	mg/Kg	5	3/31/2022 8:00:37 PM	66501
Surr: BFB	102	37.7-212	%Rec	5	3/31/2022 8:00:37 PM	66501
EPA METHOD 8021B: VOLATILES					Analyst	: BRM
Benzene	ND	0.12	mg/Kg	5	3/31/2022 8:00:37 PM	66501
Toluene	ND	0.24	mg/Kg	5	3/31/2022 8:00:37 PM	66501
Ethylbenzene	ND	0.24	mg/Kg	5	3/31/2022 8:00:37 PM	66501
Xylenes, Total	ND	0.48	mg/Kg	5	3/31/2022 8:00:37 PM	66501
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	5	3/31/2022 8:00:37 PM	66501

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

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Date Reported: 4/11/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-47

 Project:
 Gerard AW Battery
 Collection Date: 3/28/2022 11:45:00 AM

 Lab ID:
 2203F69-007
 Matrix: SOIL
 Received Date: 3/30/2022 9:15:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	4600	150	mg/Kg	50	4/6/2022 11:09:29 AM	66637
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	150	9.6	mg/Kg	1	4/1/2022 2:51:44 AM	66507
Motor Oil Range Organics (MRO)	93	48	mg/Kg	1	4/1/2022 2:51:44 AM	66507
Surr: DNOP	107	51.1-141	%Rec	1	4/1/2022 2:51:44 AM	66507
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	24	mg/Kg	5	3/31/2022 8:24:48 PM	66501
Surr: BFB	107	37.7-212	%Rec	5	3/31/2022 8:24:48 PM	66501
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.12	mg/Kg	5	3/31/2022 8:24:48 PM	66501
Toluene	ND	0.24	mg/Kg	5	3/31/2022 8:24:48 PM	66501
Ethylbenzene	ND	0.24	mg/Kg	5	3/31/2022 8:24:48 PM	66501
Xylenes, Total	ND	0.47	mg/Kg	5	3/31/2022 8:24:48 PM	66501
Surr: 4-Bromofluorobenzene	104	70-130	%Rec	5	3/31/2022 8:24:48 PM	66501

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

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Date Reported: 4/11/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-48

 Project:
 Gerard AW Battery
 Collection Date: 3/28/2022 11:50:00 AM

 Lab ID:
 2203F69-008
 Matrix: SOIL
 Received Date: 3/30/2022 9:15:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	4800	300	mg/Kg	100	0 4/6/2022 11:46:43 AM	66637
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	290	10	mg/Kg	1	4/1/2022 3:02:24 AM	66507
Motor Oil Range Organics (MRO)	160	50	mg/Kg	1	4/1/2022 3:02:24 AM	66507
Surr: DNOP	99.3	51.1-141	%Rec	1	4/1/2022 3:02:24 AM	66507
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	25	mg/Kg	5	3/31/2022 8:48:59 PM	66501
Surr: BFB	103	37.7-212	%Rec	5	3/31/2022 8:48:59 PM	66501
EPA METHOD 8021B: VOLATILES					Analyst	: BRM
Benzene	ND	0.12	mg/Kg	5	3/31/2022 8:48:59 PM	66501
Toluene	ND	0.25	mg/Kg	5	3/31/2022 8:48:59 PM	66501
Ethylbenzene	ND	0.25	mg/Kg	5	3/31/2022 8:48:59 PM	66501
Xylenes, Total	ND	0.49	mg/Kg	5	3/31/2022 8:48:59 PM	66501
Surr: 4-Bromofluorobenzene	103	70-130	%Rec	5	3/31/2022 8:48:59 PM	66501

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

Page 8 of 19

Date Reported: 4/11/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-49

 Project:
 Gerard AW Battery
 Collection Date: 3/28/2022 11:55:00 AM

 Lab ID:
 2203F69-009
 Matrix: SOIL
 Received Date: 3/30/2022 9:15:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	3000	150	mg/Kg	50	4/6/2022 11:21:54 AM	66637
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	630	10	mg/Kg	1	4/1/2022 3:23:29 AM	66507
Motor Oil Range Organics (MRO)	330	50	mg/Kg	1	4/1/2022 3:23:29 AM	66507
Surr: DNOP	115	51.1-141	%Rec	1	4/1/2022 3:23:29 AM	66507
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	25	mg/Kg	5	3/31/2022 9:13:10 PM	66501
Surr: BFB	102	37.7-212	%Rec	5	3/31/2022 9:13:10 PM	66501
EPA METHOD 8021B: VOLATILES					Analyst	: BRM
Benzene	ND	0.12	mg/Kg	5	3/31/2022 9:13:10 PM	66501
Toluene	ND	0.25	mg/Kg	5	3/31/2022 9:13:10 PM	66501
Ethylbenzene	ND	0.25	mg/Kg	5	3/31/2022 9:13:10 PM	66501
Xylenes, Total	ND	0.49	mg/Kg	5	3/31/2022 9:13:10 PM	66501
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	5	3/31/2022 9:13:10 PM	66501

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

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Date Reported: 4/11/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-50

 Project:
 Gerard AW Battery
 Collection Date: 3/28/2022 12:00:00 PM

 Lab ID:
 2203F69-010
 Matrix: SOIL
 Received Date: 3/30/2022 9:15:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	3500	150	mg/Kg	50	4/6/2022 11:34:19 AM	66637
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: JME
Diesel Range Organics (DRO)	710	50	mg/Kg	5	4/1/2022 7:09:34 PM	66507
Motor Oil Range Organics (MRO)	450	250	mg/Kg	5	4/1/2022 7:09:34 PM	66507
Surr: DNOP	88.6	51.1-141	%Rec	5	4/1/2022 7:09:34 PM	66507
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	25	mg/Kg	5	3/31/2022 9:37:12 PM	66501
Surr: BFB	105	37.7-212	%Rec	5	3/31/2022 9:37:12 PM	66501
EPA METHOD 8021B: VOLATILES					Analyst	: BRM
Benzene	ND	0.12	mg/Kg	5	3/31/2022 9:37:12 PM	66501
Toluene	ND	0.25	mg/Kg	5	3/31/2022 9:37:12 PM	66501
Ethylbenzene	ND	0.25	mg/Kg	5	3/31/2022 9:37:12 PM	66501
Xylenes, Total	ND	0.49	mg/Kg	5	3/31/2022 9:37:12 PM	66501
Surr: 4-Bromofluorobenzene	104	70-130	%Rec	5	3/31/2022 9:37:12 PM	66501

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

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Date Reported: 4/11/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-51

 Project:
 Gerard AW Battery
 Collection Date: 3/28/2022 1:10:00 PM

 Lab ID:
 2203F69-011
 Matrix: SOIL
 Received Date: 3/30/2022 9:15:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	4600	300	mg/Kg	100	0 4/6/2022 11:59:08 AM	66637
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	SB
Diesel Range Organics (DRO)	68	9.8	mg/Kg	1	4/1/2022 8:36:04 AM	66507
Motor Oil Range Organics (MRO)	50	49	mg/Kg	1	4/1/2022 8:36:04 AM	66507
Surr: DNOP	88.9	51.1-141	%Rec	1	4/1/2022 8:36:04 AM	66507
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	3/31/2022 10:01:22 PM	66501
Surr: BFB	103	37.7-212	%Rec	1	3/31/2022 10:01:22 PM	66501
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.024	mg/Kg	1	3/31/2022 10:01:22 PM	66501
Toluene	ND	0.048	mg/Kg	1	3/31/2022 10:01:22 PM	66501
Ethylbenzene	ND	0.048	mg/Kg	1	3/31/2022 10:01:22 PM	66501
Xylenes, Total	ND	0.096	mg/Kg	1	3/31/2022 10:01:22 PM	66501
Surr: 4-Bromofluorobenzene	103	70-130	%Rec	1	3/31/2022 10:01:22 PM	66501

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

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Date Reported: 4/11/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-52

 Project:
 Gerard AW Battery
 Collection Date: 3/28/2022 1:15:00 PM

 Lab ID:
 2203F69-012
 Matrix: SOIL
 Received Date: 3/30/2022 9:15:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	JMT
Chloride	4100	150	mg/Kg	50	4/6/2022 5:09:23 PM	66638
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	SB
Diesel Range Organics (DRO)	100	10	mg/Kg	1	4/1/2022 8:46:37 AM	66507
Motor Oil Range Organics (MRO)	73	50	mg/Kg	1	4/1/2022 8:46:37 AM	66507
Surr: DNOP	123	51.1-141	%Rec	1	4/1/2022 8:46:37 AM	66507
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	25	mg/Kg	5	3/31/2022 10:25:30 PM	66501
Surr: BFB	103	37.7-212	%Rec	5	3/31/2022 10:25:30 PM	66501
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.12	mg/Kg	5	3/31/2022 10:25:30 PM	66501
Toluene	ND	0.25	mg/Kg	5	3/31/2022 10:25:30 PM	66501
Ethylbenzene	ND	0.25	mg/Kg	5	3/31/2022 10:25:30 PM	66501
Xylenes, Total	ND	0.49	mg/Kg	5	3/31/2022 10:25:30 PM	66501
Surr: 4-Bromofluorobenzene	102	70-130	%Rec	5	3/31/2022 10:25:30 PM	66501

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

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Date Reported: 4/11/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-53

 Project:
 Gerard AW Battery
 Collection Date: 3/28/2022 1:20:00 PM

 Lab ID:
 2203F69-013
 Matrix: SOIL
 Received Date: 3/30/2022 9:15:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	2700	150	mg/Kg	50	4/6/2022 5:21:48 PM	66638
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: JME
Diesel Range Organics (DRO)	260	49	mg/Kg	5	4/1/2022 7:31:02 PM	66507
Motor Oil Range Organics (MRO)	ND	250	mg/Kg	5	4/1/2022 7:31:02 PM	66507
Surr: DNOP	77.2	51.1-141	%Rec	5	4/1/2022 7:31:02 PM	66507
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	23	mg/Kg	5	3/31/2022 10:49:31 PM	66501
Surr: BFB	106	37.7-212	%Rec	5	3/31/2022 10:49:31 PM	66501
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.12	mg/Kg	5	3/31/2022 10:49:31 PM	66501
Toluene	ND	0.23	mg/Kg	5	3/31/2022 10:49:31 PM	66501
Ethylbenzene	ND	0.23	mg/Kg	5	3/31/2022 10:49:31 PM	66501
Xylenes, Total	ND	0.47	mg/Kg	5	3/31/2022 10:49:31 PM	66501
Surr: 4-Bromofluorobenzene	102	70-130	%Rec	5	3/31/2022 10:49:31 PM	66501

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

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Date Reported: 4/11/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-54

 Project:
 Gerard AW Battery
 Collection Date: 3/28/2022 1:25:00 PM

 Lab ID:
 2203F69-014
 Matrix: SOIL
 Received Date: 3/30/2022 9:15:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	2400	150	mg/Kg	50	4/6/2022 5:34:12 PM	66638
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	23	9.7	mg/Kg	1	4/1/2022 9:07:53 AM	66507
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	4/1/2022 9:07:53 AM	66507
Surr: DNOP	108	51.1-141	%Rec	1	4/1/2022 9:07:53 AM	66507
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	4/1/2022 12:01:30 AM	66501
Surr: BFB	103	37.7-212	%Rec	1	4/1/2022 12:01:30 AM	66501
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.024	mg/Kg	1	4/1/2022 12:01:30 AM	66501
Toluene	ND	0.048	mg/Kg	1	4/1/2022 12:01:30 AM	66501
Ethylbenzene	ND	0.048	mg/Kg	1	4/1/2022 12:01:30 AM	66501
Xylenes, Total	ND	0.096	mg/Kg	1	4/1/2022 12:01:30 AM	66501
Surr: 4-Bromofluorobenzene	104	70-130	%Rec	1	4/1/2022 12:01:30 AM	66501

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

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Date Reported: 4/11/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-55

 Project:
 Gerard AW Battery
 Collection Date: 3/28/2022 1:30:00 PM

 Lab ID:
 2203F69-015
 Matrix: SOIL
 Received Date: 3/30/2022 9:15:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	2100	150	mg/Kg	50	4/6/2022 6:11:26 PM	66638
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	35	9.9	mg/Kg	1	4/1/2022 9:18:30 AM	66507
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	4/1/2022 9:18:30 AM	66507
Surr: DNOP	120	51.1-141	%Rec	1	4/1/2022 9:18:30 AM	66507
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	4/1/2022 12:25:26 AM	66501
Surr: BFB	102	37.7-212	%Rec	1	4/1/2022 12:25:26 AM	66501
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.024	mg/Kg	1	4/1/2022 12:25:26 AM	66501
Toluene	ND	0.048	mg/Kg	1	4/1/2022 12:25:26 AM	66501
Ethylbenzene	ND	0.048	mg/Kg	1	4/1/2022 12:25:26 AM	66501
Xylenes, Total	ND	0.096	mg/Kg	1	4/1/2022 12:25:26 AM	66501
Surr: 4-Bromofluorobenzene	102	70-130	%Rec	1	4/1/2022 12:25:26 AM	66501

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

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GHD Midland

Client:

Hall Environmental Analysis Laboratory, Inc.

WO#: 2203F69

11-Apr-22

Project: Gerard	d AW Battery							
Sample ID: MB-66584	SampType: mblk	SampType: mblk TestCode: EPA Method 300.0: Anions						
Client ID: PBS	Batch ID: 66584	RunNo: 86923						
Prep Date: 4/1/2022	Analysis Date: 4/2/2022	SeqNo: 3072196	Units: mg/Kg					
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual				
Chloride	ND 1.5							
Sample ID: LCS-66584	SampType: Ics	TestCode: EPA Method	300.0: Anions					
Client ID: LCSS	Batch ID: 66584	RunNo: 86923						
Prep Date: 4/1/2022	Analysis Date: 4/2/2022	SeqNo: 3072197	Units: mg/Kg					
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual				
Chloride	14 1.5 15.00	0 93.2 90	110					
Sample ID: MB-66637	SampType: mblk TestCode: EPA Method 300.0: Anions							
Client ID: PBS	Batch ID: 66637	66637 RunNo: 86993						
Prep Date: 4/5/2022	Analysis Date: 4/5/2022	SeqNo: 3075207 Units: mg/Kg						
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual				
Chloride	ND 1.5							
Sample ID: LCS-66637	SampType: Ics	TestCode: EPA Method	300.0: Anions					
Client ID: LCSS	Batch ID: 66637	RunNo: 86993						
Prep Date: 4/5/2022	Analysis Date: 4/5/2022	SeqNo: 3075208 Units: mg/Kg						
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual				
Chloride	14 1.5 15.00	0 92.9 90	110					
Sample ID: MB-66638	SampType: mblk	TestCode: EPA Method 300.0: Anions						
Client ID: PBS	Batch ID: 66638	RunNo: 87038						
Prep Date: 4/5/2022	Analysis Date: 4/6/2022	SeqNo: 3077760	Units: mg/Kg					

Analyte

Chloride

Analyte

Sample ID: LCS-66638

Prep Date: 4/5/2022

Client ID: LCSS

Chloride

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

Result

Result

14

ND

PQL

SampType: Ics

Batch ID: 66638

Analysis Date: 4/6/2022

PQL

1.5

1.5

Analyte detected in the associated Method Blank

RunNo: 87038

91.3

SeqNo: 3077761

Estimated value

SPK value SPK Ref Val %REC

15.00

SPK value SPK Ref Val %REC LowLimit

- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

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RPDLimit

RPDLimit

Qual

%RPD

%RPD

HighLimit

Units: mg/Kg HighLimit

110

TestCode: EPA Method 300.0: Anions

LowLimit

Hall Environmental Analysis Laboratory, Inc.

11-Apr-22

2203F69

WO#:

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: LCS-66507 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 66507 RunNo: 86887 Prep Date: 3/30/2022 Analysis Date: 3/31/2022 SeqNo: 3069715 Units: mg/Kg PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Analyte Result Diesel Range Organics (DRO) 10 0 45 50.00 90.1 68.9 135 Surr: DNOP 3.8 5.000 75.1 51.1 141

Sample ID: MB-66507 TestCode: EPA Method 8015M/D: Diesel Range Organics SampType: MBLK Client ID: PBS Batch ID: 66507 RunNo: 86887 Prep Date: 3/30/2022 Analysis Date: 3/31/2022 SeqNo: 3069718 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) ND 10

Motor Oil Range Organics (MRO) ND 50
Surr: DNOP 8.9 10.00 88.8 51.1 141

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2203F69** *11-Apr-22*

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: Ics-66501 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range Client ID: LCSS RunNo: 86898 Batch ID: 66501 Prep Date: 3/30/2022 Analysis Date: 3/31/2022 SeqNo: 3070030 Units: mg/Kg PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Analyte Result

 Gasoline Range Organics (GRO)
 27
 5.0
 25.00
 0
 107
 72.3
 137

 Surr: BFB
 2100
 1000
 212
 37.7
 212

Sample ID: mb-66501 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 66501 RunNo: 86898

Prep Date: 3/30/2022 Analysis Date: 3/31/2022 SeqNo: 3070031 Units: mg/Kg

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

Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 970 1000 97.1 37.7 212

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2203F69**

11-Apr-22

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: LCS-66501 Client ID: LCSS	·	Гуре: LC h ID: 66 !		TestCode: EPA Method RunNo: 86898			8021B: Volat	iles		
Prep Date: 3/30/2022	Analysis D	Date: 3/	31/2022	SeqNo: 3070054			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.025	1.000	0	88.4	80	120			
Toluene	0.90	0.050	1.000	0	90.4	80	120			
Ethylbenzene	0.90	0.050	1.000	0	90.1	80	120			
Xylenes, Total	2.7	0.10	3.000	0	91.5	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		101	70	130			

Sample ID: mb-66501	Samp1	Гуре: МЕ	BLK	TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batcl	h ID: 66	501	F	RunNo: 8	6898				
Prep Date: 3/30/2022	Analysis [Date: 3/	31/2022	SeqNo: 3070055			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	0.97		1.000		97.0	70	130			

Qualifiers:

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

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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 Num	nber: 220	3F69			RcptNo: 1	
Received By: Juan Rojas	3/30/2022 9:15:00	AM		Liane	39		
Completed By: Sean Livingston	3/30/2022 9:47:45			~	1	n - 1	
Reviewed By: 7n 3/30/22				<i>ب</i> ر	-6	John .	
Chain of Custody							
1. Is Chain of Custody complete?		Yes	~	No		Not Present	
2. How was the sample delivered?		Cou	rier				
Log In							
3. Was an attempt made to cool the sample	es?	Yes	✓	No		NA 🗆	
4. Were all samples received at a temperat	ure of >0° C to 6.0°C	Yes	V	No		NA 🗆	
5. Sample(s) in proper container(s)?		Yes	V	No			
6. Sufficient sample volume for indicated te	st(s)?	Yes	V	No [
7. Are samples (except VOA and ONG) pro		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 🗸	1
10. Were any sample containers received br	oken?	Yes		No	V	# # # ********	_
44					_	# of preserved bottles checked	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes	V	No [for pH: (<2 or >12 u	nless noted)
12. Are matrices correctly identified on Chair		Yes	~	No [Adjusted?	
13. Is it clear what analyses were requested?	•	Yes	V	No [
14. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes	V	No [Checked by: TMC	3/30/22
Special Handling (if applicable)						/	
15. Was client notified of all discrepancies w	ith this order?	Yes		No		NA 🗹	
Person Notified:	Date				_		
By Whom:	Via:	☐ eM	ail 🗌	Phone	Fax	☐ In Person	
Regarding:							
Client Instructions:							
16. Additional remarks:							
17. Cooler Information							
Cooler No Temp °C Condition 1 0.3 Good	Seal Intact Seal No	Seal D	ate	Signed B	У		

Plase Email: Amber Griffing eoglesources. Com

HALL ENVIRONMENTAL HALL EN	S	hair	J-Jo-L	Chain-of-Custody Record	Turn-Around Time:	d Time:									7100
ANALYSTS ABORATORY ANALYSTS	Client:	몽			☐ ☑ Standar				<u> </u>	MI		IVI	ROL	MENT	
So W Midland TX 79703					Project Nan		1		4	Z	LYS	IS	LAB	ORATO	
1 2 2 3 3 3 3 3 3 3 3	Mailing A	Addres	iš.		Geras	JH J	Battery			www.h	allenvir	onme	ntal.cor	_	
1 2 2 3 3 3 3 3 3 3 3	2135 S.	Loop 2	50 W. Mi	X	1.0			4901	Hawki	ns NE	- Albu	Idner	lne, NM	87109	. 0, 2
Direct Heaviel Sectiv Heaviel Becky Heav	Phone #:		(432) 6	9	,	62221	76	lel.	505-34	5-397		ж 50	5-345-4	107	
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of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Flose Enail: Mimber Sriffin @ 209 resources, conty



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

April 12, 2022

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

FAX:

RE: Gerard AW Battery OrderNo.: 2203G95

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 23 sample(s) on 3/31/2022 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

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order 2203G95

Date Reported: 4/12/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SWX-2A

 Project:
 Gerard AW Battery
 Collection Date: 3/29/2022 8:20:00 AM

 Lab ID:
 2203G95-001
 Matrix: SOIL
 Received Date: 3/31/2022 9:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	4500	150	mg/Kg	50	4/7/2022 2:47:11 PM	66681
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	TOM
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	4/4/2022 4:58:07 PM	66587
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	4/4/2022 4:58:07 PM	66587
Surr: DNOP	84.8	51.1-141	%Rec	1	4/4/2022 4:58:07 PM	66587
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	4/4/2022 8:12:00 PM	66561
Surr: BFB	101	37.7-212	%Rec	1	4/4/2022 8:12:00 PM	66561
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.024	mg/Kg	1	4/4/2022 8:12:00 PM	66561
Toluene	ND	0.047	mg/Kg	1	4/4/2022 8:12:00 PM	66561
Ethylbenzene	ND	0.047	mg/Kg	1	4/4/2022 8:12:00 PM	66561
Xylenes, Total	ND	0.094	mg/Kg	1	4/4/2022 8:12:00 PM	66561
Surr: 4-Bromofluorobenzene	80.2	70-130	%Rec	1	4/4/2022 8:12:00 PM	66561

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

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Lab Order 2203G95

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 4/12/2022

CLIENT: GHD Midland Client Sample ID: SWX-3A

 Project:
 Gerard AW Battery
 Collection Date: 3/29/2022 8:25:00 AM

 Lab ID:
 2203G95-002
 Matrix: SOIL
 Received Date: 3/31/2022 9:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	3200	150	mg/Kg	50	4/7/2022 2:59:35 PM	66681
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	TOM
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	4/4/2022 5:12:11 PM	66587
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	4/4/2022 5:12:11 PM	66587
Surr: DNOP	86.5	51.1-141	%Rec	1	4/4/2022 5:12:11 PM	66587
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	4/4/2022 8:32:00 PM	66561
Surr: BFB	99.4	37.7-212	%Rec	1	4/4/2022 8:32:00 PM	66561
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.024	mg/Kg	1	4/4/2022 8:32:00 PM	66561
Toluene	ND	0.049	mg/Kg	1	4/4/2022 8:32:00 PM	66561
Ethylbenzene	ND	0.049	mg/Kg	1	4/4/2022 8:32:00 PM	66561
Xylenes, Total	ND	0.098	mg/Kg	1	4/4/2022 8:32:00 PM	66561
Surr: 4-Bromofluorobenzene	80.6	70-130	%Rec	1	4/4/2022 8:32:00 PM	66561

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

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Lab Order 2203G95

Date Reported: 4/12/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SWX-6A

 Project:
 Gerard AW Battery
 Collection Date: 3/29/2022 8:30:00 AM

 Lab ID:
 2203G95-003
 Matrix: SOIL
 Received Date: 3/31/2022 9:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	CAS
Chloride	1300	61	mg/Kg	20	4/7/2022 3:36:49 PM	66681
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst:	TOM
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	4/4/2022 5:26:34 PM	66587
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	4/4/2022 5:26:34 PM	66587
Surr: DNOP	87.4	51.1-141	%Rec	1	4/4/2022 5:26:34 PM	66587
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	4/4/2022 8:51:00 PM	66561
Surr: BFB	98.7	37.7-212	%Rec	1	4/4/2022 8:51:00 PM	66561
EPA METHOD 8021B: VOLATILES					Analyst:	BRM
Benzene	ND	0.023	mg/Kg	1	4/4/2022 8:51:00 PM	66561
Toluene	ND	0.046	mg/Kg	1	4/4/2022 8:51:00 PM	66561
Ethylbenzene	ND	0.046	mg/Kg	1	4/4/2022 8:51:00 PM	66561
Xylenes, Total	ND	0.092	mg/Kg	1	4/4/2022 8:51:00 PM	66561
Surr: 4-Bromofluorobenzene	80.4	70-130	%Rec	1	4/4/2022 8:51:00 PM	66561

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

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Lab Order 2203G95

Hall Environmental Analysis Laboratory, Inc. Date Reported: 4/12/2022

CLIENT: GHD Midland Client Sample ID: SWX-7

 Project:
 Gerard AW Battery
 Collection Date: 3/29/2022 8:35:00 AM

 Lab ID:
 2203G95-004
 Matrix: SOIL
 Received Date: 3/31/2022 9:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	CAS
Chloride	5000	150	mg/Kg	50	4/7/2022 3:49:13 PM	66681
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	TOM
Diesel Range Organics (DRO)	14	9.7	mg/Kg	1	4/4/2022 5:41:02 PM	66587
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	4/4/2022 5:41:02 PM	66587
Surr: DNOP	88.6	51.1-141	%Rec	1	4/4/2022 5:41:02 PM	66587
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	4/4/2022 9:11:00 PM	66561
Surr: BFB	101	37.7-212	%Rec	1	4/4/2022 9:11:00 PM	66561
EPA METHOD 8021B: VOLATILES					Analyst:	BRM
Benzene	ND	0.025	mg/Kg	1	4/4/2022 9:11:00 PM	66561
Toluene	ND	0.050	mg/Kg	1	4/4/2022 9:11:00 PM	66561
Ethylbenzene	ND	0.050	mg/Kg	1	4/4/2022 9:11:00 PM	66561
Xylenes, Total	ND	0.099	mg/Kg	1	4/4/2022 9:11:00 PM	66561
Surr: 4-Bromofluorobenzene	79.9	70-130	%Rec	1	4/4/2022 9:11:00 PM	66561

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

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Lab Order 2203G95

Date Reported: 4/12/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SWX-8

 Project:
 Gerard AW Battery
 Collection Date: 3/29/2022 8:40:00 AM

 Lab ID:
 2203G95-005
 Matrix: SOIL
 Received Date: 3/31/2022 9:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	3200	150	mg/Kg	50	4/7/2022 4:01:38 PM	66681
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	SB
Diesel Range Organics (DRO)	950	9.8	mg/Kg	1	4/5/2022 2:31:28 PM	66587
Motor Oil Range Organics (MRO)	380	49	mg/Kg	1	4/5/2022 2:31:28 PM	66587
Surr: DNOP	122	51.1-141	%Rec	1	4/5/2022 2:31:28 PM	66587
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	4/4/2022 9:31:00 PM	66561
Surr: BFB	106	37.7-212	%Rec	1	4/4/2022 9:31:00 PM	66561
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.024	mg/Kg	1	4/4/2022 9:31:00 PM	66561
Toluene	ND	0.048	mg/Kg	1	4/4/2022 9:31:00 PM	66561
Ethylbenzene	ND	0.048	mg/Kg	1	4/4/2022 9:31:00 PM	66561
Xylenes, Total	ND	0.095	mg/Kg	1	4/4/2022 9:31:00 PM	66561
Surr: 4-Bromofluorobenzene	84.7	70-130	%Rec	1	4/4/2022 9:31:00 PM	66561

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

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Lab Order 2203G95

Date Reported: 4/12/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SWX-9

 Project:
 Gerard AW Battery
 Collection Date: 3/29/2022 8:45:00 AM

 Lab ID:
 2203G95-006
 Matrix: SOIL
 Received Date: 3/31/2022 9:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	CAS
Chloride	2300	150	mg/Kg	50	4/7/2022 4:14:02 PM	66681
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	SB
Diesel Range Organics (DRO)	540	9.9	mg/Kg	1	4/5/2022 3:14:00 PM	66587
Motor Oil Range Organics (MRO)	240	49	mg/Kg	1	4/5/2022 3:14:00 PM	66587
Surr: DNOP	104	51.1-141	%Rec	1	4/5/2022 3:14:00 PM	66587
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	23	mg/Kg	5	4/4/2022 9:50:00 PM	66561
Surr: BFB	123	37.7-212	%Rec	5	4/4/2022 9:50:00 PM	66561
EPA METHOD 8021B: VOLATILES					Analyst:	BRM
Benzene	ND	0.11	mg/Kg	5	4/4/2022 9:50:00 PM	66561
Toluene	ND	0.23	mg/Kg	5	4/4/2022 9:50:00 PM	66561
Ethylbenzene	ND	0.23	mg/Kg	5	4/4/2022 9:50:00 PM	66561
Xylenes, Total	ND	0.46	mg/Kg	5	4/4/2022 9:50:00 PM	66561
Surr: 4-Bromofluorobenzene	87.4	70-130	%Rec	5	4/4/2022 9:50:00 PM	66561

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

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Lab Order 2203G95

Date Reported: 4/12/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SWX-10

 Project:
 Gerard AW Battery
 Collection Date: 3/29/2022 8:50:00 AM

 Lab ID:
 2203G95-007
 Matrix: SOIL
 Received Date: 3/31/2022 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	CAS
Chloride	3800	150		mg/Kg	50	4/7/2022 4:26:26 PM	66681
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS					Analyst:	SB
Diesel Range Organics (DRO)	3000	93		mg/Kg	10	4/5/2022 3:35:18 PM	66587
Motor Oil Range Organics (MRO)	1300	460		mg/Kg	10	4/5/2022 3:35:18 PM	66587
Surr: DNOP	0	51.1-141	S	%Rec	10	4/5/2022 3:35:18 PM	66587
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	BRM
Gasoline Range Organics (GRO)	63	23		mg/Kg	5	4/4/2022 10:10:00 PM	66561
Surr: BFB	255	37.7-212	S	%Rec	5	4/4/2022 10:10:00 PM	66561
EPA METHOD 8021B: VOLATILES						Analyst:	BRM
Benzene	ND	0.12		mg/Kg	5	4/4/2022 10:10:00 PM	66561
Toluene	ND	0.23		mg/Kg	5	4/4/2022 10:10:00 PM	66561
Ethylbenzene	0.91	0.23		mg/Kg	5	4/4/2022 10:10:00 PM	66561
Xylenes, Total	0.47	0.46		mg/Kg	5	4/4/2022 10:10:00 PM	66561
Surr: 4-Bromofluorobenzene	112	70-130		%Rec	5	4/4/2022 10:10:00 PM	66561

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

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Lab Order 2203G95

Date Reported: 4/12/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SWX-11

 Project:
 Gerard AW Battery
 Collection Date: 3/29/2022 9:35:00 AM

 Lab ID:
 2203G95-008
 Matrix: SOIL
 Received Date: 3/31/2022 9:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	2000	150	mg/Kg	50	4/7/2022 4:38:51 PM	66681
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	4/5/2022 3:56:35 PM	66587
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	4/5/2022 3:56:35 PM	66587
Surr: DNOP	102	51.1-141	%Rec	1	4/5/2022 3:56:35 PM	66587
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	4/4/2022 11:29:00 PM	66561
Surr: BFB	101	37.7-212	%Rec	1	4/4/2022 11:29:00 PM	66561
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.024	mg/Kg	1	4/4/2022 11:29:00 PM	66561
Toluene	ND	0.047	mg/Kg	1	4/4/2022 11:29:00 PM	66561
Ethylbenzene	ND	0.047	mg/Kg	1	4/4/2022 11:29:00 PM	66561
Xylenes, Total	ND	0.095	mg/Kg	1	4/4/2022 11:29:00 PM	66561
Surr: 4-Bromofluorobenzene	81.1	70-130	%Rec	1	4/4/2022 11:29:00 PM	66561

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

Qualifiers:

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

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Lab Order 2203G95

Hall Environmental Analysis Laboratory, Inc. Date Reported: 4/12/2022

CLIENT: GHD Midland Client Sample ID: SWX-12

 Project:
 Gerard AW Battery
 Collection Date: 3/29/2022 9:40:00 AM

 Lab ID:
 2203G95-009
 Matrix: SOIL
 Received Date: 3/31/2022 9:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	5300	300	mg/Kg	100	0 4/7/2022 4:51:15 PM	66681
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	SB
Diesel Range Organics (DRO)	2200	50	mg/Kg	5	4/5/2022 4:07:13 PM	66587
Motor Oil Range Organics (MRO)	1000	250	mg/Kg	5	4/5/2022 4:07:13 PM	66587
Surr: DNOP	103	51.1-141	%Rec	5	4/5/2022 4:07:13 PM	66587
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	54	25	mg/Kg	5	4/4/2022 11:49:00 PM	66561
Surr: BFB	165	37.7-212	%Rec	5	4/4/2022 11:49:00 PM	66561
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.12	mg/Kg	5	4/4/2022 11:49:00 PM	66561
Toluene	ND	0.25	mg/Kg	5	4/4/2022 11:49:00 PM	66561
Ethylbenzene	ND	0.25	mg/Kg	5	4/4/2022 11:49:00 PM	66561
Xylenes, Total	ND	0.49	mg/Kg	5	4/4/2022 11:49:00 PM	66561
Surr: 4-Bromofluorobenzene	105	70-130	%Rec	5	4/4/2022 11:49:00 PM	66561

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

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Lab Order 2203G95

Date Reported: 4/12/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SWX-13

 Project:
 Gerard AW Battery
 Collection Date: 3/29/2022 9:45:00 AM

 Lab ID:
 2203G95-010
 Matrix: SOIL
 Received Date: 3/31/2022 9:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	CAS
Chloride	6000	300	mg/Kg	100	4/7/2022 5:03:39 PM	66681
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst:	SB
Diesel Range Organics (DRO)	1100	50	mg/Kg	5	4/5/2022 4:49:47 PM	66587
Motor Oil Range Organics (MRO)	550	250	mg/Kg	5	4/5/2022 4:49:47 PM	66587
Surr: DNOP	116	51.1-141	%Rec	5	4/5/2022 4:49:47 PM	66587
EPA METHOD 8015D: GASOLINE RANGE					Analyst:	BRM
Gasoline Range Organics (GRO)	ND	23	mg/Kg	5	4/5/2022 12:09:00 AM	66561
Surr: BFB	125	37.7-212	%Rec	5	4/5/2022 12:09:00 AM	66561
EPA METHOD 8021B: VOLATILES					Analyst:	BRM
Benzene	ND	0.11	mg/Kg	5	4/5/2022 12:09:00 AM	66561
Toluene	ND	0.23	mg/Kg	5	4/5/2022 12:09:00 AM	66561
Ethylbenzene	ND	0.23	mg/Kg	5	4/5/2022 12:09:00 AM	66561
Xylenes, Total	ND	0.46	mg/Kg	5	4/5/2022 12:09:00 AM	66561
Surr: 4-Bromofluorobenzene	85.3	70-130	%Rec	5	4/5/2022 12:09:00 AM	66561

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

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Lab Order 2203G95

Date Reported: 4/12/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SWX-14

 Project:
 Gerard AW Battery
 Collection Date: 3/29/2022 9:50:00 AM

 Lab ID:
 2203G95-011
 Matrix: SOIL
 Received Date: 3/31/2022 9:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	CAS
Chloride	6000	300	mg/Kg	100	0 4/7/2022 5:16:04 PM	66681
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst:	SB
Diesel Range Organics (DRO)	96	10	mg/Kg	1	4/5/2022 5:11:02 PM	66587
Motor Oil Range Organics (MRO)	63	50	mg/Kg	1	4/5/2022 5:11:02 PM	66587
Surr: DNOP	126	51.1-141	%Rec	1	4/5/2022 5:11:02 PM	66587
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	4/5/2022 12:28:00 AM	66561
Surr: BFB	95.7	37.7-212	%Rec	1	4/5/2022 12:28:00 AM	66561
EPA METHOD 8021B: VOLATILES					Analyst:	BRM
Benzene	ND	0.025	mg/Kg	1	4/5/2022 12:28:00 AM	66561
Toluene	ND	0.049	mg/Kg	1	4/5/2022 12:28:00 AM	66561
Ethylbenzene	ND	0.049	mg/Kg	1	4/5/2022 12:28:00 AM	66561
Xylenes, Total	ND	0.098	mg/Kg	1	4/5/2022 12:28:00 AM	66561
Surr: 4-Bromofluorobenzene	77.5	70-130	%Rec	1	4/5/2022 12:28:00 AM	66561

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

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Lab Order **2203G95**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 4/12/2022

CLIENT: GHD Midland Client Sample ID: SWX-15

 Project:
 Gerard AW Battery
 Collection Date: 3/29/2022 9:55:00 AM

 Lab ID:
 2203G95-012
 Matrix: SOIL
 Received Date: 3/31/2022 9:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	CAS
Chloride	7600	300	mg/Kg	100	0 4/7/2022 11:15:08 AM	66684
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst:	SB
Diesel Range Organics (DRO)	11	9.5	mg/Kg	1	4/6/2022 5:55:24 PM	66634
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	4/6/2022 5:55:24 PM	66634
Surr: DNOP	85.9	51.1-141	%Rec	1	4/6/2022 5:55:24 PM	66634
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	4/5/2022 1:47:00 AM	66572
Surr: BFB	94.4	37.7-212	%Rec	1	4/5/2022 1:47:00 AM	66572
EPA METHOD 8021B: VOLATILES					Analyst:	BRM
Benzene	ND	0.024	mg/Kg	1	4/5/2022 1:47:00 AM	66572
Toluene	ND	0.047	mg/Kg	1	4/5/2022 1:47:00 AM	66572
Ethylbenzene	ND	0.047	mg/Kg	1	4/5/2022 1:47:00 AM	66572
Xylenes, Total	ND	0.094	mg/Kg	1	4/5/2022 1:47:00 AM	66572
Surr: 4-Bromofluorobenzene	79.1	70-130	%Rec	1	4/5/2022 1:47:00 AM	66572

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

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Lab Order 2203G95

Date Reported: 4/12/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-15

 Project:
 Gerard AW Battery
 Collection Date: 3/29/2022 10:40:00 AM

 Lab ID:
 2203G95-013
 Matrix: SOIL
 Received Date: 3/31/2022 9:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	370	60	mg/Kg	20	4/6/2022 7:01:35 PM	66684
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	82	8.9	mg/Kg	1	4/6/2022 6:06:12 PM	66634
Motor Oil Range Organics (MRO)	62	45	mg/Kg	1	4/6/2022 6:06:12 PM	66634
Surr: DNOP	85.7	51.1-141	%Rec	1	4/6/2022 6:06:12 PM	66634
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	4/5/2022 2:47:00 AM	66572
Surr: BFB	98.4	37.7-212	%Rec	1	4/5/2022 2:47:00 AM	66572
EPA METHOD 8021B: VOLATILES					Analyst	: BRM
Benzene	ND	0.023	mg/Kg	1	4/5/2022 2:47:00 AM	66572
Toluene	ND	0.047	mg/Kg	1	4/5/2022 2:47:00 AM	66572
Ethylbenzene	ND	0.047	mg/Kg	1	4/5/2022 2:47:00 AM	66572
Xylenes, Total	ND	0.093	mg/Kg	1	4/5/2022 2:47:00 AM	66572
Surr: 4-Bromofluorobenzene	78.3	70-130	%Rec	1	4/5/2022 2:47:00 AM	66572

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

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Lab Order 2203G95

Date Reported: 4/12/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-16

 Project:
 Gerard AW Battery
 Collection Date: 3/29/2022 10:45:00 AM

 Lab ID:
 2203G95-014
 Matrix: SOIL
 Received Date: 3/31/2022 9:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	520	60	mg/Kg	20	4/6/2022 7:13:59 PM	66684
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	8.9	mg/Kg	1	4/6/2022 6:16:59 PM	66634
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	4/6/2022 6:16:59 PM	66634
Surr: DNOP	86.0	51.1-141	%Rec	1	4/6/2022 6:16:59 PM	66634
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	4/5/2022 3:46:00 AM	66572
Surr: BFB	94.3	37.7-212	%Rec	1	4/5/2022 3:46:00 AM	66572
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.024	mg/Kg	1	4/5/2022 3:46:00 AM	66572
Toluene	ND	0.049	mg/Kg	1	4/5/2022 3:46:00 AM	66572
Ethylbenzene	ND	0.049	mg/Kg	1	4/5/2022 3:46:00 AM	66572
Xylenes, Total	ND	0.098	mg/Kg	1	4/5/2022 3:46:00 AM	66572
Surr: 4-Bromofluorobenzene	77.8	70-130	%Rec	1	4/5/2022 3:46:00 AM	66572

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

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Lab Order **2203G95**

Date Reported: 4/12/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-17

 Project:
 Gerard AW Battery
 Collection Date: 3/29/2022 10:50:00 AM

 Lab ID:
 2203G95-015
 Matrix: SOIL
 Received Date: 3/31/2022 9:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	JMT
Chloride	720	60	mg/Kg	20	4/6/2022 7:26:23 PM	66684
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	SB
Diesel Range Organics (DRO)	12	9.8	mg/Kg	1	4/6/2022 6:27:46 PM	66634
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	4/6/2022 6:27:46 PM	66634
Surr: DNOP	92.2	51.1-141	%Rec	1	4/6/2022 6:27:46 PM	66634
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	4/5/2022 4:06:00 AM	66572
Surr: BFB	97.8	37.7-212	%Rec	1	4/5/2022 4:06:00 AM	66572
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.024	mg/Kg	1	4/5/2022 4:06:00 AM	66572
Toluene	ND	0.047	mg/Kg	1	4/5/2022 4:06:00 AM	66572
Ethylbenzene	ND	0.047	mg/Kg	1	4/5/2022 4:06:00 AM	66572
Xylenes, Total	ND	0.095	mg/Kg	1	4/5/2022 4:06:00 AM	66572
Surr: 4-Bromofluorobenzene	80.0	70-130	%Rec	1	4/5/2022 4:06:00 AM	66572

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

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Lab Order **2203G95**

Date Reported: 4/12/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-18

 Project:
 Gerard AW Battery
 Collection Date: 3/29/2022 10:55:00 AM

 Lab ID:
 2203G95-016
 Matrix: SOIL
 Received Date: 3/31/2022 9:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	JMT
Chloride	480	60	mg/Kg	20	4/6/2022 7:38:47 PM	66684
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	4/6/2022 6:38:31 PM	66634
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	4/6/2022 6:38:31 PM	66634
Surr: DNOP	87.3	51.1-141	%Rec	1	4/6/2022 6:38:31 PM	66634
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	4/5/2022 4:26:00 AM	66572
Surr: BFB	96.0	37.7-212	%Rec	1	4/5/2022 4:26:00 AM	66572
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.024	mg/Kg	1	4/5/2022 4:26:00 AM	66572
Toluene	ND	0.048	mg/Kg	1	4/5/2022 4:26:00 AM	66572
Ethylbenzene	ND	0.048	mg/Kg	1	4/5/2022 4:26:00 AM	66572
Xylenes, Total	ND	0.096	mg/Kg	1	4/5/2022 4:26:00 AM	66572
Surr: 4-Bromofluorobenzene	76.6	70-130	%Rec	1	4/5/2022 4:26:00 AM	66572

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

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Lab Order 2203G95

Date Reported: 4/12/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-19

 Project:
 Gerard AW Battery
 Collection Date: 3/29/2022 11:00:00 AM

 Lab ID:
 2203G95-017
 Matrix: SOIL
 Received Date: 3/31/2022 9:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: ЈМТ
Chloride	1500	59	mg/Kg	20	4/6/2022 7:51:12 PM	66684
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	17	8.5	mg/Kg	1	4/6/2022 6:49:16 PM	66634
Motor Oil Range Organics (MRO)	ND	42	mg/Kg	1	4/6/2022 6:49:16 PM	66634
Surr: DNOP	86.6	51.1-141	%Rec	1	4/6/2022 6:49:16 PM	66634
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	4/5/2022 4:45:00 AM	66572
Surr: BFB	99.7	37.7-212	%Rec	1	4/5/2022 4:45:00 AM	66572
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.023	mg/Kg	1	4/5/2022 4:45:00 AM	66572
Toluene	ND	0.046	mg/Kg	1	4/5/2022 4:45:00 AM	66572
Ethylbenzene	ND	0.046	mg/Kg	1	4/5/2022 4:45:00 AM	66572
Xylenes, Total	ND	0.092	mg/Kg	1	4/5/2022 4:45:00 AM	66572
Surr: 4-Bromofluorobenzene	80.2	70-130	%Rec	1	4/5/2022 4:45:00 AM	66572

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

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Lab Order 2203G95

Date Reported: 4/12/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-20

 Project:
 Gerard AW Battery
 Collection Date: 3/29/2022 12:00:00 PM

 Lab ID:
 2203G95-018
 Matrix: SOIL
 Received Date: 3/31/2022 9:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	CAS
Chloride	3700	150	mg/Kg	50	4/7/2022 11:27:32 AM	66684
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	SB
Diesel Range Organics (DRO)	110	9.0	mg/Kg	1	4/6/2022 7:00:00 PM	66634
Motor Oil Range Organics (MRO)	140	45	mg/Kg	1	4/6/2022 7:00:00 PM	66634
Surr: DNOP	75.1	51.1-141	%Rec	1	4/6/2022 7:00:00 PM	66634
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	4/5/2022 11:00:00 AM	66572
Surr: BFB	91.2	37.7-212	%Rec	1	4/5/2022 11:00:00 AM	66572
EPA METHOD 8021B: VOLATILES					Analyst:	BRM
Benzene	ND	0.025	mg/Kg	1	4/5/2022 11:00:00 AM	66572
Toluene	ND	0.050	mg/Kg	1	4/5/2022 11:00:00 AM	66572
Ethylbenzene	ND	0.050	mg/Kg	1	4/5/2022 11:00:00 AM	66572
Xylenes, Total	ND	0.099	mg/Kg	1	4/5/2022 11:00:00 AM	66572
Surr: 4-Bromofluorobenzene	76.1	70-130	%Rec	1	4/5/2022 11:00:00 AM	66572

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

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Lab Order 2203G95

Date Reported: 4/12/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-21

 Project:
 Gerard AW Battery
 Collection Date: 3/29/2022 12:05:00 PM

 Lab ID:
 2203G95-019
 Matrix: SOIL
 Received Date: 3/31/2022 9:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	JMT
Chloride	1000	60	mg/Kg	20	4/6/2022 8:16:01 PM	66684
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	4/6/2022 7:32:00 PM	66634
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	4/6/2022 7:32:00 PM	66634
Surr: DNOP	89.4	51.1-141	%Rec	1	4/6/2022 7:32:00 PM	66634
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	4/5/2022 11:20:00 AM	66572
Surr: BFB	95.8	37.7-212	%Rec	1	4/5/2022 11:20:00 AM	66572
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.025	mg/Kg	1	4/5/2022 11:20:00 AM	66572
Toluene	ND	0.050	mg/Kg	1	4/5/2022 11:20:00 AM	66572
Ethylbenzene	ND	0.050	mg/Kg	1	4/5/2022 11:20:00 AM	66572
Xylenes, Total	ND	0.099	mg/Kg	1	4/5/2022 11:20:00 AM	66572
Surr: 4-Bromofluorobenzene	79.6	70-130	%Rec	1	4/5/2022 11:20:00 AM	66572

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

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Lab Order 2203G95

Date Reported: 4/12/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-22

 Project:
 Gerard AW Battery
 Collection Date: 3/29/2022 12:10:00 PM

 Lab ID:
 2203G95-020
 Matrix: SOIL
 Received Date: 3/31/2022 9:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	JMT
Chloride	1400	59	mg/Kg	20	4/6/2022 8:28:25 PM	66684
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	4/6/2022 7:42:40 PM	66634
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	4/6/2022 7:42:40 PM	66634
Surr: DNOP	87.0	51.1-141	%Rec	1	4/6/2022 7:42:40 PM	66634
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	4/5/2022 11:39:00 AM	66572
Surr: BFB	98.0	37.7-212	%Rec	1	4/5/2022 11:39:00 AM	66572
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.025	mg/Kg	1	4/5/2022 11:39:00 AM	66572
Toluene	ND	0.050	mg/Kg	1	4/5/2022 11:39:00 AM	66572
Ethylbenzene	ND	0.050	mg/Kg	1	4/5/2022 11:39:00 AM	66572
Xylenes, Total	ND	0.10	mg/Kg	1	4/5/2022 11:39:00 AM	66572
Surr: 4-Bromofluorobenzene	81.4	70-130	%Rec	1	4/5/2022 11:39:00 AM	66572

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

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Lab Order 2203G95

Date Reported: 4/12/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-23

 Project:
 Gerard AW Battery
 Collection Date: 3/29/2022 12:15:00 PM

 Lab ID:
 2203G95-021
 Matrix: SOIL
 Received Date: 3/31/2022 9:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	JMT
Chloride	1900	59	mg/Kg	20	4/6/2022 8:40:49 PM	66684
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	4/6/2022 7:53:18 PM	66634
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	4/6/2022 7:53:18 PM	66634
Surr: DNOP	108	51.1-141	%Rec	1	4/6/2022 7:53:18 PM	66634
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	4/5/2022 11:59:00 AM	66572
Surr: BFB	94.7	37.7-212	%Rec	1	4/5/2022 11:59:00 AM	66572
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.024	mg/Kg	1	4/5/2022 11:59:00 AM	66572
Toluene	ND	0.047	mg/Kg	1	4/5/2022 11:59:00 AM	66572
Ethylbenzene	ND	0.047	mg/Kg	1	4/5/2022 11:59:00 AM	66572
Xylenes, Total	ND	0.094	mg/Kg	1	4/5/2022 11:59:00 AM	66572
Surr: 4-Bromofluorobenzene	78.5	70-130	%Rec	1	4/5/2022 11:59:00 AM	66572

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

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Lab Order 2203G95

Date Reported: 4/12/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-24

 Project:
 Gerard AW Battery
 Collection Date: 3/29/2022 12:20:00 PM

 Lab ID:
 2203G95-022
 Matrix: SOIL
 Received Date: 3/31/2022 9:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	: JMT
Chloride	1900	60	mg/Kg	20	4/6/2022 9:18:03 PM	66684
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.0	mg/Kg	1	4/6/2022 8:03:58 PM	66634
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	4/6/2022 8:03:58 PM	66634
Surr: DNOP	88.7	51.1-141	%Rec	1	4/6/2022 8:03:58 PM	66634
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	4/5/2022 12:19:00 PM	66572
Surr: BFB	98.6	37.7-212	%Rec	1	4/5/2022 12:19:00 PM	66572
EPA METHOD 8021B: VOLATILES					Analyst:	BRM
Benzene	ND	0.023	mg/Kg	1	4/5/2022 12:19:00 PM	66572
Toluene	ND	0.046	mg/Kg	1	4/5/2022 12:19:00 PM	66572
Ethylbenzene	ND	0.046	mg/Kg	1	4/5/2022 12:19:00 PM	66572
Xylenes, Total	ND	0.092	mg/Kg	1	4/5/2022 12:19:00 PM	66572
Surr: 4-Bromofluorobenzene	80.3	70-130	%Rec	1	4/5/2022 12:19:00 PM	66572

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

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Lab Order 2203G95

Date Reported: 4/12/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-25

 Project:
 Gerard AW Battery
 Collection Date: 3/29/2022 12:25:00 PM

 Lab ID:
 2203G95-023
 Matrix: SOIL
 Received Date: 3/31/2022 9:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	1300	60	mg/Kg	20	4/6/2022 9:30:28 PM	66684
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	4/6/2022 8:14:35 PM	66634
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	4/6/2022 8:14:35 PM	66634
Surr: DNOP	101	51.1-141	%Rec	1	4/6/2022 8:14:35 PM	66634
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	4/5/2022 12:39:00 PM	66572
Surr: BFB	94.6	37.7-212	%Rec	1	4/5/2022 12:39:00 PM	66572
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.024	mg/Kg	1	4/5/2022 12:39:00 PM	66572
Toluene	ND	0.048	mg/Kg	1	4/5/2022 12:39:00 PM	66572
Ethylbenzene	ND	0.048	mg/Kg	1	4/5/2022 12:39:00 PM	66572
Xylenes, Total	ND	0.096	mg/Kg	1	4/5/2022 12:39:00 PM	66572
Surr: 4-Bromofluorobenzene	76.8	70-130	%Rec	1	4/5/2022 12:39:00 PM	66572

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

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Hall Environmental Analysis Laboratory, Inc.

2203G95 12-Apr-22

WO#:

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: MB-66684 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 66684 RunNo: 87045

Prep Date: 4/6/2022 Analysis Date: 4/6/2022 SeqNo: 3077541 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-66684 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 66684 RunNo: 87045

Prep Date: 4/6/2022 Analysis Date: 4/6/2022 SeqNo: 3077542 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 91.3 90 110

Sample ID: MB-66681 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 66681 RunNo: 87098

Prep Date: 4/6/2022 Analysis Date: 4/7/2022 SeqNo: 3079188 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-66681 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 66681 RunNo: 87098

Prep Date: 4/6/2022 Analysis Date: 4/7/2022 SeqNo: 3079189 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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2203G95**

12-Apr-22

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: MB-66587	SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics									
Client ID: PBS	Batcl	n ID: 66	587	F	RunNo: 8	6952				
Prep Date: 4/1/2022	Analysis D)ate: 4/	4/2022	5	SeqNo: 3	073080	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.3		10.00		82.6	51.1	141			
Sample ID: LCS-66587	SampT	ype: LC	s	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: LCSS	Batcl	n ID: 66	587	F	RunNo: 8	6952				
Prep Date: 4/1/2022	Analysis D	Date: 4/	4/2022	5	SeqNo: 3	073081	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	41	10	50.00	0	82.5	68.9	135			
Surr: DNOP	4.0		5.000		79.1	51.1	141			
Sample ID: 2203G95-012AMS	Samp1	уре: МS	3	Tes	tCode: EI	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: SWX-15	Batcl	n ID: 66 0	634	F	RunNo: 8	7034				
Prep Date: 4/5/2022	Analysis D)ate: 4/	6/2022	5	SeqNo: 3	077248	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)		9.3	46.38	11.39	91.1	36.1	154			
Diesei Kange Organics (DKO)	54	9.5	40.30	11.00	01.1	00.1				

Sample ID: 2203G95-012AMS	D SampT	SampType: MSD TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: SWX-15	Batch	ID: 666	634	F	RunNo: 8	7034				
Prep Date: 4/5/2022	Analysis D	ate: 4/ 0	6/2022	SeqNo: 3077249 Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	62	9.6	47.98	11.39	106	36.1	154	15.2	33.9	
Surr: DNOP	4.7		4.798		97.0	51.1	141	0	0	

Sample ID: LCS-66634	SampT	ype: LC	S	Tes	TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch	ID: 66	634	F	RunNo: 8	7034						
Prep Date: 4/5/2022	Analysis Date: 4/6/2022				SeqNo: 3077297			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	103	68.9	135					
Surr: DNOP	5.1		5.000		102	51.1	141					

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

2203G95 12-Apr-22

WO#:

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: MB-66634 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PBS Batch ID: 66634 RunNo: 87034 Prep Date: 4/5/2022 Analysis Date: 4/6/2022 SeqNo: 3077299 Units: mq/Kq PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Analyte Result Qual Diesel Range Organics (DRO) ND 10 Motor Oil Range Organics (MRO) ND 50 Surr: DNOP 10 10.00 99.7 51.1 141

Sample ID: LCS-66670 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 66670 RunNo: 87064 Prep Date: 4/6/2022 Analysis Date: 4/7/2022 SeqNo: 3078634 Units: %Rec Analyte Result SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Surr: DNOP 5.000 101 51.1 141 5.1

Sample ID: MB-66670 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PBS Batch ID: 66670 RunNo: 87064 Prep Date: 4/6/2022 Analysis Date: 4/7/2022 SeqNo: 3078637 Units: %Rec HighLimit %RPD SPK value SPK Ref Val %REC LowLimit **RPDLimit** Analyte Result Qual

Surr: DNOP 8.7 10.00 87.2 51.1 141

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

2203G95

WO#:

12-Apr-22

Client:	GHD Midland
Project:	Gerard AW Battery

	Tiv Buttery			
Sample ID: Ics-66561	SampType: LCS	TestCode: EPA Method	8015D: Gasoline Range	
Client ID: LCSS	Batch ID: 66561	RunNo: 86973		
Prep Date: 4/1/2022	Analysis Date: 4/4/2022	SeqNo: 3073301	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	0 113 72.3	137	
Surr: BFB	2100 1000	209 37.7	212	
Sample ID: mb-66561	SampType: MBLK	TestCode: EPA Method	8015D: Gasoline Range	
Client ID: PBS	Batch ID: 66561	RunNo: 86973		
Prep Date: 4/1/2022	Analysis Date: 4/4/2022	SeqNo: 3073302	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit	Qual
Gasoline Range Organics (GRO)	ND 5.0		0.40	
Surr: BFB	950 1000	94.8 37.7	212 	
Sample ID: Ics-66572	SampType: LCS	TestCode: EPA Method	8015D: Gasoline Range	
Client ID: LCSS	Batch ID: 66572	RunNo: 86973		
Prep Date: 4/1/2022	Analysis Date: 4/5/2022	SeqNo: 3073325	Units: mg/Kg	
Analyte		SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit	Qual
Gasoline Range Organics (GRO)	29 5.0 25.00	0 117 72.3	137	0
Surr: BFB	2200 1000	220 37.7	212 	S
Sample ID: mb-66572	SampType: MBLK	TestCode: EPA Method	8015D: Gasoline Range	
Client ID: PBS	Batch ID: 66572	RunNo: 86973		
Prep Date: 4/1/2022	Analysis Date: 4/5/2022	SeqNo: 3073326	Units: mg/Kg	
Analyte		SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit	Qual
Gasoline Range Organics (GRO) Surr: BFB	ND 5.0 950 1000	94.7 37.7	212	
Suil. Drb	950 1000	94.1 31.1	212	1
Sample ID: 2203g95-012ams	SampType: MS	TestCode: EPA Method	8015D: Gasoline Range	
Client ID: SWX-15	Batch ID: 66572	RunNo: 86973		
Prep Date: 4/1/2022	Analysis Date: 4/5/2022	SeqNo: 3073328	Units: mg/Kg	
Analyte		SPK Ref Val %REC LowLimit		Qual
Gasoline Range Organics (GRO) Surr: BFB	26 4.7 23.47 2000 939.0	0 110 70 211 37.7	130 212	
Juil. DFD	2000 939.0	211 37.7	212	
Sample ID: 2203g95-012ams	d SampType: MSD	TestCode: EPA Method	8015D: Gasoline Range	
Client ID: SWX-15	Batch ID: 66572	RunNo: 86973		
Prep Date: 4/1/2022	Analysis Date: 4/5/2022	SeqNo: 3073329	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
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference
- Analyte detected in the associated Method Blank
- Estimated value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2203G95**

12-Apr-22

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: 2203g95-012amsd SampType: MSD TestCode: EPA Method 8015D: Gasoline Range

Client ID: **SWX-15** Batch ID: **66572** RunNo: **86973**

Prep Date: 4/1/2022 Analysis Date: 4/5/2022 SeqNo: 3073329 Units: mg/Kg

·	-				-		•	•		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	4.7	23.36	0	105	70	130	4.90	20	
Surr: BFB	2000		934.6		217	37.7	212	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 interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2203G95**

12-Apr-22

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: Ics-66561	Samp1	ype: LC	s	TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batc	h ID: 665	561	F	RunNo: 8						
Prep Date: 4/1/2022	Analysis [Date: 4/4	4/2022	8	SeqNo: 3	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.85	0.025	1.000	0	85.3	80	120				
Toluene	0.86	0.050	1.000	0	86.2	80	120				
Ethylbenzene	0.86	0.050	1.000	0	85.8	80	120				
Xylenes, Total	2.6	0.10	3.000	0	85.0	80	120				
Surr: 4-Bromofluorobenzene	0.77		1.000		77.1	70	130				

Sample ID: mb-66561	Samp1	Гуре: МЕ	BLK	Tes						
Client ID: PBS	Batcl	h ID: 66	561	F	RunNo: 80	6973				
Prep Date: 4/1/2022	Analysis D	Date: 4/	4/2022	S	SeqNo: 30	073340	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.78		1.000		78.2	70	130			

Sample ID: Ics-66572	Samp1	ype: LC	S	Tes	tCode: El							
Client ID: LCSS	Batc	n ID: 66	572	F	RunNo: 80							
Prep Date: 4/1/2022	Analysis [Date: 4/	5/2022	S	SeqNo: 30	073363	Units: mg/K	(g				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	0.87	0.025	1.000	0	86.8	80	120					
Toluene	0.88	0.050	1.000	0	87.9	80	120					
Ethylbenzene	0.88	0.050	1.000	0	87.5	80	120					
Xylenes, Total	2.6	0.10	3.000	0	87.0	80	120					
Surr: 4-Bromofluorobenzene	0.79		1.000		79.1	70	130					

Sample ID: mb-66572	SampT	уре: МЕ	BLK	Tes	tCode: El	EPA Method 8021B: Volatiles						
Client ID: PBS	Batch	n ID: 66	572	R	RunNo: 8							
Prep Date: 4/1/2022	Analysis D	oate: 4/	5/2022	SeqNo: 3073364 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	0.78		1.000		77.9	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
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2203G95**

12-Apr-22

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: 2203g95-013ams	Sampl	Гуре: М S	3	Tes						
Client ID: SW-15	Batc	h ID: 66	572	RunNo: 86973						
Prep Date: 4/1/2022	Analysis [Date: 4/	5/2022	SeqNo: 3073367			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.78	0.023	0.9372	0	83.6	68.8	120			
Toluene	0.80	0.047	0.9372	0	85.2	73.6	124			
Ethylbenzene	0.81	0.047	0.9372	0	86.0	72.7	129			
Xylenes, Total	2.4	0.094	2.812	0	85.4	75.7	126			
Surr: 4-Bromofluorobenzene	0.75		0.9372		80.5	70	130			

Sample ID: 2203g95-013ams	d Samp	Гуре: М \$	SD	TestCode: EPA Method 8021B: Volatiles										
Client ID: SW-15	Client ID: SW-15 Batch ID: 66572						RunNo: 86973							
Prep Date: 4/1/2022	Analysis [Date: 4/	5/2022	8	SeqNo: 3	073368	Units: mg/K	g						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual				
Benzene	0.81	0.024	0.9416	0	85.6	68.8	120	2.82	20					
Toluene	0.82	0.047	0.9416	0	87.1	73.6	124	2.75	20					
Ethylbenzene	0.83	0.047	0.9416	0	87.7	72.7	129	2.38	20					
Xylenes, Total	2.5	0.094	2.825	0	87.1	75.7	126	2.45	20					
Surr: 4-Bromofluorobenzene	0.78		0.9416		83.2	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 interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 30 of 30



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: GHD Midland	Work Order Num	ber: 220	3G95			RcptNo: 1
Received By: Juan Rojas 3	8/31/2022 9:05:00	АМ		Ham	39	
6	3/31/2022 10:43:38					
Reviewed By: Sec 3/31/77						
Chain of Custody						
1. Is Chain of Custody complete?		Yes	V	No		Not Present
2. How was the sample delivered?		Cou	rier			
<u>Log In</u>						
3. Was an attempt made to cool the samples?		Yes	V	No		NA 🗆
4. Were all samples received at a temperature of	>0° C to 6.0°C	Yes	V	No		NA 🗆
5. Sample(s) in proper container(s)?		Yes	V	No		
6. Sufficient sample volume for indicated test(s)?		Yes	V	No [
7. Are samples (except VOA and ONG) properly pr	reserved?	Yes	V	No [
8. Was preservative added to bottles?		Yes		No E		NA 🗆
9. Received at least 1 vial with headspace <1/4" for	r AQ VOA?	Yes		No [NA ☑
O. Were any sample containers received broken?		Yes		No [V	# of preserved
Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes	V	No [bottles checked for pH: (<2 of >12 unless note
2. Are matrices correctly identified on Chain of Cus	tody?	Yes	V	No [Adjusted?
3. Is it clear what analyses were requested?		Yes	~	No [/ 1
4. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes	V	No [Checked by: KVG 3/3
pecial Handling (if applicable)						•
5. Was client notified of all discrepancies with this	order?	Yes		No [NA 🗹
Person Notified:	Date:				in	
By Whom:	Via:	eMa	ii 🗆 F	Phone	ax	☐ In Person
Regarding:			-		enry.	E 3.1 9(80)
Client Instructions:	**********		_		_	
6. Additional remarks:						
7. Cooler Information						
Cooler No Temp °C Condition Seal In	ntact Seal No	Seal Da	te	Signed By	,	
1 1.8 Good Yes						

ı			Biochi (Bonon in initial				_	T	Г	1						B B
Client: GF	GHD			☑ Standard	Rush K	5 Day			1		ANAL	□ ×	> V	2 4		AALL ENVIRONMENTAL ANALYSTS LABODATODY
				Project Nam							d w	, , ,		Manus bellenvironmentel com		
ng Ad	Mailing Address:			Gerard	AW	Battery		490	1 Ha	wkins	NE.	Albu	Janer	one. N	www.railethinsing.com 4901 Hawkins NE - Albuqueraue, NM 87109	
S. Lo	op 250 W.	v. Midla	2135 S. Loop 250 W. Midland, TX 79703	Project #:				Te.	1. 505	505-345-3975	3975	ΙĽ	Fax 5	505-345-4107	4107	
Phone #:	(432	(432) 686-0086	0086	22)/	9262						٩	Analysis	sis R	Request		
email or Fax#:		cky. Has	Becky. Haskell@ghd.com	Project Manager:	iger:		(-		†O				
QA/QC Package:	kage: d	П	□ Level 4 (Full Validation)	Becky Haskell Tom Larson	₩.		. 208) s		CB,2	SMIS		S "Od				
Accreditation:		Yz Com	□ Az Compliance	Sampler:	Heath Boyd		MB.		-			O ₂ ,				
□ NELAC		□ Other		On Ice:	X Yes	oN 🗆	L /	-			_	N '		_		
EDD (Type)				# of Coolers:			38 T		_			1O ³				
				Cooler Temp(including CF):	(including CF): 2.	1-0.3-1.8	TM	7-7-1				ι, Ν		5 - 5		
Date Tir	Time Mat	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX /	.08:H9T	59 1808 •••• 297	EDB (M	RCRA 8	CI' E' B	v) 0528	S) 0728 Chloride		
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6	1 046	~	21 - xm5			600	y.	x					-	Х		
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9	950	UV	5Wx-14	7	7	110	X	y					H	又	F	
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Time:		Relinquished by:	by:	Received by:	Via:	F .		Rema	rks:	lease	ema	H: Ch	ase s	Settle@	eogresou	Remarks: Please email: Chase_Settle@eogresources.com;
00/1 22/kg/		Polinguiched hy	h.r.	L'LLLLLL	مرير	130/12 700	_	He	ath.B	Dyd@	ghd.c	om A	l, 2at	with Be	Heath.Boyd@ghd.com Along with Becky Haskell listed	ell listed
37		V, A,		A Parameter Dr.	I'M MADE	3/31/72 9'0T				ä	ect B	a te B	above. EOG (above. Direct Bill to EOG Chase Settle	Settle	

4			_							TA STEEL		
Client: GHD				Rush A	h 5 Daw		V				AALL ENVIRONMENIAL ANALYSIS LABORATORY	4
			Project Name:	.e.					֓֞֞֜֜֜֜֜֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓		DI BUONE	K
Mailing Address:	SS:		Cherand	1,00	AW Bottery	4	www.nalli 4901 Hawkins NE -	www.n	allenvir	www.nailenvironmentai.com	environmental.com Albuquerque NM 87109	
2135 S. Loop ; Phone #:	2135 S. Loop 250 W. Midland, TX Phone #: (432) 686-0086	dland, TX 79703 36-0086	Project #:	9668271	9		Tel. 505-3	505-345-3975	Fax	Fax 505-345-	505-345-4107	
email or Fax#:	1	Becky. Haskell@ahd.com	Project Manager	aner:					2 1	פאופ	163	
QA/QC Package:	2.0		Becky Haskell	: 5 =				SI	os '			
Standard		☐ Level 4 (Full Validation)	Tom Larson					NIS	рОф			
Accreditation:	□ Az Cor	☐ Az Compliance	Sampler:	Heath Boyd	1. 1		2808	8270	NO ⁵			
☐ EDD (Type)			# of Coolers:		ON 🗆		/sə		_	-	IV	
			Cooler Temp(including CF):	(including CF):	8128-17		bioit		NC	V-im	300 1	
Date Time	Matrix	Sample Name	Container Type and #	Preservative Type	1	TEX / 1	.081 Peg	AHs by	i, F, Br	9S) 072	: abinolh	
3/22/25 1040	S)	SW-15	402. Jul.	s /m	013	_ ^	8		0	8	0 4	
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3200 1000	1.4	(177	d	1.0.0		III. Doya	ggna.co	m Alon	g with B	neam. boyu@gna.com Along With Becky Haskell listed above.	apove

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



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

April 25, 2022

Tom Larson GHD Midland 2135 S Loop 250 W Midland, TX 79703

TEL: (432) 686-0086

FAX:

RE: Gerard AW Battery OrderNo.: 2204837

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 2 sample(s) on 4/20/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com 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

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 2204837

Hall Environmental Analysis Laboratory, Inc. Date Reported: 4/25/2022

CLIENT: GHD Midland Client Sample ID: SW-6

 Project:
 Gerard AW Battery
 Collection Date: 4/18/2022 10:00:00 AM

 Lab ID:
 2204837-001
 Matrix: SOIL
 Received Date: 4/20/2022 7:40:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: CAS
Chloride	1900	60	mg/Kg	20	4/21/2022 3:10:09 AM	66958
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	4/20/2022 4:35:44 PM	66943
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	4/20/2022 4:35:44 PM	66943
Surr: DNOP	70.6	51.1-141	%Rec	1	4/20/2022 4:35:44 PM	66943
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: NSB
Gasoline Range Organics (GRO)	ND	3.9	mg/Kg	1	4/20/2022 9:42:50 AM	A87386
Surr: BFB	95.1	37.7-212	%Rec	1	4/20/2022 9:42:50 AM	A87386
EPA METHOD 8021B: VOLATILES					Analys	: NSB
Benzene	ND	0.019	mg/Kg	1	4/20/2022 9:42:50 AM	D87386
Toluene	ND	0.039	mg/Kg	1	4/20/2022 9:42:50 AM	D87386
Ethylbenzene	ND	0.039	mg/Kg	1	4/20/2022 9:42:50 AM	D87386
Xylenes, Total	ND	0.078	mg/Kg	1	4/20/2022 9:42:50 AM	D87386
Surr: 4-Bromofluorobenzene	97.9	70-130	%Rec	1	4/20/2022 9:42:50 AM	D87386

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

Page 1 of 6

Analytical Report

Lab Order 2204837

Date Reported: 4/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-16A

 Project:
 Gerard AW Battery
 Collection Date: 4/19/2022 11:30:00 AM

 Lab ID:
 2204837-002
 Matrix: SOIL
 Received Date: 4/20/2022 7:40:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: CAS
Chloride	1800	60	mg/Kg	20	4/21/2022 3:22:33 AM	66958
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: ED
Diesel Range Organics (DRO)	76	9.5	mg/Kg	1	4/20/2022 4:59:33 PM	66943
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	4/20/2022 4:59:33 PM	66943
Surr: DNOP	77.5	51.1-141	%Rec	1	4/20/2022 4:59:33 PM	66943
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	18	mg/Kg	5	4/20/2022 10:06:15 AM	A87386
Surr: BFB	95.2	37.7-212	%Rec	5	4/20/2022 10:06:15 AM	A87386
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.089	mg/Kg	5	4/20/2022 10:06:15 AM	D87386
Toluene	ND	0.18	mg/Kg	5	4/20/2022 10:06:15 AM	D87386
Ethylbenzene	ND	0.18	mg/Kg	5	4/20/2022 10:06:15 AM	D87386
Xylenes, Total	ND	0.36	mg/Kg	5	4/20/2022 10:06:15 AM	D87386
Surr: 4-Bromofluorobenzene	96.7	70-130	%Rec	5	4/20/2022 10:06:15 AM	D87386

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

Page 2 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#: **2204837**

25-Apr-22

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: MB-66958 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 66958 RunNo: 87394

Prep Date: 4/20/2022 Analysis Date: 4/21/2022 SeqNo: 3091542 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-66958 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 66958 RunNo: 87394

Prep Date: 4/20/2022 Analysis Date: 4/21/2022 SeqNo: 3091543 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 93.7 90 110

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- 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

Page 3 of 6

Hall Environmental Analysis Laboratory, Inc.

3.0

2204837 25-Apr-22

WO#:

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: MB-66943	SampT	уре: МЕ	BLK	Tes	PA Method	8015M/D: Die	sel Range	Organics				
Client ID: PBS	Batch	n ID: 66 9	943	F	RunNo: 87	7372						
Prep Date: 4/20/2022	Analysis D)ate: 4/ 2	20/2022	5	SeqNo: 30	092540	Units: mg/K	g				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Diesel Range Organics (DRO)	ND	10										
Motor Oil Range Organics (MRO)	ND	50										
Surr: DNOP	6.1		10.00		61.0	51.1	141					
Sample ID: LCS-66943	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics			
Client ID: LCSS	Batch	n ID: 66 9	943	F	RunNo: 87	7372						
Prep Date: 4/20/2022	Analysis D)ate: 4/ 2	20/2022	5	SeqNo: 30	092541	Units: mg/Kg					
								0/ 000	RPDLimit	Ougl		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLIMIL	Qual		
Analyte Diesel Range Organics (DRO)	Result 53	PQL 10	SPK value 50.00	SPK Ref Val	%REC 105	68.9	HighLimit 135	%RPD	RPDLIMIL	Quai		
								%RPD	RPDLIMIL	Quai		
Diesel Range Organics (DRO)	53 2.8		50.00 5.000	0	105 56.8	68.9 51.1	135			Qual		
Diesel Range Organics (DRO) Surr: DNOP	53 2.8 SampT	10	50.00 5.000	0 Tes	105 56.8	68.9 51.1 PA Method	135 141			Quai		
Diesel Range Organics (DRO) Surr: DNOP Sample ID: 2204837-001AMS	53 2.8 SampT	10 Type: MS	50.00 5.000	0 Tes	105 56.8 tCode: EF	68.9 51.1 PA Method 7372	135 141	sel Range		Quai		
Diesel Range Organics (DRO) Surr: DNOP Sample ID: 2204837-001AMS Client ID: SW-6	53 2.8 SampT Batch	10 Type: MS	50.00 5.000	0 Tes	105 56.8 tCode: EF RunNo: 8 7	68.9 51.1 PA Method 7372	135 141 8015M/D: Die	sel Range		Qual		

Sample ID: 2204837-001AMSD	SampT	ype: MS	SD .	Tes	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: SW-6	Batch	ID: 669	943	F	RunNo: 87	7372							
Prep Date: 4/20/2022	Analysis D	ate: 4/ 2	20/2022	5	SeqNo: 30	092546	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Diesel Range Organics (DRO)	51	10	49.75	0	103	36.1	154	7.17	33.9				
Surr: DNOP	3.3		4.975		66.1	51.1	141	0	0				

64.1

51.1

141

4.717

Qualifiers:

Surr: DNOP

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

Page 4 of 6

Hall Environmental Analysis Laboratory, Inc.

2000

WO#: 2204837 25-Apr-22

Client: GHD Midland **Project:** Gerard AW Battery

Sample ID: mb	Samp	уре: МЕ	BLK	Tes	tCode: EF	PA Method	8015D: Gasol	ine Range				
Client ID: PBS	Batcl	n ID: A8	7386	F	RunNo: 87	7386						
Prep Date:	e: Analysis Date: 4/20/2022			5	SeqNo: 30	091326	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		95.2	37.7	212					

1000

Sample ID: 2.5ug gro Ics SampType: LCS TestCode: EPA Method 8015D: Gasoline Range Client ID: LCSS Batch ID: A87386 RunNo: 87386 Prep Date: Analysis Date: 4/20/2022 SeqNo: 3091327 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 25.00 97.0 72.3 137

200

37.7

212

Sample ID: 2204837-001ams SampType: MS TestCode: EPA Method 8015D: Gasoline Range Client ID: Batch ID: A87386 RunNo: 87386 Prep Date: Analysis Date: 4/20/2022 SeqNo: 3091330 Units: mg/Kg Result SPK value SPK Ref Val %REC %RPD **RPDLimit** Analyte **PQL** LowLimit HighLimit Qual Gasoline Range Organics (GRO) 19 3.9 19.41 99.0 70 130 Surr: BFB 1600 776.4 201 37.7 212

Sample ID: 2204837-001amsd SampType: MSD TestCode: EPA Method 8015D: Gasoline Range Client ID: Batch ID: A87386 RunNo: 87386 SW-6 Prep Date: Analysis Date: 4/20/2022 SeqNo: 3091331 Units: mg/Kg Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 19 3.9 19.41 96.5 70 130 2.58 20 Surr: BFB 1500 776.4 199 37.7 212 0 0

Qualifiers:

Surr: BFB

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

Page 5 of 6

Hall Environmental Analysis Laboratory, Inc.

25-Apr-22

2204837

WO#:

Client:	GHD Midland
Project:	Gerard AW Battery

Sample ID: mb	Samp	SampType: MBLK			tCode: EF	PA Method	8021B: Volati	les		
Client ID: PBS	Batcl	h ID: D8	7386	F	RunNo: 87	7386				
Prep Date:	Analysis [Analysis Date: 4/20/2022			SeqNo: 30	091361	Units: mg/K	g		
Analyte	Result	Result PQL SPK value			%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND									
Surr: 4-Bromofluorobenzene	0.96				95.8	70	130			

Sample ID: 100ng btex Ics	Samp1	Гуре: LC	s	Tes	PA Method	8021B: Volati	les			
Client ID: LCSS	Batcl	h ID: D8 7	7386	F	RunNo: 87	7386				
Prep Date:	Analysis [Date: 4/ 2	20/2022	5	Units: mg/K	g				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	92.6	80	120			
Toluene	0.94	0.050	1.000	0	94.4	80	120			
Ethylbenzene	0.95	0.050	1.000	0	95.4		120			
Xylenes, Total	2.9	0.10	3.000	0	96.2	80	120			
Surr: 4-Bromofluorobenzene	0.98		1.000	0 98.1 70			130			

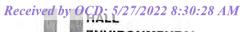
Sample ID: 2204837-002ams	Samp ⁻	Гуре: МЅ	3	Tes	PA Method	8021B: Volati	les				
Client ID: BH-16A	Batc	h ID: D8	7386	F	RunNo: 87	7386					
Prep Date:	Analysis [Date: 4/ 2	20/2022	5	SeqNo: 30	091365	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	3.0	0.089	3.564	0	84.6	68.8	120				
Toluene	3.2	0.18	3.564	0	89.8	73.6	124				
Ethylbenzene	3.2	0.18	3.564	0	91.0 72.7		129				
Xylenes, Total	9.8	0.36	10.69	0	91.5	75.7	126				
Surr: 4-Bromofluorobenzene	3.5		3.564		97.1	70	130				

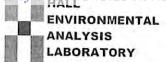
Sample ID: 2204837-002amsd	SampT	ype: MS	SD.	Tes	tCode: EF	EPA Method 8021B: Volatiles							
Client ID: BH-16A	Batch	n ID: D8 7	7386	F	RunNo: 87	7386							
Prep Date:	Analysis D)ate: 4/ 2	20/2022	8	SeqNo: 30	091366	Units: mg/K	g					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Benzene	3.0	0.089	3.564	0	84.1	20							
Toluene	3.2	0.18	3.564	0	89.7	73.6	124	0.0557	20				
Ethylbenzene	3.2	0.18	3.564	0	90.8	72.7	129	0.198	20				
Xylenes, Total	9.8	0.36	10.69	0 92.0 75.7			.7 126 0.596		20				
Surr: 4-Bromofluorobenzene	3.6		3.564	4 100 70 130 0									

Qualifiers:

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

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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque. NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name:	GHD Midland	Wo	rk Order Nu	mber: 220	04837		RcptN	o: 1
Received By:	Tracy Casarru	bias 4/20/2	2022 7:40:00	MA C				
Completed By:	Tracy Casarru	bias 4/20/2	2022 8:00:19	9 AM				
Reviewed By:	10	4/20	22					
Chain of Cus	stody							
1. Is Chain of C	Custody complete?			Yes	~	No 🗌	Not Present	
2. How was the	sample delivered	?		Cou	ırier			
Log In 3. Was an atter	npt made to cool ti	he samples?		Yes	V	No 🗆	NA 🗆	
4. Were all sam	ples received at a	temperature of >0° (C to 6.0°C	Yes	V	No 🗌	NA 🗆	
5. Sample(s) in	proper container(s	5)?		Yes	V	No 🗌		
6. Sufficient sam	nple volume for ind	licated test(s)?		Yes	V	No 🗆		
		ONG) properly preser	ved?	Yes	7.0	No 🗌		
	tive added to bottl			Yes		No 🗹	NA 🗌	
9. Received at le	east 1 vial with hea	dspace <1/4" for AQ	VOA?	Yes		No 🗌	NA 🔽	
10. Were any sar	mple containers re-	ceived broken?		Yes		No 🗸		
	ork match bottle la			Yes	✓	No 🗆	# of preserved bottles checked for pH:	r >12 unless noted)
		on Chain of Custody	?	Yes	~	No 🗌	Adjusted?	
13. Is it clear what				Yes	~	No 🗆		
14. Were all holding (If no, notify co	ng times able to be ustomer for author			Yes	V	No 🗆	Checked by:	in upolic
Special Handl	ing (if applica	ble)						
15, Was client no	tified of all discrep	ancies with this orde	?	Yes		No 🗌	NA 🗹	
Person	Notified:		Date	ei 📗				
By Who			Via:	eM	ail 🗌	Phone Fax	☐ In Person	
Regardi								
	nstructions:							
16. Additional rer	marks:							
17. Cooler Information Cooler No	Temp °C Co	ndition Seal Intact	Seal No	Seal D	ate	Signed By		
2	5.3 Good 3.4 Good							
	0000	- 103						

eceived by Time:	40	27/2022 8:3	0:28 AM	M			7/19 1130	1/18 1000		□ EDD (Type	Accreditation:	□ Standard	QA/QC Package	email or Fax#:	Phone #: 432	Mailing Address:	Pag	330 lient:	of 41 Cha
Relinquished by:) Comindustried by						0		≤	e)			ige:	#:	32-868	ess: 21		SHD SHD	in-of-
Time: Relinquished by: Received by: Via: Com Date Time AlD Management Received by: Via: Com Date Time	Sign of the state						BH-16A	2M-8	(0		Az Compliance Other	☐ Level 4 (Full Validation)			9800-8	35 5 LOOP 250			Chain-of-Custody Record
Received by:	Received by:						×	402. Jar /1	Cooler Temp(including CF): * Container Preserva Type and # Type	# of Coolers:	Sampler: /-	,	Becky. H	Project Manager:	Project #:	W. Gera	Project Name:	□ Standard	Turn-Around Time:
Via: ¿cur	Via:						7	N/A	Preservative	3: 2	100	arson @ S	faskell @	nager	766823	2		rd ⊠ Rush	nd Time:
Date Time +1/24/22 7:46	Date Time						002	001	16.1:34 HEAL NO. 2204837		Boyd	200.COR	Becky. Haskell & GHD. Con		•	AU battery		7 7 75°	
Filldirect to EOCH Attn to chase	Ren						x	X	BIEX / MT	BE	TMB'	s (8	021)		(d)		1		
Parch. Com Hensh. Bo Billdirect	Remarks: Email: Amber-						×	X	TPH:8015D				_	-	-	49			
Com.	1 17								8081 Pestic	ides	/8082	PCB	3's		Tel. 505-345-3975	www.h 4901 Hawkins NE			
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EOCH EOCH	75								PAHs by 83		r 8270	SIM	S		5-39	ns N	1	HAL	
FOG Resources, EOCI 1944 +					H	+			RCRA 8 Me		NO	00	00	- 2	> O	, <u>a</u>	AWALYSIS	F	
Atta Constant	3 7								Cl, F, Br, N 8260 (VOA)		NO_2 ,	PO ₄	, SO	4 2	Fa	Albu	V		
es, c	2 6			T/M					8270 (Semi-		4)		-	7 7 6	× 50	onme	V	3	
ECG Resources, Com,	3								Total Colifor	_		/Abs	sent)	4)	5-34	www.hallenvironmental.com	5	N	
chase	tora recover / on to "						x		Chloride				· · · · ·	35	Fax 505-345-4107	environmental.com Albuquerque NM 87109	LABORATORY	ENVIRONMENTAL	
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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

April 25, 2022

Tom Larson GHD Midland 2135 S Loop 250 W Midland, TX 79703

TEL: (432) 686-0086

FAX:

RE: Gerard AW Battery OrderNo.: 2204837

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 2 sample(s) on 4/20/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com 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

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 2204837

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 4/25/2022

CLIENT: GHD Midland Client Sample ID: SW-6

 Project:
 Gerard AW Battery
 Collection Date: 4/18/2022 10:00:00 AM

 Lab ID:
 2204837-001
 Matrix: SOIL
 Received Date: 4/20/2022 7:40:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: CAS
Chloride	1900	60	mg/Kg	20	4/21/2022 3:10:09 AM	66958
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	4/20/2022 4:35:44 PM	66943
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	4/20/2022 4:35:44 PM	66943
Surr: DNOP	70.6	51.1-141	%Rec	1	4/20/2022 4:35:44 PM	66943
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: NSB
Gasoline Range Organics (GRO)	ND	3.9	mg/Kg	1	4/20/2022 9:42:50 AM	A87386
Surr: BFB	95.1	37.7-212	%Rec	1	4/20/2022 9:42:50 AM	A87386
EPA METHOD 8021B: VOLATILES					Analys	: NSB
Benzene	ND	0.019	mg/Kg	1	4/20/2022 9:42:50 AM	D87386
Toluene	ND	0.039	mg/Kg	1	4/20/2022 9:42:50 AM	D87386
Ethylbenzene	ND	0.039	mg/Kg	1	4/20/2022 9:42:50 AM	D87386
Xylenes, Total	ND	0.078	mg/Kg	1	4/20/2022 9:42:50 AM	D87386
Surr: 4-Bromofluorobenzene	97.9	70-130	%Rec	1	4/20/2022 9:42:50 AM	D87386

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

Page 1 of 6

Analytical Report

Lab Order 2204837

Date Reported: 4/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-16A

 Project:
 Gerard AW Battery
 Collection Date: 4/19/2022 11:30:00 AM

 Lab ID:
 2204837-002
 Matrix: SOIL
 Received Date: 4/20/2022 7:40:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: CAS
Chloride	1800	60	mg/Kg	20	4/21/2022 3:22:33 AM	66958
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	: ED
Diesel Range Organics (DRO)	76	9.5	mg/Kg	1	4/20/2022 4:59:33 PM	66943
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	4/20/2022 4:59:33 PM	66943
Surr: DNOP	77.5	51.1-141	%Rec	1	4/20/2022 4:59:33 PM	66943
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	18	mg/Kg	5	4/20/2022 10:06:15 AM	A87386
Surr: BFB	95.2	37.7-212	%Rec	5	4/20/2022 10:06:15 AM	A87386
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.089	mg/Kg	5	4/20/2022 10:06:15 AM	D87386
Toluene	ND	0.18	mg/Kg	5	4/20/2022 10:06:15 AM	D87386
Ethylbenzene	ND	0.18	mg/Kg	5	4/20/2022 10:06:15 AM	D87386
Xylenes, Total	ND	0.36	mg/Kg	5	4/20/2022 10:06:15 AM	D87386
Surr: 4-Bromofluorobenzene	96.7	70-130	%Rec	5	4/20/2022 10:06:15 AM	D87386

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

Page 2 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#: 2204837

25-Apr-22

Client: GHD Midland **Project:** Gerard AW Battery

Sample ID: MB-66958 SampType: mblk TestCode: EPA Method 300.0: Anions Client ID: PBS

Prep Date: 4/20/2022 Analysis Date: 4/21/2022 SeqNo: 3091542

Units: mg/Kg

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

RunNo: 87394

Chloride ND 1.5

Sample ID: LCS-66958 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 66958 RunNo: 87394

Batch ID: 66958

Prep Date: 4/20/2022 Analysis Date: 4/21/2022 SeqNo: 3091543 Units: mg/Kg

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

Chloride 15.00 93.7 110

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

48

3.0

9.4

47.17

4.717

2204837 25-Apr-22

WO#:

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: MB-66943	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 66943	RunNo: 87372
Prep Date: 4/20/2022	Analysis Date: 4/20/2022	SeqNo: 3092540 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	6.1 10.00	61.0 51.1 141
Sample ID: LCS-66943	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 66943	RunNo: 87372
Prep Date: 4/20/2022	Analysis Date: 4/20/2022	SeqNo: 3092541 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	0 105 68.9 135
Surr: DNOP	2.8 5.000	56.8 51.1 141
Sample ID: 2204837-001AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: SW-6	Batch ID: 66943	RunNo: 87372
Prep Date: 4/20/2022	Analysis Date: 4/20/2022	SeqNo: 3092544 Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Sample ID: 2204837-001AMS	Samp	Гуре: МЅ	SD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: SW-6	Batc	h ID: 669	943	F	RunNo: 87	7372						
Prep Date: 4/20/2022	Date: 4/20/2022 Analysis Date: 4/20/2022 SeqN				SeqNo: 30	092546	Units: mg/K	g				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Diesel Range Organics (DRO)	51	10	49.75	0	103	36.1	154	7.17	33.9			
Surr: DNOP	3 3		4 975		66 1	51.1	141	0	n			

0

101

64.1

36.1

51.1

154

141

Qualifiers:

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

Diesel Range Organics (DRO)

Surr: DNOP

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

Page 4 of 6

Hall Environmental Analysis Laboratory, Inc.

2204837

WO#:

212

25-Apr-22

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: mb SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range
Client ID: PBS Batch ID: A87386 RunNo: 87386

Prep Date: Analysis Date: 4/20/2022 SeqNo: 3091326 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
 95.2
 37.7

Sample ID: 2.5ug gro lcs SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: A87386 RunNo: 87386

Prep Date: Analysis Date: 4/20/2022 SeqNo: 3091327 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 24 5.0 25.00 0 97.0 72.3 137 Surr: BFB 2000 1000 200 37.7 212

Sample ID: 2204837-001ams SampType: MS TestCode: EPA Method 8015D: Gasoline Range

Client ID: **SW-6** Batch ID: **A87386** RunNo: **87386**

Prep Date: Analysis Date: 4/20/2022 SeqNo: 3091330 Units: mg/Kg

Result SPK value SPK Ref Val %REC %RPD **RPDLimit** Analyte **PQL** LowLimit HighLimit Qual Gasoline Range Organics (GRO) 19 3.9 19.41 99.0 70 130 Surr: BFB 776.4 201 1600 37.7 212

Sample ID: 2204837-001amsd SampType: MSD TestCode: EPA Method 8015D: Gasoline Range

Client ID: **SW-6** Batch ID: **A87386** RunNo: **87386**

Prep Date: Analysis Date: 4/20/2022 SeqNo: 3091331 Units: mg/Kg

Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 19 3.9 19.41 96.5 70 130 2.58 20 Surr: BFB 1500 776.4 199 37.7 212 0 0

Qualifiers:

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

Page 5 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#: **2204837**

25-Apr-22

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: mb	SampType: MBLK			Tes	tCode: EF					
Client ID: PBS	Batc	Batch ID: D87386			RunNo: 87	7386				
Prep Date:	Analysis [Date: 4/ 2	20/2022	5	SeqNo: 3091361			g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.96		1.000		95.8	70	130			

Sample ID: 100ng btex Ics	Samp1	Type: LC	S	TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batcl	Batch ID: D87386 RunNo: 87386								
Prep Date:	Analysis [Date: 4/ 2	20/2022	5	SeqNo: 30	091362	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	92.6	80	120			
Toluene	0.94	0.050	1.000	0	94.4	80	120			
Ethylbenzene	0.95	0.050	1.000	0	95.4	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.2	80	120			
Surr: 4-Bromofluorobenzene	0.98		1.000		98.1	70	130			

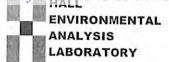
Sample ID: 2204837-002ams	Samp [¬]	Гуре: МЅ	3	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: BH-16A	Batc	h ID: D8	7386	F	RunNo: 87					
Prep Date:	Analysis [Date: 4/ 2	20/2022	5	SeqNo: 30	091365	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	3.0	0.089	3.564	0	84.6	68.8	120			
Toluene	3.2	0.18	3.564	0	89.8	73.6	124			
Ethylbenzene	3.2	0.18	3.564	0	91.0	72.7	129			
Xylenes, Total	9.8	0.36	10.69	0	91.5	75.7	126			
Surr: 4-Bromofluorobenzene	3.5		3.564		97.1	70	130			

Sample ID: 2204837-002amsd	SampT	уре: МЅ	D	Tes	8021B: Volati	les						
Client ID: BH-16A	Batch ID: D87386 RunNo: 87386											
Prep Date:	Analysis D	Date: 4/2	20/2022	5	SeqNo: 30	091366	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	3.0	0.089	3.564	0	84.1	68.8	120	0.581	20			
Toluene	3.2	0.18	3.564	0	89.7	73.6	124	0.0557	20			
Ethylbenzene	3.2	0.18	3.564	0	90.8	72.7	129	0.198	20			
Xylenes, Total	9.8	0.36	10.69	0	92.0	75.7	126	0.596	20			
Surr: 4-Bromofluorobenzene	3.6		3.564		100	70	130	0	0			

Qualifiers:

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

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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Sample Log-In Check List

Website: www.hallenvironmental.com Client Name: GHD Midland Work Order Number: 2204837 RcptNo: 1 Received By: Tracy Casarrubias 4/20/2022 7:40:00 AM Completed By: Tracy Casarrubias 4/20/2022 8:00:19 AM Reviewed By: 10 4/20/22 Chain of Custody 1. Is Chain of Custody complete? Yes V No 🗌 Not Present 2. How was the sample delivered? Courier Log In 3. Was an attempt made to cool the samples? Yes V No 🗌 NA 🗌 Were all samples received at a temperature of >0° C to 6.0°C No 🗌 Yes 🗸 NA 🗌 Sample(s) in proper container(s)? Yes V No L 6. Sufficient sample volume for indicated test(s)? Yes 🗸 No 🗌 7. Are samples (except VOA and ONG) properly preserved? ~ No L 8. Was preservative added to bottles? Yes _ No V NA 🗌 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes No 🗌 NA 🗸 Yes 10. Were any sample containers received broken? No V # of preserved bottles checked 11. Does paperwork match bottle labels? Yes V for pH: No 🗌 (Note discrepancies on chain of custody) >12 unless noted) 12. Are matrices correctly identified on Chain of Custody? Adjusted Yes V No 13. Is it clear what analyses were requested? Yes 🗸 No 🗌 14. Were all holding times able to be met? Yes 🗸 No 🗌 (If no, notify customer for authorization.) Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? Yes No 🗌 NA V Person Notified: Date: By Whom: Via: eMail Phone Fax Regarding: Client Instructions:

Page 1 of 1

2

16. Additional remarks:

17. Cooler Information Cooler No

Temp °C

5.3

3.4

Condition

Good

Good

Seal Intact

Yes

Yes

Seal No

Seal Date

Signed By

Received by	-0	27/2022 8 e.: Time:	:30:28	4 <i>M</i>			4/19 1130	1/18 1000	Date Time	□ EDD (Type	Accreditation:	□ Standard	QA/QC Package	email or Fax#:	Phone #: 432	Mailing Address:	Pag	34Client:	of 41
y, samples submitted by		Relinquished by:					0	0	≤	e)			ge:	#:	32-868	ess: 21		AH 5	in-of-
If necessary, samples submitted to Hall Environmental may be subsoffracted to other accredited laboratories. This serves as notice of		thed hv.					BH-16A	SW-8	(0		Az Compliance Other	☐ Level 4 (Full Validation)			9.0036	35 5 LOOP 250			Chain-of-Custody Record
Received by:	COM						*	402. Jar /1	Cooler Temp(including cr): * Container Preserva Type and # Type	# of Coolers:	Sampler: /-	-	Becky. 1	Project Manager:	Project #:	W. Gera	Project Name:	☐ Standard	Turn-Around Time:
Via: ccan							~	1/2		3: 2	100	arson @ S.	faskell @	nager:	766822	3		rd 🛛 Rush	nd Time:
Date Time 4/20/22 7:46	Pate Time 4/19/22 /600						002	100	5.2 to 1 = 5.3 (° 3.3 to 1 = 3.4 HEAL No. 2204837		Boyd	207.CHD	Becky. Haskell @ GHD. Con			Aw Battery		7 7 h 2.	
Hench. Cominol Each Resources, Com, Hench. Boyol@ FOG Resources, Com, Billdirect to EOCn Attn to Masse	Ren						x	X	BIEX / MT	BE	TMB'	s (8	021)		19		1		
Carch. Com Hendh. Bo Billdirect	Remarks: Email: Amber-						×.	0.51	TPH:8015D			-	_	-	4	40			
Com!	Ema								8081 Pestic	ides	/8082	PCE	3's		Tel. 505-345-3975	www.n 4901 Hawkins NE			
400	五二				-	4			EDB (Metho	_)5-34	lawki	-		
FOG R	0 3				-	+			PAHs by 83		r 8270	SIM	S		5-39	ins N	1	HAL	
FOG Resources, Com, EOCH MHHM to MASI						+	-	-	RCRA 8 Me		NO	200	00	-	≥ 01	, <u>a</u>	AWALYSIS	F	
Atta A	837 #:				+				CI, F, Br, N 8260 (VOA)		NO ₂ ,	PO ₄	, SO	4 5	Fa	Albu	V		
es, c	200	n Tei							8270 (Semi-		1)		-	- 2	× 50	onme	V	5 ≤	
com	5 8					T			Total Colifor	_		/Abs	sent'	1 2	Fax 505-345-	ental.	5	N	
chase	EOGRESOURS. Com, Ton, "Bedy"						K /		Chloride				J. 11.	- 4	Fax 505-345-4107	environmental.com Albuquerque, NM 87109	LABORATORY	ENVIRONMENTAL	
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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

April 29, 2022

Becky Haskell GHD Midland 2135 S Loop 250 W Midland, TX 79703

TEL: (432) 686-0086

FAX:

RE: Gerard AW Battery OrderNo.: 2204981

Dear Becky Haskell:

Hall Environmental Analysis Laboratory received 9 sample(s) on 4/22/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com 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

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 4/29/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-26

Project: Gerard AW Battery Collection Date: 4/20/2022 12:30:00 PM

Lab ID: 2204981-001 **Matrix:** MEOH (SOIL) **Received Date:** 4/22/2022 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: MRA
Chloride	2300	59	mg/Kg	20	4/22/2022 5:49:09 PM	67022
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	: SB
Diesel Range Organics (DRO)	290	10	mg/Kg	1	4/24/2022 3:11:50 PM	67012
Motor Oil Range Organics (MRO)	110	50	mg/Kg	1	4/24/2022 3:11:50 PM	67012
Surr: DNOP	102	51.1-141	%Rec	1	4/24/2022 3:11:50 PM	67012
EPA METHOD 8015D: GASOLINE RANGE					Analyst	:: BRM
Gasoline Range Organics (GRO)	19	17	mg/Kg	5	4/22/2022 1:29:00 PM	A87447
Surr: BFB	187	37.7-212	%Rec	5	4/22/2022 1:29:00 PM	A87447
EPA METHOD 8021B: VOLATILES					Analyst	:: BRM
Benzene	ND	0.085	mg/Kg	5	4/22/2022 1:29:00 PM	B87447
Toluene	ND	0.17	mg/Kg	5	4/22/2022 1:29:00 PM	B87447
Ethylbenzene	ND	0.17	mg/Kg	5	4/22/2022 1:29:00 PM	B87447
Xylenes, Total	ND	0.34	mg/Kg	5	4/22/2022 1:29:00 PM	B87447
Surr: 4-Bromofluorobenzene	96.1	70-130	%Rec	5	4/22/2022 1:29:00 PM	B87447

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

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Date Reported: 4/29/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-27

Project: Gerard AW Battery Collection Date: 4/20/2022 12:40:00 PM

Lab ID: 2204981-002 **Matrix:** MEOH (SOIL) **Received Date:** 4/22/2022 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	: LRN
Chloride	3500	150	mg/Kg	50	4/25/2022 8:59:13 AM	67022
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analys	t: SB
Diesel Range Organics (DRO)	280	10	mg/Kg	1	4/24/2022 3:35:22 PM	67012
Motor Oil Range Organics (MRO)	160	50	mg/Kg	1	4/24/2022 3:35:22 PM	67012
Surr: DNOP	105	51.1-141	%Rec	1	4/24/2022 3:35:22 PM	67012
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: BRM
Gasoline Range Organics (GRO)	ND	3.4	mg/Kg	1	4/22/2022 2:28:00 PM	A87447
Surr: BFB	117	37.7-212	%Rec	1	4/22/2022 2:28:00 PM	A87447
EPA METHOD 8021B: VOLATILES					Analys	t: BRM
Benzene	ND	0.017	mg/Kg	1	4/22/2022 2:28:00 PM	B87447
Toluene	ND	0.034	mg/Kg	1	4/22/2022 2:28:00 PM	B87447
Ethylbenzene	ND	0.034	mg/Kg	1	4/22/2022 2:28:00 PM	B87447
Xylenes, Total	ND	0.068	mg/Kg	1	4/22/2022 2:28:00 PM	B87447
Surr: 4-Bromofluorobenzene	84.7	70-130	%Rec	1	4/22/2022 2:28:00 PM	B87447

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

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Date Reported: 4/29/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-28

 Project:
 Gerard AW Battery
 Collection Date: 4/20/2022 12:50:00 PM

 Lab ID:
 2204981-003
 Matrix: MEOH (SOIL)
 Received Date: 4/22/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analys	t: MRA
Chloride	580	60		mg/Kg	20	4/22/2022 6:13:57 PM	67022
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS					Analys	t: SB
Diesel Range Organics (DRO)	340	9.2		mg/Kg	1	4/24/2022 3:58:55 PM	67012
Motor Oil Range Organics (MRO)	130	46		mg/Kg	1	4/24/2022 3:58:55 PM	67012
Surr: DNOP	103	51.1-141		%Rec	1	4/24/2022 3:58:55 PM	67012
EPA METHOD 8015D: GASOLINE RANGE						Analys	t: BRM
Gasoline Range Organics (GRO)	38	17		mg/Kg	5	4/22/2022 3:27:00 PM	A87447
Surr: BFB	281	37.7-212	S	%Rec	5	4/22/2022 3:27:00 PM	A87447
EPA METHOD 8021B: VOLATILES						Analys	t: BRM
Benzene	ND	0.086		mg/Kg	5	4/22/2022 3:27:00 PM	B87447
Toluene	ND	0.17		mg/Kg	5	4/22/2022 3:27:00 PM	B87447
Ethylbenzene	ND	0.17		mg/Kg	5	4/22/2022 3:27:00 PM	B87447
Xylenes, Total	ND	0.35		mg/Kg	5	4/22/2022 3:27:00 PM	B87447
Surr: 4-Bromofluorobenzene	114	70-130		%Rec	5	4/22/2022 3:27:00 PM	B87447

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

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Surr: 4-Bromofluorobenzene

Analytical Report Lab Order 2204981

Date Reported: 4/29/2022

4/22/2022 3:47:00 PM

B87447

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-23A

 Project:
 Gerard AW Battery
 Collection Date: 4/20/2022 1:00:00 PM

 Lab ID:
 2204981-004
 Matrix: MEOH (SOIL)
 Received Date: 4/22/2022 8:00:00 AM

Result **RL Oual Units DF** Date Analyzed **Batch** Analyses **EPA METHOD 300.0: ANIONS** Analyst: LRN Chloride 9000 300 mg/Kg 100 4/25/2022 9:11:34 AM 67022 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) 10 mg/Kg 4/24/2022 4:22:30 PM 67012 Motor Oil Range Organics (MRO) 110 50 mg/Kg 1 4/24/2022 4:22:30 PM 67012 Surr: DNOP 107 67012 51.1-141 %Rec 4/24/2022 4:22:30 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: BRM 4/22/2022 3:47:00 PM Gasoline Range Organics (GRO) ND 5 A87447 16 mg/Kg Surr: BFB 123 37.7-212 %Rec 5 4/22/2022 3:47:00 PM A87447 **EPA METHOD 8021B: VOLATILES** Analyst: BRM Benzene ND 0.082 4/22/2022 3:47:00 PM B87447 mg/Kg 5 mg/Kg Toluene ND 0.16 4/22/2022 3:47:00 PM B87447 Ethylbenzene ND 0.16 mg/Kg 5 4/22/2022 3:47:00 PM B87447 Xylenes, Total ND 0.33 mg/Kg 5 4/22/2022 3:47:00 PM B87447

86.9

70-130

%Rec

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

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Date Reported: 4/29/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-28A

 Project:
 Gerard AW Battery
 Collection Date: 4/20/2022 1:10:00 PM

 Lab ID:
 2204981-005
 Matrix: MEOH (SOIL)
 Received Date: 4/22/2022 8:00:00 AM

Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	9400	300	mg/Kg	100	4/25/2022 9:23:54 AM	67022
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	4/24/2022 4:46:06 PM	67012
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	4/24/2022 4:46:06 PM	67012
Surr: DNOP	95.4	51.1-141	%Rec	1	4/24/2022 4:46:06 PM	67012
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: BRM
Gasoline Range Organics (GRO)	ND	3.8	mg/Kg	1	4/22/2022 4:07:00 PM	A87447
Surr: BFB	109	37.7-212	%Rec	1	4/22/2022 4:07:00 PM	A87447
EPA METHOD 8021B: VOLATILES					Analyst	: BRM
Benzene	ND	0.019	mg/Kg	1	4/22/2022 4:07:00 PM	B87447
Toluene	ND	0.038	mg/Kg	1	4/22/2022 4:07:00 PM	B87447
Ethylbenzene	ND	0.038	mg/Kg	1	4/22/2022 4:07:00 PM	B87447
Xylenes, Total	ND	0.076	mg/Kg	1	4/22/2022 4:07:00 PM	B87447
Surr: 4-Bromofluorobenzene	86.6	70-130	%Rec	1	4/22/2022 4:07:00 PM	B87447

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

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Date Reported: 4/29/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-29

Project: Gerard AW Battery **Collection Date:** 4/20/2022 1:20:00 PM

Lab ID: 2204981-006 **Matrix:** MEOH (SOIL) **Received Date:** 4/22/2022 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	2800	150	mg/Kg	50	4/25/2022 9:36:15 AM	67022
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	4/24/2022 5:09:40 PM	67012
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	4/24/2022 5:09:40 PM	67012
Surr: DNOP	95.9	51.1-141	%Rec	1	4/24/2022 5:09:40 PM	67012
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: BRM
Gasoline Range Organics (GRO)	ND	3.4	mg/Kg	1	4/22/2022 4:26:00 PM	A87447
Surr: BFB	105	37.7-212	%Rec	1	4/22/2022 4:26:00 PM	A87447
EPA METHOD 8021B: VOLATILES					Analyst	: BRM
Benzene	ND	0.017	mg/Kg	1	4/22/2022 4:26:00 PM	B87447
Toluene	ND	0.034	mg/Kg	1	4/22/2022 4:26:00 PM	B87447
Ethylbenzene	ND	0.034	mg/Kg	1	4/22/2022 4:26:00 PM	B87447
Xylenes, Total	ND	0.067	mg/Kg	1	4/22/2022 4:26:00 PM	B87447
Surr: 4-Bromofluorobenzene	85.6	70-130	%Rec	1	4/22/2022 4:26:00 PM	B87447

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

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Date Reported: 4/29/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-30

 Project:
 Gerard AW Battery
 Collection Date: 4/20/2022 1:30:00 PM

 Lab ID:
 2204981-007
 Matrix: MEOH (SOIL)
 Received Date: 4/22/2022 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: LRN
Chloride	3700	150	mg/Kg	50	4/25/2022 9:48:37 AM	67022
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analys	t: SB
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	4/24/2022 5:33:26 PM	67012
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	4/24/2022 5:33:26 PM	67012
Surr: DNOP	92.4	51.1-141	%Rec	1	4/24/2022 5:33:26 PM	67012
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: BRM
Gasoline Range Organics (GRO)	ND	3.7	mg/Kg	1	4/22/2022 4:46:00 PM	A87447
Surr: BFB	105	37.7-212	%Rec	1	4/22/2022 4:46:00 PM	A87447
EPA METHOD 8021B: VOLATILES					Analys	t: BRM
Benzene	ND	0.019	mg/Kg	1	4/22/2022 4:46:00 PM	B87447
Toluene	ND	0.037	mg/Kg	1	4/22/2022 4:46:00 PM	B87447
Ethylbenzene	ND	0.037	mg/Kg	1	4/22/2022 4:46:00 PM	B87447
Xylenes, Total	ND	0.074	mg/Kg	1	4/22/2022 4:46:00 PM	B87447
Surr: 4-Bromofluorobenzene	82.6	70-130	%Rec	1	4/22/2022 4:46:00 PM	B87447

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

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Date Reported: 4/29/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-31

 Project:
 Gerard AW Battery
 Collection Date: 4/20/2022 1:40:00 PM

 Lab ID:
 2204981-008
 Matrix: MEOH (SOIL)
 Received Date: 4/22/2022 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	5000	300	mg/Kg	100	0 4/25/2022 10:00:58 AM	67022
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	:: SB
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	4/24/2022 5:57:01 PM	67012
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	4/24/2022 5:57:01 PM	67012
Surr: DNOP	92.5	51.1-141	%Rec	1	4/24/2022 5:57:01 PM	67012
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: BRM
Gasoline Range Organics (GRO)	ND	3.4	mg/Kg	1	4/22/2022 7:04:00 PM	A87447
Surr: BFB	105	37.7-212	%Rec	1	4/22/2022 7:04:00 PM	A87447
EPA METHOD 8021B: VOLATILES					Analyst	: BRM
Benzene	ND	0.017	mg/Kg	1	4/22/2022 7:04:00 PM	B87447
Toluene	ND	0.034	mg/Kg	1	4/22/2022 7:04:00 PM	B87447
Ethylbenzene	ND	0.034	mg/Kg	1	4/22/2022 7:04:00 PM	B87447
Xylenes, Total	ND	0.069	mg/Kg	1	4/22/2022 7:04:00 PM	B87447
Surr: 4-Bromofluorobenzene	86.6	70-130	%Rec	1	4/22/2022 7:04:00 PM	B87447

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

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Xylenes, Total

Surr: 4-Bromofluorobenzene

Analytical Report Lab Order 2204981

Date Reported: 4/29/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-31A

 Project:
 Gerard AW Battery
 Collection Date: 4/20/2022 1:50:00 PM

 Lab ID:
 2204981-009
 Matrix: MEOH (SOIL)
 Received Date: 4/22/2022 8:00:00 AM

Result **RL Qual Units DF** Date Analyzed **Batch** Analyses **EPA METHOD 300.0: ANIONS** Analyst: MRA Chloride 1700 60 mg/Kg 20 4/22/2022 8:18:05 PM 67022 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) 9.8 mg/Kg 4/24/2022 6:20:36 PM 67012 Motor Oil Range Organics (MRO) ND 49 mg/Kg 1 4/24/2022 6:20:36 PM 67012 Surr: DNOP 96.7 67012 51.1-141 %Rec 4/24/2022 6:20:36 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: BRM Gasoline Range Organics (GRO) ND 5 4/22/2022 7:24:00 PM A87447 13 mg/Kg Surr: BFB 107 37.7-212 %Rec 5 4/22/2022 7:24:00 PM A87447 **EPA METHOD 8021B: VOLATILES** Analyst: BRM Benzene ND 0.066 4/22/2022 7:24:00 PM B87447 mg/Kg 5 mg/Kg Toluene ND 0.13 4/22/2022 7:24:00 PM B87447 Ethylbenzene ND 0.13 mg/Kg 5 4/22/2022 7:24:00 PM B87447

ND

84.4

0.26

70-130

mg/Kg

%Rec

5

4/22/2022 7:24:00 PM

4/22/2022 7:24:00 PM

B87447

B87447

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2204981**

29-Apr-22

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: MB-67022 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 67022 RunNo: 87446

Prep Date: 4/22/2022 Analysis Date: 4/22/2022 SeqNo: 3094481 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-67022 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 67022 RunNo: 87446

Prep Date: 4/22/2022 Analysis Date: 4/22/2022 SeqNo: 3094482 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 93.3 90 110

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2204981**

29-Apr-22

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: MB-67012	SampT	SampType: MBLK				Code: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch	n ID: 67 0)12	F	RunNo: 87	7468						
Prep Date: 4/22/2022	Analysis D)ate: 4/ :	24/2022	5	SeqNo: 30	095129	Units: mg/K	g				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Diesel Range Organics (DRO)	ND	10										
Motor Oil Range Organics (MRO)	ND	50										
Surr: DNOP	9.2		10.00		91.9	51.1	141					
Sample ID: LCS-67012	SampT	vpe: LC		TestCode: EPA Method 8015M/D: Diesel Range Organics								

Sample ID: LCS-67012	SampT	ype: LC	S	TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batcl	Batch ID: 67012 RunNo: 87468									
Prep Date: 4/22/2022	Analysis D	Date: 4/2	24/2022	5	SeqNo: 30	095130	Units: mg/K	g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	52	10	50.00	0	104	68.9	135				
Surr: DNOP	4.4		5.000		88.3	51.1	141				

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

10000

SampType: MSD

WO#: **2204981 29-**Apr-22

S

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: 2.5ug gro lcs	SampType:	LCS	Tes	tCode: EF	PA Method	8015D: Gasoli	ine Range		
Client ID: LCSS	Batch ID:	A87447	F	RunNo: 87	7447				
Prep Date:	Analysis Date:	4/22/2022	5	SeqNo: 30	094878	Units: mg/Kg	g		
Analyte	Result PC	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0 25.00	0	101	72.3	137			
Surr: BFB	2100	1000		211	37.7	212			
Sample ID: mb	SampType:	MBLK	Tes	tCode: EF	PA Method	8015D: Gasoli	ine Range		
Client ID: PBS	Batch ID:	A87447	F	RunNo: 87	7447				
Prep Date:	Analysis Date:	4/22/2022	5	SeqNo: 30	094879	Units: mg/Kg	g		
Analyte	Result PC	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO) Surr: BFB	ND 1000	5.0 1000		105	37.7	212			
Sample ID: 2204981-001ams	SampType:	MS	Tes	tCode: EF	PA Method	8015D: Gasoli	ine Range		
Client ID: SW-26	Batch ID:	A87447	F	RunNo: 87	7447				
Prep Date:	Analysis Date:	4/22/2022	5	SeqNo: 30	094884	Units: mg/Kg	g		
Analyte	Result PC	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	110	17 84.80	19.13	104	70	130			

Client ID:	SW-26	Batcl	n ID: A8	7447	F	RunNo: 87	7447					
Prep Date:		Analysis [)ate: 4/ 2	22/2022	5	SeqNo: 30	094885	Units: mg/K	g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Rang	e Organics (GRO)	110	17	84.80	19.13	104	70	130	0.0316	20		
Surr: BFB		10000		3392		294	37.7	212	0	0	S	

296

37.7

TestCode: EPA Method 8015D: Gasoline Range

212

3392

Qualifiers:

Surr: BFB

Sample ID: 2204981-001amsd

- 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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2204981**

29-Apr-22

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: 100ng btex Ics	Samp ¹	Гуре: LC	S	Tes	tCode: EF	les				
Client ID: LCSS	Batc	Batch ID: B87447 RunNo: 87447								
Prep Date:	Analysis [Date: 4/ 2	22/2022	5	SeqNo: 30	094943	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.81	0.025	1.000	0	81.1	80	120			
Toluene	0.84	0.050	1.000	0	83.6	80	120			
Ethylbenzene	0.85	0.050	1.000	0	85.3	80	120			
Xylenes, Total	2.5	0.10	3.000	0	84.7	80	120			
Surr: 4-Bromofluorobenzene	0.85		1.000		85.3	70	130			

Sample ID: mb	Samp1	Гуре: МЕ	BLK	Tes	tCode: EF					
Client ID: PBS	Batch ID: B87447			F	RunNo: 87447					
Prep Date:	Analysis [Date: 4/ 2	22/2022	5	SeqNo: 30	094944	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.84		1.000		83.9	70	130			

Sample ID: 2204981-002amso	SampType: MSD			204981-002amsd SampType: MSD TestCode: EPA Method 8021B: Volatiles							TestCode: EPA Method 8021B: Volatiles							
Client ID: SW-27	Bato	h ID: B8	7447	RunNo: 87447														
Prep Date:	Analysis	Date: 4/ 3	22/2022	5	SeqNo: 30	094951	Units: mg/K	g										
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual								
Benzene	0.51	0.017	0.6757	0	75.2	68.8	120	3.83	20									
Toluene	0.53	0.034	0.6757	0	78.1	73.6	124	3.44	20									
Ethylbenzene	0.54	0.034	0.6757	0	79.4	72.7	129	2.41	20									
Xylenes, Total	1.6	0.068	2.027	0	79.1	75.7	126	2.24	20									
Surr: 4-Bromofluorobenzene	0.55		0.6757		80.8	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

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

Sample Log-In Check List

Client Name: GHD Midland	Work Order Num	ber: 2204981		RcptNo: 1	
Received By: Cheyenne Cason	4/22/2022 8:00:00	АМ	Chal		
Completed By: Desiree Dominguez	4/22/2022 8:19:52	AM	1		
Reviewed By: CMC	4/22/20		13		
Chain of Custody					
1. Is Chain of Custody complete?		Yes 🗸	No 🗌	Not Present	
2. How was the sample delivered?		Courier			
Log In				70.00	
Was an attempt made to cool the samp	oles?	Yes 🗸	No 🗌	NA 🔲	
4. Were all samples received at a tempera	ature 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 to	est(s)?	Yes 🗹	No 🗆		
Are samples (except VOA and ONG) pr	operly 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 🗹	
0. Were any sample containers received b	oroken?	Yes	No 🗸	Winds and a second	
				# of preserved bottles checked	
11. Does paperwork match bottle labels?	,	Yes 🗸	No 🗌	for pH:	
(Note discrepancies on chain of custody 2. Are matrices correctly identified on Chai			W. [7]	(<2 or >12 unl Adjusted?	ess noted)
3. Is it clear what analyses were requested		Yes ✓ Yes ✓	No 🗌	/ lajusted !	-
4. Were all holding times able to be met?		Yes 🗹	No 🗆	Checked by:	122/2
(If no, notify customer for authorization.)		ies 💌	100 -	Onecked by.	112012
pecial Handling (if applicable)					
15. Was client notified of all discrepancies v	with this order?	Yes	No 🗌	NA 🗹	
Person Notified:	Date:				
By Whom:	Via:		Phone Fax	☐ In Person	
Regarding:				C m. r sidesii	
Client Instructions:					
16. Additional remarks:					
17. Cooler Information Cooler No Temp °C Condition	Seal Intact Seal No	Soal Data	Signed D		
1 2.1 Good	Geal Illiact Seal No	Seal Date	Signed By		
2 0.4 Good					

Received by OCD: 5/27/2022 8:30:28 Page 358 of 414 MOND | Zach. Comino @ GHD, Com, Amber_Griff. in @ Cos (e sources, com **ANALYSIS LABORATORY** HALL ENVIRONMENTAL If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report. Direct bill to 800, Athr. Chase Suttle 4901 Hawkins NE - Albuquerque, NM 87109 Fax 505-345-4107 005 X Remarks: 7/2 Evail: "Tom, Belly, Health X ٨ K www.hallenvironmental.com U Analysis Request Total Coliform (Present/Absent) chase, suttle @ Cogresources, com. (AOV-ima2) 07S8 (AOV) 09S8 CI' E' BL' NO3' NO5' EO4' 204 Tel. 505-345-3975 RCRA 8 Metals PAHs by 8310 or 8270SIMS EDB (Method 504.1) Pesticides/8082 PCB's 1808 ED(GRO / DRO / MRO) Q Q e タタ L 9 X V 0 (1508) s'BMT NTBE / BTEX / 2 Cooler Temp(including CF): O. 4 -O_ O,4 (°C) Math. 30 2 0 9 45. 10 m com yester 0800 Time 2204981 F00-200-000 -003 -008 100 h00hr -005 600-Iom. Larson @ GHD. Com 491/12 2 Crevard AW Battery 12 2.1-02 Z Rush Project Manager: 'Becycy Preservative 7682211 8/10 So Yes MANAMA y Type Turn-Around Time: Via: Via: # of Coolers: 2 Project Name: □ Standard Type and # my Received by: Container Received by: Project #: Sampler: 402. Je On Ice: □ Level 4 (Full Validation) Chain-of-Custody Record Mailing Address: 2 (35 S. Loop 250 U email or Fax#: Becky. Haskell @ らHo Sample Name ISH-23 A B.H-28A 5W-23 BH-31A 92-05 LZ-05 50-30 SW-31 57-75 Phone #: 432 - 686 - 008L □ Az Compliance 7970 Relinquished by: Relinquished by: □ Other Matrix Q Client: CAIN QA/QC Package: 1330 0251 1230 (300 ☐ EDD (Type) 0421 0521 1240 1350 Time 200 1310 7 2 900 Accreditation: Time: Time: W. oland □ Standard □ NELAC 1/20 Date 1/20 X X



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

May 05, 2022

Becky Haskell GHD Midland 2135 S Loop 250 W Midland, TX 79703

TEL: (432) 686-0086

FAX:

RE: Gerard AW Battery OrderNo.: 2204A29

Dear Becky Haskell:

Hall Environmental Analysis Laboratory received 17 sample(s) on 4/23/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report Lab Order 2204A29

Date Reported: 5/5/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-29A

 Project:
 Gerard AW Battery
 Collection Date: 4/21/2022 12:00:00 PM

 Lab ID:
 2204A29-001
 Matrix: SOIL
 Received Date: 4/23/2022 8:25:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS Analyst: JN						: ЈМТ
Chloride	7300	300	mg/Kg	100	0 4/26/2022 10:05:10 AM	67054
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analys					: ED	
Diesel Range Organics (DRO)	1000	49	mg/Kg	5	4/26/2022 3:33:04 PM	67035
Motor Oil Range Organics (MRO)	470	240	mg/Kg	5	4/26/2022 3:33:04 PM	67035
Surr: DNOP	82.6	51.1-141	%Rec	5	4/26/2022 3:33:04 PM	67035
EPA METHOD 8015D: GASOLINE RANGE Analyst:					: NSB	
Gasoline Range Organics (GRO)	ND	25	mg/Kg	5	4/25/2022 11:00:11 AM	67031
Surr: BFB	104	37.7-212	%Rec	5	4/25/2022 11:00:11 AM	67031
EPA METHOD 8021B: VOLATILES Analyst: NS						: NSB
Benzene	ND	0.12	mg/Kg	5	4/25/2022 11:00:11 AM	67031
Toluene	ND	0.25	mg/Kg	5	4/25/2022 11:00:11 AM	67031
Ethylbenzene	ND	0.25	mg/Kg	5	4/25/2022 11:00:11 AM	67031
Xylenes, Total	ND	0.50	mg/Kg	5	4/25/2022 11:00:11 AM	67031
Surr: 4-Bromofluorobenzene	102	70-130	%Rec	5	4/25/2022 11:00:11 AM	67031

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

eporting Limit Page 1 of 21

Date Reported: 5/5/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-56

 Project:
 Gerard AW Battery
 Collection Date: 4/21/2022 12:10:00 PM

 Lab ID:
 2204A29-002
 Matrix: SOIL
 Received Date: 4/23/2022 8:25:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	: ЈМТ
Chloride	12000	600	mg/Kg	200	0 4/26/2022 10:17:31 AM	67054
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	: ED
Diesel Range Organics (DRO)	470	9.8	mg/Kg	1	4/26/2022 11:11:31 AM	67035
Motor Oil Range Organics (MRO)	220	49	mg/Kg	1	4/26/2022 11:11:31 AM	67035
Surr: DNOP	89.8	51.1-141	%Rec	1	4/26/2022 11:11:31 AM	67035
EPA METHOD 8015D: GASOLINE RANGE					Analys	: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	4/25/2022 5:16:28 PM	67031
Surr: BFB	114	37.7-212	%Rec	1	4/25/2022 5:16:28 PM	67031
EPA METHOD 8021B: VOLATILES					Analys	: NSB
Benzene	ND	0.025	mg/Kg	1	4/25/2022 5:16:28 PM	67031
Toluene	ND	0.050	mg/Kg	1	4/25/2022 5:16:28 PM	67031
Ethylbenzene	ND	0.050	mg/Kg	1	4/25/2022 5:16:28 PM	67031
Xylenes, Total	ND	0.10	mg/Kg	1	4/25/2022 5:16:28 PM	67031
Surr: 4-Bromofluorobenzene	104	70-130	%Rec	1	4/25/2022 5:16:28 PM	67031

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

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Date Reported: 5/5/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-57

 Project:
 Gerard AW Battery
 Collection Date: 4/21/2022 12:20:00 PM

 Lab ID:
 2204A29-003
 Matrix: SOIL
 Received Date: 4/23/2022 8:25:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: ЈМТ
Chloride	5500	300	mg/Kg	100	0 4/26/2022 10:29:52 AM	67054
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	: ED
Diesel Range Organics (DRO)	230	10	mg/Kg	1	4/26/2022 11:32:59 AM	67035
Motor Oil Range Organics (MRO)	110	50	mg/Kg	1	4/26/2022 11:32:59 AM	67035
Surr: DNOP	95.8	51.1-141	%Rec	1	4/26/2022 11:32:59 AM	67035
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	4/25/2022 8:24:30 PM	67031
Surr: BFB	103	37.7-212	%Rec	1	4/25/2022 8:24:30 PM	67031
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	4/25/2022 8:24:30 PM	67031
Toluene	ND	0.048	mg/Kg	1	4/25/2022 8:24:30 PM	67031
Ethylbenzene	ND	0.048	mg/Kg	1	4/25/2022 8:24:30 PM	67031
Xylenes, Total	ND	0.097	mg/Kg	1	4/25/2022 8:24:30 PM	67031
Surr: 4-Bromofluorobenzene	98.7	70-130	%Rec	1	4/25/2022 8:24:30 PM	67031

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

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CLIENT: GHD Midland

Analytical Report Lab Order 2204A29

Date Reported: 5/5/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH-58

 Project:
 Gerard AW Battery
 Collection Date: 4/21/2022 12:30:00 PM

 Lab ID:
 2204A29-004
 Matrix: SOIL
 Received Date: 4/23/2022 8:25:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	910	60	mg/Kg	20	4/25/2022 8:43:04 PM	67054
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	:: ED
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	4/26/2022 11:54:49 AM	67035
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	4/26/2022 11:54:49 AM	67035
Surr: DNOP	90.0	51.1-141	%Rec	1	4/26/2022 11:54:49 AM	67035
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	4/25/2022 8:48:03 PM	67031
Surr: BFB	95.1	37.7-212	%Rec	1	4/25/2022 8:48:03 PM	67031
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	4/25/2022 8:48:03 PM	67031
Toluene	ND	0.049	mg/Kg	1	4/25/2022 8:48:03 PM	67031
Ethylbenzene	ND	0.049	mg/Kg	1	4/25/2022 8:48:03 PM	67031
Xylenes, Total	ND	0.099	mg/Kg	1	4/25/2022 8:48:03 PM	67031
Surr: 4-Bromofluorobenzene	99.4	70-130	%Rec	1	4/25/2022 8:48:03 PM	67031

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

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Date Reported: 5/5/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-59

 Project:
 Gerard AW Battery
 Collection Date: 4/21/2022 12:40:00 PM

 Lab ID:
 2204A29-005
 Matrix: SOIL
 Received Date: 4/23/2022 8:25:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: ЈМТ
Chloride	6000	300	mg/Kg	100	0 4/26/2022 10:42:13 AM	67054
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	: ED
Diesel Range Organics (DRO)	25	9.7	mg/Kg	1	4/26/2022 12:05:37 PM	67035
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	4/26/2022 12:05:37 PM	67035
Surr: DNOP	106	51.1-141	%Rec	1	4/26/2022 12:05:37 PM	67035
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	4/25/2022 9:11:40 PM	67031
Surr: BFB	93.7	37.7-212	%Rec	1	4/25/2022 9:11:40 PM	67031
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	4/25/2022 9:11:40 PM	67031
Toluene	ND	0.050	mg/Kg	1	4/25/2022 9:11:40 PM	67031
Ethylbenzene	ND	0.050	mg/Kg	1	4/25/2022 9:11:40 PM	67031
Xylenes, Total	ND	0.10	mg/Kg	1	4/25/2022 9:11:40 PM	67031
Surr: 4-Bromofluorobenzene	97.5	70-130	%Rec	1	4/25/2022 9:11:40 PM	67031

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

Qualifiers:

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

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Date Reported: 5/5/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-60

 Project:
 Gerard AW Battery
 Collection Date: 4/21/2022 12:50:00 PM

 Lab ID:
 2204A29-006
 Matrix: SOIL
 Received Date: 4/23/2022 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: ЈМТ
Chloride	4300	300		mg/Kg	100	4/26/2022 10:54:33 AM	67054
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS					Analyst	: ED
Diesel Range Organics (DRO)	3100	93		mg/Kg	10	4/26/2022 12:16:26 PM	67035
Motor Oil Range Organics (MRO)	1700	460		mg/Kg	10	4/26/2022 12:16:26 PM	67035
Surr: DNOP	0	51.1-141	S	%Rec	10	4/26/2022 12:16:26 PM	67035
EPA METHOD 8015D: GASOLINE RANGE						Analyst	: NSB
Gasoline Range Organics (GRO)	14	4.9		mg/Kg	1	4/25/2022 9:35:11 PM	67031
Surr: BFB	182	37.7-212		%Rec	1	4/25/2022 9:35:11 PM	67031
EPA METHOD 8021B: VOLATILES						Analyst	: NSB
Benzene	ND	0.025		mg/Kg	1	4/25/2022 9:35:11 PM	67031
Toluene	ND	0.049		mg/Kg	1	4/25/2022 9:35:11 PM	67031
Ethylbenzene	ND	0.049		mg/Kg	1	4/25/2022 9:35:11 PM	67031
Xylenes, Total	ND	0.099		mg/Kg	1	4/25/2022 9:35:11 PM	67031
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	4/25/2022 9:35:11 PM	67031

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

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Date Reported: 5/5/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SWX-12A

 Project:
 Gerard AW Battery
 Collection Date: 4/21/2022 1:00:00 PM

 Lab ID:
 2204A29-007
 Matrix: SOIL
 Received Date: 4/23/2022 8:25:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: LRN
Chloride	1200	60	mg/Kg	20	4/25/2022 9:20:07 PM	67054
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	9.1	mg/Kg	1	4/26/2022 12:27:17 PM	67035
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	4/26/2022 12:27:17 PM	67035
Surr: DNOP	85.7	51.1-141	%Rec	1	4/26/2022 12:27:17 PM	67035
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	4/25/2022 9:58:43 PM	67031
Surr: BFB	95.6	37.7-212	%Rec	1	4/25/2022 9:58:43 PM	67031
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.024	mg/Kg	1	4/25/2022 9:58:43 PM	67031
Toluene	ND	0.049	mg/Kg	1	4/25/2022 9:58:43 PM	67031
Ethylbenzene	ND	0.049	mg/Kg	1	4/25/2022 9:58:43 PM	67031
Xylenes, Total	ND	0.098	mg/Kg	1	4/25/2022 9:58:43 PM	67031
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	1	4/25/2022 9:58:43 PM	67031

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

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Date Reported: 5/5/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SWX-13A

 Project:
 Gerard AW Battery
 Collection Date: 4/21/2022 1:10:00 PM

 Lab ID:
 2204A29-008
 Matrix: SOIL
 Received Date: 4/23/2022 8:25:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	: LRN
Chloride	930	60	mg/Kg	20	4/25/2022 9:32:28 PM	67054
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analys	: ED
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	4/26/2022 12:38:06 PM	67035
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	4/26/2022 12:38:06 PM	67035
Surr: DNOP	87.7	51.1-141	%Rec	1	4/26/2022 12:38:06 PM	67035
EPA METHOD 8015D: GASOLINE RANGE					Analys	: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	4/25/2022 10:22:12 PM	67031
Surr: BFB	98.5	37.7-212	%Rec	1	4/25/2022 10:22:12 PM	67031
EPA METHOD 8021B: VOLATILES					Analys	: NSB
Benzene	ND	0.025	mg/Kg	1	4/25/2022 10:22:12 PM	67031
Toluene	ND	0.050	mg/Kg	1	4/25/2022 10:22:12 PM	67031
Ethylbenzene	ND	0.050	mg/Kg	1	4/25/2022 10:22:12 PM	67031
Xylenes, Total	ND	0.10	mg/Kg	1	4/25/2022 10:22:12 PM	67031
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	1	4/25/2022 10:22:12 PM	67031

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

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Date Reported: 5/5/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-32

 Project:
 Gerard AW Battery
 Collection Date: 4/21/2022 1:20:00 PM

 Lab ID:
 2204A29-009
 Matrix: SOIL
 Received Date: 4/23/2022 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: JMT
Chloride	4800	150		mg/Kg	50	4/26/2022 11:06:53 AM	67054
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst	: ED
Diesel Range Organics (DRO)	1300	96		mg/Kg	10	4/26/2022 12:48:58 PM	67035
Motor Oil Range Organics (MRO)	640	480		mg/Kg	10	4/26/2022 12:48:58 PM	67035
Surr: DNOP	0	51.1-141	S	%Rec	10	4/26/2022 12:48:58 PM	67035
EPA METHOD 8015D: GASOLINE RANGE						Analyst	: NSB
Gasoline Range Organics (GRO)	8.0	5.0		mg/Kg	1	4/25/2022 10:45:47 PM	67031
Surr: BFB	173	37.7-212		%Rec	1	4/25/2022 10:45:47 PM	67031
EPA METHOD 8021B: VOLATILES						Analyst	: NSB
Benzene	ND	0.025		mg/Kg	1	4/25/2022 10:45:47 PM	67031
Toluene	ND	0.050		mg/Kg	1	4/25/2022 10:45:47 PM	67031
Ethylbenzene	ND	0.050		mg/Kg	1	4/25/2022 10:45:47 PM	67031
Xylenes, Total	ND	0.099		mg/Kg	1	4/25/2022 10:45:47 PM	67031
Surr: 4-Bromofluorobenzene	99.0	70-130		%Rec	1	4/25/2022 10:45:47 PM	67031

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

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Date Reported: 5/5/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-33

 Project:
 Gerard AW Battery
 Collection Date: 4/21/2022 1:30:00 PM

 Lab ID:
 2204A29-010
 Matrix: SOIL
 Received Date: 4/23/2022 8:25:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	JMT
Chloride	3200	150	mg/Kg	50	4/26/2022 11:19:14 AM	67054
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS					Analyst:	ED
Diesel Range Organics (DRO)	13	9.7	mg/Kg	1	4/26/2022 12:59:50 PM	67035
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	4/26/2022 12:59:50 PM	67035
Surr: DNOP	101	51.1-141	%Rec	1	4/26/2022 12:59:50 PM	67035
EPA METHOD 8015D: GASOLINE RANGE					Analyst:	NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	4/25/2022 11:09:28 PM	67031
Surr: BFB	95.4	37.7-212	%Rec	1	4/25/2022 11:09:28 PM	67031
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.025	mg/Kg	1	4/25/2022 11:09:28 PM	67031
Toluene	ND	0.049	mg/Kg	1	4/25/2022 11:09:28 PM	67031
Ethylbenzene	ND	0.049	mg/Kg	1	4/25/2022 11:09:28 PM	67031
Xylenes, Total	ND	0.099	mg/Kg	1	4/25/2022 11:09:28 PM	67031
Surr: 4-Bromofluorobenzene	100	70-130	%Rec	1	4/25/2022 11:09:28 PM	67031

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

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Date Reported: 5/5/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-34

 Project:
 Gerard AW Battery
 Collection Date: 4/21/2022 1:40:00 PM

 Lab ID:
 2204A29-011
 Matrix: SOIL
 Received Date: 4/23/2022 8:25:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	2000	60	mg/Kg	20	4/25/2022 10:58:53 PM	67054
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	: ED
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	4/26/2022 1:21:25 PM	67035
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	4/26/2022 1:21:25 PM	67035
Surr: DNOP	86.5	51.1-141	%Rec	1	4/26/2022 1:21:25 PM	67035
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	4/25/2022 11:56:44 PM	67031
Surr: BFB	99.0	37.7-212	%Rec	1	4/25/2022 11:56:44 PM	67031
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	4/25/2022 11:56:44 PM	67031
Toluene	ND	0.050	mg/Kg	1	4/25/2022 11:56:44 PM	67031
Ethylbenzene	ND	0.050	mg/Kg	1	4/25/2022 11:56:44 PM	67031
Xylenes, Total	ND	0.10	mg/Kg	1	4/25/2022 11:56:44 PM	67031
Surr: 4-Bromofluorobenzene	102	70-130	%Rec	1	4/25/2022 11:56:44 PM	67031

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

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Date Reported: 5/5/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-35

 Project:
 Gerard AW Battery
 Collection Date: 4/21/2022 1:50:00 PM

 Lab ID:
 2204A29-012
 Matrix: SOIL
 Received Date: 4/23/2022 8:25:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	1200	60	mg/Kg	20	4/25/2022 11:11:14 PM	67054
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: ED
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	4/26/2022 1:32:12 PM	67035
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	4/26/2022 1:32:12 PM	67035
Surr: DNOP	87.8	51.1-141	%Rec	1	4/26/2022 1:32:12 PM	67035
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	4/26/2022 12:20:21 AM	67031
Surr: BFB	97.2	37.7-212	%Rec	1	4/26/2022 12:20:21 AM	67031
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	4/26/2022 12:20:21 AM	67031
Toluene	ND	0.049	mg/Kg	1	4/26/2022 12:20:21 AM	67031
Ethylbenzene	ND	0.049	mg/Kg	1	4/26/2022 12:20:21 AM	67031
Xylenes, Total	ND	0.098	mg/Kg	1	4/26/2022 12:20:21 AM	67031
Surr: 4-Bromofluorobenzene	98.7	70-130	%Rec	1	4/26/2022 12:20:21 AM	67031

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

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Date Reported: 5/5/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-36

 Project:
 Gerard AW Battery
 Collection Date: 4/21/2022 2:00:00 PM

 Lab ID:
 2204A29-013
 Matrix: SOIL
 Received Date: 4/23/2022 8:25:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	: LRN
Chloride	2100	60	mg/Kg	20	4/25/2022 11:23:34 PM	67054
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	4/26/2022 1:43:04 PM	67035
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	4/26/2022 1:43:04 PM	67035
Surr: DNOP	89.1	51.1-141	%Rec	1	4/26/2022 1:43:04 PM	67035
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	4/26/2022 12:43:58 AM	67031
Surr: BFB	96.1	37.7-212	%Rec	1	4/26/2022 12:43:58 AM	67031
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.024	mg/Kg	1	4/26/2022 12:43:58 AM	67031
Toluene	ND	0.049	mg/Kg	1	4/26/2022 12:43:58 AM	67031
Ethylbenzene	ND	0.049	mg/Kg	1	4/26/2022 12:43:58 AM	67031
Xylenes, Total	ND	0.097	mg/Kg	1	4/26/2022 12:43:58 AM	67031
Surr: 4-Bromofluorobenzene	98.9	70-130	%Rec	1	4/26/2022 12:43:58 AM	67031

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

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Date Reported: 5/5/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-37

 Project:
 Gerard AW Battery
 Collection Date: 4/21/2022 2:10:00 PM

 Lab ID:
 2204A29-014
 Matrix: SOIL
 Received Date: 4/23/2022 8:25:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: ЈМТ
Chloride	6600	300	mg/Kg	100	0 4/26/2022 11:31:35 AM	67054
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	: ED
Diesel Range Organics (DRO)	310	9.7	mg/Kg	1	4/26/2022 1:54:01 PM	67035
Motor Oil Range Organics (MRO)	140	49	mg/Kg	1	4/26/2022 1:54:01 PM	67035
Surr: DNOP	91.1	51.1-141	%Rec	1	4/26/2022 1:54:01 PM	67035
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	25	mg/Kg	5	4/25/2022 11:23:37 AM	67031
Surr: BFB	101	37.7-212	%Rec	5	4/25/2022 11:23:37 AM	67031
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.12	mg/Kg	5	4/25/2022 11:23:37 AM	67031
Toluene	ND	0.25	mg/Kg	5	4/25/2022 11:23:37 AM	67031
Ethylbenzene	ND	0.25	mg/Kg	5	4/25/2022 11:23:37 AM	67031
Xylenes, Total	ND	0.50	mg/Kg	5	4/25/2022 11:23:37 AM	67031
Surr: 4-Bromofluorobenzene	102	70-130	%Rec	5	4/25/2022 11:23:37 AM	67031

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

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CLIENT: GHD Midland

Analytical Report

Lab Order **2204A29**Date Reported: **5/5/2022**

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: SW-38

 Project:
 Gerard AW Battery
 Collection Date: 4/21/2022 2:20:00 PM

 Lab ID:
 2204A29-015
 Matrix: SOIL
 Received Date: 4/23/2022 8:25:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	: ЈМТ
Chloride	5000	150	mg/Kg	50	4/26/2022 11:43:56 AM	67054
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analys	: SB
Diesel Range Organics (DRO)	510	49	mg/Kg	5	4/26/2022 4:31:09 PM	67035
Motor Oil Range Organics (MRO)	470	240	mg/Kg	5	4/26/2022 4:31:09 PM	67035
Surr: DNOP	119	51.1-141	%Rec	5	4/26/2022 4:31:09 PM	67035
EPA METHOD 8015D: GASOLINE RANGE					Analys	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	4/26/2022 1:07:32 AM	67031
Surr: BFB	96.8	37.7-212	%Rec	1	4/26/2022 1:07:32 AM	67031
EPA METHOD 8021B: VOLATILES					Analys	: NSB
Benzene	ND	0.025	mg/Kg	1	4/26/2022 1:07:32 AM	67031
Toluene	ND	0.049	mg/Kg	1	4/26/2022 1:07:32 AM	67031
Ethylbenzene	ND	0.049	mg/Kg	1	4/26/2022 1:07:32 AM	67031
Xylenes, Total	ND	0.099	mg/Kg	1	4/26/2022 1:07:32 AM	67031
Surr: 4-Bromofluorobenzene	98.9	70-130	%Rec	1	4/26/2022 1:07:32 AM	67031

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

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Date Reported: 5/5/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-39

 Project:
 Gerard AW Battery
 Collection Date: 4/21/2022 2:30:00 PM

 Lab ID:
 2204A29-016
 Matrix: SOIL
 Received Date: 4/23/2022 8:25:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JMT
Chloride	4100	150	mg/Kg	50	4/26/2022 11:56:17 AM	67054
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	4/26/2022 2:15:57 PM	67035
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	4/26/2022 2:15:57 PM	67035
Surr: DNOP	86.8	51.1-141	%Rec	1	4/26/2022 2:15:57 PM	67035
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	4/26/2022 1:31:04 AM	67031
Surr: BFB	96.4	37.7-212	%Rec	1	4/26/2022 1:31:04 AM	67031
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.024	mg/Kg	1	4/26/2022 1:31:04 AM	67031
Toluene	ND	0.048	mg/Kg	1	4/26/2022 1:31:04 AM	67031
Ethylbenzene	ND	0.048	mg/Kg	1	4/26/2022 1:31:04 AM	67031
Xylenes, Total	ND	0.097	mg/Kg	1	4/26/2022 1:31:04 AM	67031
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	1	4/26/2022 1:31:04 AM	67031

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

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CLIENT: GHD Midland

Analytical Report

Lab Order **2204A29**Date Reported: **5/5/2022**

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: SW-40

 Project:
 Gerard AW Battery
 Collection Date: 4/21/2022 2:40:00 PM

 Lab ID:
 2204A29-017
 Matrix: SOIL
 Received Date: 4/23/2022 8:25:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	: NAI
Chloride	4100	150	mg/Kg	50	5/3/2022 8:31:12 AM	67054
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analys	: ED
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	4/26/2022 2:26:53 PM	67035
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	4/26/2022 2:26:53 PM	67035
Surr: DNOP	90.1	51.1-141	%Rec	1	4/26/2022 2:26:53 PM	67035
EPA METHOD 8015D: GASOLINE RANGE					Analys	: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	4/26/2022 1:54:43 AM	67031
Surr: BFB	95.4	37.7-212	%Rec	1	4/26/2022 1:54:43 AM	67031
EPA METHOD 8021B: VOLATILES					Analys	: NSB
Benzene	ND	0.025	mg/Kg	1	4/26/2022 1:54:43 AM	67031
Toluene	ND	0.050	mg/Kg	1	4/26/2022 1:54:43 AM	67031
Ethylbenzene	ND	0.050	mg/Kg	1	4/26/2022 1:54:43 AM	67031
Xylenes, Total	ND	0.099	mg/Kg	1	4/26/2022 1:54:43 AM	67031
Surr: 4-Bromofluorobenzene	99.3	70-130	%Rec	1	4/26/2022 1:54:43 AM	67031

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

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#:

2204A29 05-May-22

Client: GHD Midland **Project:** Gerard AW Battery

Sample ID: MB-67054 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 67054 RunNo: 87477

Prep Date: 4/25/2022 Analysis Date: 4/25/2022 SeqNo: 3096816 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-67054 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 67054 RunNo: 87477

Prep Date: 4/25/2022 Analysis Date: 4/25/2022 SeqNo: 3096817 Units: mg/Kg

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

Chloride 15.00 93.3 90 110

Qualifiers:

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

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

2204A29

WO#:

05-May-22

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: LCS-67035	SampT	ype: LC	s	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: LCSS	Batch	ID: 670	35	F	RunNo: 87	7511				
Prep Date: 4/25/2022	Analysis D	ate: 4/2	26/2022	9	SeqNo: 30	96732	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	99.1	68.9	135			
Surr: DNOP	3.8		5.000		75.5	51.1	141			

Sample ID: MB-67035	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: PBS	Batch	n ID: 67 0)35	F	RunNo: 87	7511				
Prep Date: 4/25/2022	Analysis D)ate: 4/ 2	26/2022	5	SeqNo: 30	096733	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.3		10.00		82.8	51.1	141			

Qualifiers:

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

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2204A29** *05-May-22*

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: mb-67031	SampT	уре: МЕ	BLK	Tes	tCode: EF	PA Method	8015D: Gaso	line Range		
Client ID: PBS	Batch	n ID: 670	031	F	RunNo: 87	7480				
Prep Date: 4/23/2022	Analysis D	Date: 4/2	25/2022	(SeqNo: 30	095493	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		99.5	37.7	212			
Sample ID: Ics-67031	SampT	ype: LC	s	Tes	tCode: EF	PA Method	8015D: Gaso	line Range		
Sample ID: Ics-67031 Client ID: LCSS	•	ype: LC			tCode: EF RunNo: 87		8015D: Gaso	line Range		
	•	n ID: 670		F		7480	8015D: Gasol Units: mg/K	J		
Client ID: LCSS	Batch	n ID: 670	031	F	RunNo: 87	7480		J	RPDLimit	Qual
Client ID: LCSS Prep Date: 4/23/2022	Batch Analysis D	n ID: 670 Date: 4/ 2	031 25/2022	F	RunNo: 87 SeqNo: 30	7480 095494	Units: mg/K	g		Qual

Sample ID: 2204a29-001ams	SampT	ype: MS	3	Tes	tCode: EF	PA Method	8015D: Gasol	ine Range	!	
Client ID: BH-29A	Batch	n ID: 670	031	F	RunNo: 87	7480				
Prep Date: 4/23/2022	Analysis D	ate: 4/ 2	25/2022	8	SeqNo: 30	95496	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	25	24.61	0	107	70	130			
Surr: BFB	6300		4921		127	37.7	212			

Sample ID: 2204a29-001amsd	SampT	ype: MS	SD .	Tes	tCode: El	PA Method	8015D: Gasol	ine Range	•	
Client ID: BH-29A	Batch	ID: 67 0	031	F	RunNo: 8	7480				
Prep Date: 4/23/2022	Analysis D	ate: 4/ 2	25/2022	5	SeqNo: 30	095497	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	24	24.49	0	111	70	130	3.54	20	
Surr: BEB	6100		4897		124	37.7	212	0	0	

Qualifiers:

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

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OC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2204A29**

05-May-22

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: mb-67031 SampType: MBLK TestCode: EPA Method 8021B: Volatiles Client ID: PBS Batch ID: 67031 RunNo: 87480 Prep Date: 4/23/2022 Analysis Date: 4/25/2022 SeqNo: 3095536 Units: mg/Kg SPK value SPK Ref Val %RPD **RPDLimit** Analyte Result PQL %REC LowLimit HighLimit Qual Benzene ND 0.025 Toluene ND 0.050 Ethylbenzene ND 0.050 Xylenes, Total ND 0.10 Surr: 4-Bromofluorobenzene 1.1 1.000 106 70 130

Sample ID: LCS-67031 SampType: LCS TestCode: EPA Method 8021B: Volatiles Client ID: LCSS Batch ID: 67031 RunNo: 87480 Analysis Date: 4/25/2022 Prep Date: 4/23/2022 SeaNo: 3095537 Units: mg/Kg Analyte PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 0.025 1.000 120 Benzene 0.84 n 83.9 80 Toluene 0.90 0.050 1.000 0 89.9 80 120 0.92 0.050 0 92.1 80 120 Ethylbenzene 1.000 Xylenes, Total 2.8 0.10 3.000 0 92.7 80 120 Surr: 4-Bromofluorobenzene 1.0 1.000 103 70 130

SampType: MS TestCode: EPA Method 8021B: Volatiles Sample ID: 2204a29-002ams Client ID: BH-56 Batch ID: 67031 RunNo: 87480 Prep Date: 4/23/2022 Analysis Date: 4/25/2022 SeqNo: 3095540 Units: mg/Kg Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 0.88 0.025 0.9852 89.6 68.8 120 Benzene n 0.97 0.049 0.9852 0 98.4 73.6 124 Toluene 0.049 0.9852 101 72.7 129 Ethylbenzene 1.0 0.01317 Xylenes, Total 3.0 0.099 2.956 0.03493 102 75.7 126 104 130 Surr: 4-Bromofluorobenzene 1.0 0.9852 70

Sample ID: 2204a29-002amsd SampType: MSD TestCode: EPA Method 8021B: Volatiles Client ID: BH-56 Batch ID: 67031 RunNo: 87480 Prep Date: 4/23/2022 Analysis Date: 4/25/2022 SeqNo: 3095541 Units: mg/Kg %REC **RPDLimit** Analyte Result PQL SPK value SPK Ref Val LowLimit HighLimit %RPD Qual Benzene 0.84 0.024 0.9785 0 85.5 68.8 120 5.40 20 Toluene 0.91 0.049 0.9785 0 92.9 73.6 124 6.42 20 Ethylbenzene 0.94 0.049 0.9785 0.01317 94 6 72 7 129 7 42 20 2.8 0.098 2.935 0.03493 94.6 75.7 126 7.80 20 Xylenes, Total 0 Surr: 4-Bromofluorobenzene 0.9785 105 70 130 n 1.0

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

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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: GHD	Midland	Work Order Nur	mber: 220	04A29		RcptNo	p: 1
Received By: Juan	n Rojas	4/23/2022 8:25:00) AM		Glavery Glavery		
Completed By: Juan	Rojas	4/23/2022 8:50:04	1 AM		Man Sags		
Reviewed By: 604	123/2022						
Chain of Custody							
1. Is Chain of Custody	complete?		Yes	~	No 🗌	Not Present	
2. How was the sample	delivered?		Cou	rier			
Log In							
Was an attempt mad	e to cool the samp	les?	Yes	V	No 🗌	NA 🗌	
4. Were all samples rec	eived at a tempera	ture of >0° C to 6.0°C	Yes	V	No 🗌	NA 🗆	
5. Sample(s) in proper of	container(s)?		Yes	V	No 🗌		
6. Sufficient sample volu	me for indicated to	est(s)?	Yes	~	No 🗌		
7. Are samples (except \			Yes		No 🔲		
8. Was preservative add			Yes		No 🔽	NA 🗆	
9. Received at least 1 via	al with headspace	<1/4" for AQ VOA?	Yes		No 🗌	NA 🗸	
0. Were any sample con			Yes		No 🗸	7.3-	
						# of preserved bottles checked	
 Does paperwork matc (Note discrepancies or 			Yes	~	No 🗌	for pH:	.17
2. Are matrices correctly			Yes	~	No 🗌	Adjusted?	>12 unless noted)
3. Is it clear what analyse				~	No 🗌		1 6
4. Were all holding times			Yes	~	No 🗌	Checked by: J	14/23/2
(If no, notify customer	for authorization.)				6		
pecial Handling (if	applicable)						
15. Was client notified of	all discrepancies v	vith this order?	Yes		No 🗌	NA 🗸	
Person Notified:		Date					
By Whom:		Via:	eMa	ail 🔲	Phone Fax	In Person	
Regarding:							
Client Instruction	ns:						
6. Additional remarks:							
7. Cooler Information							
Cooler No Temp		Seal Intact Seal No	Seal Da	ite	Signed By		
1 0.9	Good						
2 1.3	Good						

J	hain	-of-Cı	Chain-of-Custody Record	Turn-Around Time:	Time:				•			C		
Client:	GH	A		□ Standard	Rush Z	1 24hc		U		ANALL		Y Z	BOR MI	HALL ENVIKONMENTAL ANALYSTS LABORATORY
				Project Name:					WW	www.hallenvironmental.com	viron	nental	mos	
Mailing	Address	Mailing Address: 2135	5. Log 250 W.	Cherard	AE	Battery	49	4901 Hawkins NE	wkins	1	nbnql	erque.	Albuquerque, NM 87109	o
N	M.110.	+	20101 4	Project #:			F	Tol FOR	E0E 34E 307E		20	EOE 2	EDE 24E 4407	
Phone 3	Phone #: 432-	1	686-0086	2211	9662	0		gi. 500	-040-	Ani		Request	st st	
email o	email or Fax#: Tom.	Tom.	Larson @ GHD. Com	Project Mana	ager:				-		70	(4-	(11)	
QA/QC	QA/QC Package:	1		Becky.	Haske	Becky. Hasicen @ SHO.com		s'B;	SW	3 (O '7'		₩ IBS0	
□ Standard	dard		☐ Level 4 (Full Validation)					ьс	IISC	٥٥	2.1	VIII		
Accreditation:	tation:	1.50	☐ Az Compliance	Sampler: He	Yearn. Box	Boyd @ GHD. Com	- 1			Oi	17.01			
□ NEL	□ NELAC				A Yes	oN 🗆				_			100	
O EDD	(Type)			# of Coolers:	7			_		_			'	
				Cooler Temp(including CF):	(including CF);	(0.) 6 00 mg				_			ייי)	
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL NO.	STEX /	9081 P	M) 803	S ARDS	SI, F, E	S) 0728	Total Co	
	1200	8	BH-29A	402. Ter/1	N/A	,				-	-		ر ا	
1	0121	j	BH-56		-	700-	X						×	
	9221		BH-57			500-	メメ						×	
	1230		BH-58	/		100-	X X						メ	
	1240		BH-59			-500-	X						×	
	1250		BH-60			200-	义						×	
	1500		50-12A			-00J	X X						٨	
	1310		512-13 A			-008	X X						×	
	1320		28-mS		7.	-00J	XX						メ	
	1330		SW-33			010-	e L						X	
	1340		54-34			110	メメ						×	
9	1350		5K-M5	X	×	200	e V						×	
Date:	Time:	Relinquished by:	ed by:	Received by:	Via:	Pate Time	Remarks: Please Enail: Ton, Becky, H. Anger Can, A. A. A. A. A. C. A. A. Con	s: Plea	36 E	Email: Tom,	Tom,	Becky, was. co	y, Heath Com	ጟ
Date;	Time:	Relinquished by:	ed by:	Received by:	Via:	Date Time	Chase	Sat	le @	Suttle @ engresources, com	Source	es. Co	7	
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May 16, 2022

BECKY HASKELL
GHD SERVICES, INC.
6121 INDIAN SCHOOL RD, NE STE. 200
ALBUQUERQUE, NM 87110

RE: GERARD AW BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 05/10/22 16:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Total Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B Total Coliform and E. coli (Colilert MMO-MUG)

Method EPA 524.2 Regulated VOCs and Total Trihalomethanes (TTHM)

Method EPA 552.2 Total Haloacetic Acids (HAA-5)

Celey D. Keene

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

GHD SERVICES, INC.

6121 INDIAN SCHOOL RD, NE STE. 200

ALBUQUERQUE NM, 87110

Project: GERARD AW BATTERY

Project Number: 11228976 Project Manager: BECKY HASKELL

Fax To:

Reported: 16-May-22 12:13

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW - 6A	H221985-01	Soil	10-May-22 10:45	10-May-22 16:15
BH - 62	H221985-02	Soil	10-May-22 10:50	10-May-22 16:15
SW - 4 B	H221985-03	Soil	10-May-22 11:00	10-May-22 16:15
BH - 61	H221985-04	Soil	10-May-22 11:05	10-May-22 16:15
BH - 60A	H221985-05	Soil	10-May-22 11:20	10-May-22 16:15
SW - 41	H221985-06	Soil	10-May-22 11:25	10-May-22 16:15

05/16/22 - Client changed the sample ID for -03. This is the revised report and will replace the one sent on 05/11/22.

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Celey D. Keene



Analytical Results For:

GHD SERVICES, INC. 6121 INDIAN SCHOOL RD, NE STE. 200 ALBUQUERQUE NM, 87110

Project: GERARD AW BATTERY

Reported: 16-May-22 12:13 Project Number: 11228976

Project Manager: BECKY HASKELL

Fax To:

SW - 6A H221985-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	2051120	GM	11-May-22	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2051023	MS/	11-May-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2051023	MS/	11-May-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2051023	MS/	11-May-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2051023	MS/	11-May-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2051023	MS/	11-May-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		101 %	69.9	-140	2051023	MS/	11-May-22	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2051018	MS	11-May-22	8015B	
DRO >C10-C28*	19.0		10.0	mg/kg	1	2051018	MS	11-May-22	8015B	
EXT DRO >C28-C36	14.2		10.0	mg/kg	1	2051018	MS	11-May-22	8015B	
Surrogate: 1-Chlorooctane			101 %	66.9	-136	2051018	MS	11-May-22	8015B	
Surrogate: 1-Chlorooctadecane			102 %	59.5	-142	2051018	MS	11-May-22	8015B	

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Celey D. Keene



Analytical Results For:

GHD SERVICES, INC. 6121 INDIAN SCHOOL RD, NE STE. 200

Project: GERARD AW BATTERY Project Number: 11228976

Reported: 16-May-22 12:13

ALBUQUERQUE NM, 87110

Project Manager: BECKY HASKELL

Fax To:

BH - 62 H221985-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	tories					
Inorganic Compounds										
Chloride	1550		16.0	mg/kg	4	2051120	GM	11-May-22	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2051023	MS/	11-May-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2051023	MS/	11-May-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2051023	MS/	11-May-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2051023	MS/	11-May-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2051023	MS/	11-May-22	8021B	
Surrogate: 4-Bromofluorobenzene (Pa	ID)		101 %	69.9	-140	2051023	MS/	11-May-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2051018	MS	11-May-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2051018	MS	11-May-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2051018	MS	11-May-22	8015B	
Surrogate: 1-Chlorooctane			121 %	66.9	-136	2051018	MS	11-May-22	8015B	
Surrogate: 1-Chlorooctadecane			120 %	59.5	-142	2051018	MS	11-May-22	8015B	

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

GHD SERVICES, INC. 6121 INDIAN SCHOOL RD, NE STE. 200 ALBUQUERQUE NM, 87110 Project: GERARD AW BATTERY

V BATTERY Reported: 16-May-22 12:13

Project Manager: BECKY HASKELL

Fax To:

Project Number: 11228976

SW - 4 B H221985-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	160		16.0	mg/kg	4	2051120	GM	11-May-22	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2051023	MS/	11-May-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2051023	MS/	11-May-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2051023	MS/	11-May-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2051023	MS/	11-May-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2051023	MS/	11-May-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		100 %	69.9	-140	2051023	MS/	11-May-22	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2051018	MS	11-May-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2051018	MS	11-May-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2051018	MS	11-May-22	8015B	
Surrogate: 1-Chlorooctane			110 %	66.9	-136	2051018	MS	11-May-22	8015B	
Surrogate: 1-Chlorooctadecane			110 %	59.5	-142	2051018	MS	11-May-22	8015B	

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

Reported:

16-May-22 12:13



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

GHD SERVICES, INC. 6121 INDIAN SCHOOL RD, NE STE. 200 ALBUQUERQUE NM, 87110 Project: GERARD AW BATTERY

Project Number: 11228976

Project Manager: BECKY HASKELL

Fax To:

H221985-04 (Soil)

BH - 61

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	464		16.0	mg/kg	4	2051120	GM	11-May-22	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2051023	MS/	11-May-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2051023	MS/	11-May-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2051023	MS/	11-May-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2051023	MS/	11-May-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2051023	MS/	11-May-22	8021B	
Surrogate: 4-Bromofluorobenzene (PIL))		99.9 %	69.9	-140	2051023	MS/	11-May-22	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2051018	MS	11-May-22	8015B	
DRO >C10-C28*	112		10.0	mg/kg	1	2051018	MS	11-May-22	8015B	
EXT DRO >C28-C36	94.9		10.0	mg/kg	1	2051018	MS	11-May-22	8015B	
Surrogate: 1-Chlorooctane			112 %	66.9	-136	2051018	MS	11-May-22	8015B	
Surrogate: 1-Chlorooctadecane			120 %	59.5	-142	2051018	MS	11-May-22	8015B	

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Celey D. Keine



Analytical Results For:

GHD SERVICES, INC. 6121 INDIAN SCHOOL RD, NE STE. 200

Project: GERARD AW BATTERY Project Number: 11228976

Reported: 16-May-22 12:13

ALBUQUERQUE NM, 87110

Project Manager: BECKY HASKELL

Fax To:

BH - 60A H221985-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	8000		16.0	mg/kg	4	2051120	GM	11-May-22	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2051023	MS/	11-May-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2051023	MS/	11-May-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2051023	MS/	11-May-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2051023	MS/	11-May-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2051023	MS/	11-May-22	8021B	
Surrogate: 4-Bromofluorobenzene (PII	D)		99.6 %	69.9	-140	2051023	MS/	11-May-22	8021B	
Petroleum Hydrocarbons by	GC FID									S-04
GRO C6-C10*	<10.0		10.0	mg/kg	1	2051018	MS	11-May-22	8015B	
DRO >C10-C28*	1880		10.0	mg/kg	1	2051018	MS	11-May-22	8015B	
EXT DRO >C28-C36	432		10.0	mg/kg	1	2051018	MS	11-May-22	8015B	
Surrogate: 1-Chlorooctane			134 %	66.9	-136	2051018	MS	11-May-22	8015B	
Surrogate: 1-Chlorooctadecane			268 %	59.5	-142	2051018	MS	11-May-22	8015B	

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Celey D. Keene



Analytical Results For:

GHD SERVICES, INC. 6121 INDIAN SCHOOL RD, NE STE. 200

Project: GERARD AW BATTERY Project Number: 11228976

Reported: 16-May-22 12:13

ALBUQUERQUE NM, 87110

Project Manager: BECKY HASKELL

Fax To:

SW - 41 H221985-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	8080		16.0	mg/kg	4	2051120	GM	11-May-22	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2051023	MS/	11-May-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2051023	MS/	11-May-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2051023	MS/	11-May-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2051023	MS/	11-May-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2051023	MS/	11-May-22	8021B	
Surrogate: 4-Bromofluorobenzene (PIL))		100 %	69.9	-140	2051023	MS/	11-May-22	8021B	
Petroleum Hydrocarbons by C	GC FID									S-04
GRO C6-C10*	<10.0		10.0	mg/kg	1	2051018	MS	11-May-22	8015B	
DRO >C10-C28*	420		10.0	mg/kg	1	2051018	MS	11-May-22	8015B	
EXT DRO >C28-C36	100		10.0	mg/kg	1	2051018	MS	11-May-22	8015B	
Surrogate: 1-Chlorooctane			147 %	66.9	-136	2051018	MS	11-May-22	8015B	
Surrogate: 1-Chlorooctadecane			154 %	59.5	-142	2051018	MS	11-May-22	8015B	

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Celey D. Keene



Analytical Results For:

GHD SERVICES, INC. 6121 INDIAN SCHOOL RD, NE STE. 200 ALBUQUERQUE NM, 87110 Project: GERARD AW BATTERY

Project Number: 11228976
Project Manager: BECKY HASKELL

Fax To:

Reported: 16-May-22 12:13

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2051120 - 1:4 DI Water										
Blank (2051120-BLK1)				Prepared &	Analyzed:	11-May-22				
Chloride	ND	16.0	mg/kg							
LCS (2051120-BS1)				Prepared &	Analyzed:	11-May-22				
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (2051120-BSD1)				Prepared &	Analyzed:	11-May-22				
Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	

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%REC

Analytical Results For:

GHD SERVICES, INC. 6121 INDIAN SCHOOL RD, NE STE. 200 Project: GERARD AW BATTERY

Spike

Source

Reported: 16-May-22 12:13

RPD

ALBUQUERQUE NM, 87110

Project Number: 11228976 Project Manager: BECKY HASKELL

Fax To:

Reporting

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 2051023 - Volatiles										
Blank (2051023-BLK1)				Prepared: 1	0-May-22	Analyzed:	11-May-22			
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0500		mg/kg	0.0500		100	69.9-140			
LCS (2051023-BS1)				Prepared: 1	0-May-22	Analyzed:	11-May-22			
Benzene	2.06	0.050	mg/kg	2.00		103	83.4-122			
Toluene	2.04	0.050	mg/kg	2.00		102	84.2-126			
Ethylbenzene	1.92	0.050	mg/kg	2.00		96.2	84.2-121			
m,p-Xylene	4.06	0.100	mg/kg	4.00		101	89.9-126			
o-Xylene	1.95	0.050	mg/kg	2.00		97.7	84.3-123			
Total Xylenes	6.01	0.150	mg/kg	6.00		100	89.1-124			
Surrogate: 4-Bromofluorobenzene (PID)	0.0487		mg/kg	0.0500		97.5	69.9-140			
LCS Dup (2051023-BSD1)				Prepared: 1	0-May-22	Analyzed:	11-May-22			
Benzene	1.94	0.050	mg/kg	2.00		96.8	83.4-122	6.05	12.6	
Toluene	1.90	0.050	mg/kg	2.00		95.1	84.2-126	6.92	13.3	
Ethylbenzene	1.80	0.050	mg/kg	2.00		90.1	84.2-121	6.50	13.9	
m,p-Xylene	3.83	0.100	mg/kg	4.00		95.7	89.9-126	5.81	13.6	
o-Xylene	1.84	0.050	mg/kg	2.00		92.2	84.3-123	5.78	14.1	
Total Xylenes	5.67	0.150	mg/kg	6.00		94.5	89.1-124	5.80	13.4	
Surrogate: 4-Bromofluorobenzene (PID)	0.0485		mg/kg	0.0500		96.9	69.9-140			

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Celey D. Keene



%REC

Limits

RPD

Analytical Results For:

GHD SERVICES, INC. 6121 INDIAN SCHOOL RD, NE STE. 200 ALBUQUERQUE NM, 87110

Analyte

Surrogate: 1-Chlorooctadecane

Project: GERARD AW BATTERY

Spike

Level

50.0

Source

Result

%REC

112

59.5-142

Reported: 16-May-22 12:13

RPD

Limit

Notes

Project Number: 11228976

Project Manager: BECKY HASKELL

Fax To:

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Units

Reporting

Limit

Result

56.2

Batch 2051018 - General Prep - Organics									
Blank (2051018-BLK1)				Prepared & Ar	nalyzed: 10-May-2	2			
GRO C6-C10	ND	10.0	mg/kg						
DRO >C10-C28	ND	10.0	mg/kg						
EXT DRO >C28-C36	ND	10.0	mg/kg						
Surrogate: 1-Chlorooctane	50.1		mg/kg	50.0	100	66.9-136			
Surrogate: 1-Chlorooctadecane	51.0		mg/kg	50.0	102	59.5-142			
LCS (2051018-BS1)				Prepared & Ar	nalyzed: 10-May-2	2			
GRO C6-C10	210	10.0	mg/kg	200	105	78.5-128			
DRO >C10-C28	200	10.0	mg/kg	200	100	75.8-135			
Total TPH C6-C28	410	10.0	mg/kg	400	103	81.5-127			
Surrogate: 1-Chlorooctane	61.6		mg/kg	50.0	123	66.9-136			
Surrogate: 1-Chlorooctadecane	62.3		mg/kg	50.0	125	59.5-142			
LCS Dup (2051018-BSD1)				Prepared & Ar	nalyzed: 10-May-2	2			
GRO C6-C10	205	10.0	mg/kg	200	102	78.5-128	2.69	21.4	
DRO >C10-C28	192	10.0	mg/kg	200	95.8	75.8-135	4.29	17.9	
Total TPH C6-C28	396	10.0	mg/kg	400	99.1	81.5-127	3.47	17.6	
Surrogate: 1-Chlorooctane	57.3		mg/kg	50.0	115	66.9-136			

mg/kg

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence are any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether succession are claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Notes and Definitions

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINA Laboratorie 101 East Marland, Hobbs, NM 88:

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

		BILL TO	3	-		
Secky.	Hasken @ GHD. com	P.O. #:		+	-	ANALYSIS REQUEST
5. 600	250 W.	63				
City: Midland	State: TX Zip: 79703	A#n:	2	_		
Phone #: 432-686-0086	Fax #:	Address: Compensation of the and the	the ar even	_		
Project #: //22 8976	Project Owner: EOG	City:		_		
Project Name: Cocard Aw	Buttery					
Project Location: Artes: w		orane: 71b:		_		
. 1	0	Phone #:		_		
FOR LAB USE ONLY	@ 5 HO. CO:	Fax #:		_	_	
	MATRIX	SERV.	SAMPLING	7	1	
	RS TER			016	le	
Lab I.D. Sample I.D.	AB OR (C) INTAINER: UNDWATI TEWATER	BASE:		TEX	H: 80 loridi	
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SE NOTE: Liability and Damages Cardinat's income					,	
instructions, and cauris including those for regigience and any othe tervice. In no event shall Cardinal be liable for incidental or cons- refillates or successors arising out of or related to the performance. Relinquished By:	E < 6 3	ort, shall be limited to the amount paid belved by Cardinal within 30 days after of use, or loss of profits incurred by cli- seed upon any of the above stated rear	by the client for the completion of the application of the applicant, its subsidiaries, isons or otherwise	cable		
B	2/0/52 Neceived BA:	100	Verbal Result:	□ Yes	S ONO	Add'l Phone #:
Relinquished By:	Date: Received By:	Washie	All Results are	are emailed.	D. Please provide	All Results are emailed. Please provide Email address: "Becky, Henker, Chase TOM. Largo. & GHD. COM, Zach. Comino & GHD. COM, Pack. Comino & GHD. COM PREMARKS: Also Chase Sittle
Delivered By: (Circle One) Sampler - UPS - Bus - Other: Co	Observed Temp. °C 23,4 Sample Condition Cool Intact Corrected Temp. °C 23,9 Sample Condition Cool Intact Corrected Temp. °C 23,9 Sample Condition Cool Intact Cool Intact Cool Interest	CHECKED BY: Initials)	Turnaround Time: Thermometer ID #113 Correction Factor -0.5°C		Standard [Rush	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C □Yes □Yes
	i Carumai cannot accept verbal changes. Please email changes to celev.keene@cardinallahsnm.com	s. Please email chang	es to celey.ke	eene@c	ordinallahen	Consecute lemp.



May 17, 2022

BECKY HASKELL
GHD SERVICES, INC.
6121 INDIAN SCHOOL RD, NE STE. 200
ALBUQUERQUE, NM 87110

RE: GERARD AW BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 05/16/22 15:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keine

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

GHD SERVICES, INC.
BECKY HASKELL
6121 INDIAN SCHOOL RD, NE STE. 200
ALBUQUERQUE NM, 87110
Fax To:

Received: 05/16/2022 Reported: 05/17/2022

Project Name: GERARD AW BATTERY

Project Number: 11228976

Project Location: EOG - ARTESIA, NM

Sampling Date: 05/16/2022

Sampling Type: Soil

Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: BH - 60 B (H222074-01)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2022	ND	1.95	97.3	2.00	6.35	
Toluene*	<0.050	0.050	05/17/2022	ND	1.94	97.2	2.00	6.03	
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	1.83	91.7	2.00	6.75	
Total Xylenes*	<0.150	0.150	05/17/2022	ND	5.70	95.0	6.00	6.84	
Total BTEX	<0.300	0.300	05/17/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8000	16.0	05/17/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2022	ND	192	96.0	200	0.297	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	198	99.2	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					
Surrogate: 1-Chlorooctane	82.1	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	93.0	% 59.5-14	2						

Cardinal Laboratories *=Accredited Analyte

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Celeg D. Keene



Analytical Results For:

GHD SERVICES, INC.
BECKY HASKELL
6121 INDIAN SCHOOL RD, NE STE. 200
ALBUQUERQUE NM, 87110
Fax To:

 Received:
 05/16/2022
 Sampling Date:
 05/16/2022

 Reported:
 05/17/2022
 Sampling Type:
 Soil

Project Name: GERARD AW BATTERY Sampling Condition: ** (See Notes)
Project Number: 11228976 Sample Received By: Tamara Oldaker

Project Location: EOG - ARTESIA, NM

Sample ID: SW - 42 (H222074-02)

BTEX 8021B	mg	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2022	ND	1.95	97.3	2.00	6.35	
Toluene*	<0.050	0.050	05/17/2022	ND	1.94	97.2	2.00	6.03	
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	1.83	91.7	2.00	6.75	
Total Xylenes*	<0.150	0.150	05/17/2022	ND	5.70	95.0	6.00	6.84	
Total BTEX	<0.300	0.300	05/17/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1040	16.0	05/17/2022	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2022	ND	192	96.0	200	0.297	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	198	99.2	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					
Surrogate: 1-Chlorooctane	83.3	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	99.2	% 59.5-14	2						

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Celey D. Keine



Analytical Results For:

GHD SERVICES, INC.
BECKY HASKELL
6121 INDIAN SCHOOL RD, NE STE. 200
ALBUQUERQUE NM, 87110
Fax To:

Received: 05/16/2022 Sampling Date: 05/16/2022 Reported: 05/17/2022 Sampling Type: Soil

Project Name: GERARD AW BATTERY Sampling Condition: ** (See Notes)
Project Number: 11228976 Sample Received By: Tamara Oldaker

Project Location: EOG - ARTESIA, NM

Sample ID: SW - 43 (H222074-03)

BTEX 8021B	mg	/kg	Analyze	ed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2022	ND	1.95	97.3	2.00	6.35	
Toluene*	<0.050	0.050	05/17/2022	ND	1.94	97.2	2.00	6.03	
Ethylbenzene*	< 0.050	0.050	05/17/2022	ND	1.83	91.7	2.00	6.75	
Total Xylenes*	<0.150	0.150	05/17/2022	ND	5.70	95.0	6.00	6.84	
Total BTEX	<0.300	0.300	05/17/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1360	16.0	05/17/2022	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2022	ND	192	96.0	200	0.297	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	198	99.2	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					
Surrogate: 1-Chlorooctane	77.8	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	91.8	% 59.5-14	2						

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Celeg & Freene



Analytical Results For:

GHD SERVICES, INC.
BECKY HASKELL
6121 INDIAN SCHOOL RD, NE STE. 200
ALBUQUERQUE NM, 87110
Fax To:

Received: 05/16/2022 Sampling Date: 05/16/2022 Reported: 05/17/2022 Sampling Type: Soil

Project Name: GERARD AW BATTERY Sampling Condition: ** (See Notes)
Project Number: 11228976 Sample Received By: Tamara Oldaker

Project Location: EOG - ARTESIA, NM

Sample ID: SW - 44 (H222074-04)

BTEX 8021B	mg	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2022	ND	1.95	97.3	2.00	6.35	
Toluene*	<0.050	0.050	05/17/2022	ND	1.94	97.2	2.00	6.03	
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	1.83	91.7	2.00	6.75	
Total Xylenes*	<0.150	0.150	05/17/2022	ND	5.70	95.0	6.00	6.84	
Total BTEX	<0.300	0.300	05/17/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3000	16.0	05/17/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2022	ND	192	96.0	200	0.297	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	198	99.2	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					
Surrogate: 1-Chlorooctane	80.5	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	93.4	% 59.5-14	2						

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Celey D. Keene



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

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Celeg D. Keine

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



(575) 393-2326 FAX (575) 393-2476

Company Name: (5 H o		BILL TO	AN	ANALYSIS REQUEST
Project Manager: Becky, Hasicoul & G. Ho.	lasiceri & G. Ho. com	P.O. #:		- 1
Address: 2135 S. Loc	600 250 W.	Company: EOG		
City: Midland	State: 7x Zip: 79703	Attn: Chase-Sufflee Ar	7	
Phone #: 432 - 686 - 0086	Fax #:		_ {	
Project #: 11228976	Project Owner: EDG	City:		
	Au Bettery	State: Zip:		
Project Location: Artesia	ym,	#	>	
Sampler Name: / Heade.	Boyd @ BHD, con	Fax #:	5 0	
FOR LAB USE ONLY		PRESERV. SAMPLING	015 e	
Lab I.D. Samı	(G)RAB OR (C)OME # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: DATE	BTEX	
1 BH-60 B	C - X		×	
256-42	٦ ا د ا			
356-43	0 1 K	0211		
4 SM-44	C .	x 1130		
alyses. All claims including those for negligence and any other or nice. In no event shall Cardinal be liable for incidental or consec- liables or successors arising out of or related to the performance lelinquished By:	adyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in winding and reserved by Cardinal within 30 days after completen of the applicable finds. In no event shall cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, ligitates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stalled reasons or otherwise. So the limitation of the cardinal regardless of whether such claim is based upon any of the above stalled reasons or otherwise. Received By: Time: 520	not each grain be asset to the amount paid of the central for the find reached by Cardinal within 30 days after competion of the age, s, loss of use, or loss of profits incurred by client, its subsidiaries, m is based upon any of the above stated reasons or otherwise. Verbal Results are Cach.com	Interest of the applicable laries, when the applicable laries, when the applicable laries are emailed. Please provide Entrance Coming & HD. Coming &	Toynon centrior the complete of the applicable form to subsidiaries, some or charwise. Some or charwise. Verbal Result: □ Yes □ No Add'I Phone #: ',' Verbal Results are emailed. Please provide Email address: 300 Co ft D. C
elinquished By:	Date: Received By:	REMARKS:	(8:	sources com
Delivered By: (Circle One) ampler - UPS - Bus - Other:	Observed Temp. °C 25. 8 Sample Condition Corrected Temp. °C 25. 3 Yes 1 Yes Corrected Temp. °C 25. 3 Yes 1 Yes	CHECKED BY: (Initials)	Turnaround Time: Standard Intermometer ID #113 Correction Factor -0.5°C	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Yes



May 25, 2022

BECKY HASKELL
GHD SERVICES, INC.
6121 INDIAN SCHOOL RD, NE STE. 200
ALBUQUERQUE, NM 87110

RE: GERARD AW BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 05/20/22 14:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Total Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B Total Coliform and E. coli (Colilert MMO-MUG)

Method EPA 524.2 Regulated VOCs and Total Trihalomethanes (TTHM)

Method EPA 552.2 Total Haloacetic Acids (HAA-5)

Celey D. Keene

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

GHD SERVICES, INC. 6121 INDIAN SCHOOL RD, NE STE. 200

Project Number: 11228976

Reported: 25-May-22 09:06

ALBUQUERQUE NM, 87110

Project Manager: BECKY HASKELL

Project: GERARD AW BATTERY

Fax To:

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW - 32 A BH - 63	H222167-01 H222167-02	Soil Soil	20-May-22 10:50 20-May-22 11:00	20-May-22 14:30 20-May-22 14:30
BH - 64	H222167-03	Soil	20-May-22 11:10	20-May-22 14:30

05/25/22 - Client changed the project name and number 05/24/22. This is the revised report and will replace the one sent on 05/23/22.

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Analytical Results For:

GHD SERVICES, INC. 6121 INDIAN SCHOOL RD, NE STE. 200

Project: GERARD AW BATTERY Project Number: 11228976

Reported: 25-May-22 09:06

ALBUQUERQUE NM, 87110

Project Manager: BECKY HASKELL

Fax To:

SW - 32 A H222167-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	1620		16.0	mg/kg	4	2052112	GM	21-May-22	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2052030	MS/	21-May-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2052030	MS/	21-May-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2052030	MS/	21-May-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2052030	MS/	21-May-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2052030	MS/	21-May-22	8021B	
Surrogate: 4-Bromofluorobenzene (Pla	D)		102 %	69.9	-140	2052030	MS/	21-May-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2052034	MS	21-May-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2052034	MS	21-May-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2052034	MS	21-May-22	8015B	
Surrogate: 1-Chlorooctane			77.0 %	66.9	-136	2052034	MS	21-May-22	8015B	
Surrogate: 1-Chlorooctadecane			80.4 %	59.5	-142	2052034	MS	21-May-22	8015B	

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Analytical Results For:

GHD SERVICES, INC. 6121 INDIAN SCHOOL RD, NE STE. 200 ALBUQUERQUE NM, 87110

Project: GERARD AW BATTERY

Project Number: 11228976 Project Manager: BECKY HASKELL

Reported: 25-May-22 09:06

Fax To:

BH - 63 H222167-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	17600		16.0	mg/kg	4	2052112	GM	21-May-22	4500-Cl-B	
Volatile Organic Compounds b	y EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2052030	MS/	21-May-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2052030	MS/	21-May-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2052030	MS/	21-May-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2052030	MS/	21-May-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2052030	MS/	21-May-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			102 %	69.9	-140	2052030	MS/	21-May-22	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2052034	MS	21-May-22	8015B	
DRO >C10-C28*	90.4		10.0	mg/kg	1	2052034	MS	21-May-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2052034	MS	21-May-22	8015B	
Surrogate: 1-Chlorooctane			70.9 %	66.9	-136	2052034	MS	21-May-22	8015B	
Surrogate: 1-Chlorooctadecane			71.6 %	59.5	-142	2052034	MS	21-May-22	8015B	

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Analytical Results For:

GHD SERVICES, INC. 6121 INDIAN SCHOOL RD, NE STE. 200 ALBUQUERQUE NM, 87110 Project: GERARD AW BATTERY

Project Number: 11228976 Project Manager: BECKY HASKELL

Fax To:

Reported: 25-May-22 09:06

BH - 64 H222167-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Labora	tories					
Inorganic Compounds										
Chloride	6880		16.0	mg/kg	4	2052112	GM	21-May-22	4500-Cl-B	
Volatile Organic Compounds by	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2052030	MS/	21-May-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2052030	MS/	21-May-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2052030	MS/	21-May-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2052030	MS/	21-May-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2052030	MS/	21-May-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			102 %	69.9	0-140	2052030	MS/	21-May-22	8021B	
Petroleum Hydrocarbons by GO	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2052034	MS	23-May-22	8015B	
DRO >C10-C28*	121		10.0	mg/kg	1	2052034	MS	23-May-22	8015B	
EXT DRO >C28-C36	13.6		10.0	mg/kg	1	2052034	MS	23-May-22	8015B	
Surrogate: 1-Chlorooctane			71.9 %	66.9	0-136	2052034	MS	23-May-22	8015B	
Surrogate: 1-Chlorooctadecane			80.1 %	59.5	5-142	2052034	MS	23-May-22	8015B	

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Analytical Results For:

GHD SERVICES, INC. 6121 INDIAN SCHOOL RD, NE STE. 200 ALBUQUERQUE NM, 87110 Project: GERARD AW BATTERY

Project Number: 11228976
Project Manager: BECKY HASKELL

Fax To:

Reported: 25-May-22 09:06

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2052112 - 1:4 DI Water										
Blank (2052112-BLK1)				Prepared &	Analyzed:	21-May-22				
Chloride	ND	16.0	mg/kg							
LCS (2052112-BS1)				Prepared &	Analyzed:	21-May-22				
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (2052112-BSD1)				Prepared &	Analyzed:	21-May-22				
Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	

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%REC

Analytical Results For:

GHD SERVICES, INC. 6121 INDIAN SCHOOL RD, NE STE. 200 Project: GERARD AW BATTERY

Spike

Source

Reported: 25-May-22 09:06

RPD

ALBUQUERQUE NM, 87110

Project Number: 11228976 Project Manager: BECKY HASKELL

Fax To:

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Reporting

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 2052030 - Volatiles										
Blank (2052030-BLK1)				Prepared: 2	20-May-22	Analyzed: 2	21-May-22			
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0508		mg/kg	0.0500		102	69.9-140			
LCS (2052030-BS1)				Prepared: 2	20-May-22	Analyzed: 2	21-May-22			
Benzene	1.93	0.050	mg/kg	2.00		96.7	83.4-122			
Toluene	1.92	0.050	mg/kg	2.00		96.1	84.2-126			
Ethylbenzene	1.82	0.050	mg/kg	2.00		90.8	84.2-121			
m,p-Xylene	3.83	0.100	mg/kg	4.00		95.7	89.9-126			
o-Xylene	1.80	0.050	mg/kg	2.00		90.0	84.3-123			
Total Xylenes	5.63	0.150	mg/kg	6.00		93.8	89.1-124			
Surrogate: 4-Bromofluorobenzene (PID)	0.0492		mg/kg	0.0500		98.5	69.9-140			
LCS Dup (2052030-BSD1)				Prepared: 2	20-May-22	Analyzed: 2	21-May-22			
Benzene	2.15	0.050	mg/kg	2.00		107	83.4-122	10.4	12.6	
Toluene	2.12	0.050	mg/kg	2.00		106	84.2-126	9.74	13.3	
Ethylbenzene	2.02	0.050	mg/kg	2.00		101	84.2-121	10.8	13.9	
m,p-Xylene	4.25	0.100	mg/kg	4.00		106	89.9-126	10.4	13.6	
o-Xylene	2.04	0.050	mg/kg	2.00		102	84.3-123	12.5	14.1	
Total Xylenes	6.29	0.150	mg/kg	6.00		105	89.1-124	11.1	13.4	
Surrogate: 4-Bromofluorobenzene (PID)	0.0496		mg/kg	0.0500		99.2	69.9-140			

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Celey D. Keens

Celey D. Keene, Lab Director/Quality Manager



%REC

Analytical Results For:

GHD SERVICES, INC. 6121 INDIAN SCHOOL RD, NE STE. 200 ALBUQUERQUE NM, 87110 Project: GERARD AW BATTERY

Spike

Source

Reported: 25-May-22 09:06

RPD

Project Number: 11228976
Project Manager: BECKY HASKELL

Fax To:

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Reporting

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 2052034 - General Prep - Organics										
Blank (2052034-BLK1)				Prepared: 2	20-May-22	Analyzed:	21-May-22			
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	39.1		mg/kg	50.0		78.2	66.9-136			
Surrogate: 1-Chlorooctadecane	40.2		mg/kg	50.0		80.4	59.5-142			
LCS (2052034-BS1)				Prepared:	20-May-22	Analyzed:	21-May-22			
GRO C6-C10	206	10.0	mg/kg	200		103	78.5-128			
DRO >C10-C28	210	10.0	mg/kg	200		105	75.8-135			
Total TPH C6-C28	416	10.0	mg/kg	400		104	81.5-127			
Surrogate: 1-Chlorooctane	46.6		mg/kg	50.0		93.2	66.9-136			
Surrogate: 1-Chlorooctadecane	49.6		mg/kg	50.0		99.1	59.5-142			
LCS Dup (2052034-BSD1)				Prepared:	20-May-22	Analyzed:	21-May-22			
GRO C6-C10	224	10.0	mg/kg	200		112	78.5-128	8.62	21.4	
DRO >C10-C28	200	10.0	mg/kg	200		100	75.8-135	4.49	17.9	
Total TPH C6-C28	425	10.0	mg/kg	400		106	81.5-127	2.22	17.6	
Surrogate: 1-Chlorooctane	48.8		mg/kg	50.0		97.5	66.9-136			
Surrogate: 1-Chlorooctadecane	49.8		mg/kg	50.0		99.5	59.5-142			

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Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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Address: 2 1 3 5	5, 6	250 (0).		Co	Company: E	606					×				-	_
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service. In no event shall Card	service. In no event shall Cardinal be liable for incidental or consequental darmages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, service. In no event shall Cardinal be liable for incidental or consequental darmages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, services event and in a constant of the proformance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	nsequental damages, including	without limitation, bus irdinal, regardless of	siness interruptions, loss whether such claim is b	of use, or loss of prof ased upon any of the	fits incurred by clien above stated reaso	ent, its subsidiaries sons or otherwise.									1
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District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe, NM 87505**

CONDITIONS

Action 111537

CONDITIONS

Operator:	OGRID:
EOG RESOURCES INC	7377
P.O. Box 2267	Action Number:
Midland, TX 79702	111537
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	6/1/2022