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

·			OGRID 73	377			
Contact Name Chase Settle			Contact Te	elephone 575-748-	1471		
Contact email Chase_Settle@eogresources.com			Incident #	nAPP211533337	8		
Contact mailing address 104 S. 4th Street, Artesia, NM 88			3210				
					telease So	ource	
Latitude 32.71497 Longitude -104.43501 (NAD 83 in decimal degrees to 5 decimal places)							
Site Name G	erard AW	/ Battery			Site Type E	Battery	
Date Release	Discovered	05/25/2021			API# (if app		
Unit Letter	Section	Township	Range		Coun	ty	
0	25	18S	25E	Edd	V		
		l(s) Released (Select a	Nature an	ch calculat		justification for the volun	
Crude Oi			ed (bbls) Unkno	wn		Volume Recovered	· · · · · · · · · · · · · · · · · · ·
☐ Produced	luced Water Volume Released (bbls)			Volume Recovered	l (bbls)		
		Is the concentrate produced water	tion of dissolved >10,000 mg/l?	chloride	e in the	Yes No	
Condensa	ite	Volume Release	ed (bbls)			Volume Recovered	(bbls)
Natural C	Natural Gas Volume Released (Mcf)			Volume Recovered	(Mcf)		
Other (de	scribe)	Volume/Weight	Released (provi	de units))	Volume/Weight Re	ecovered (provide units)
Cause of Rel	^{ease} Histor unkno	ical impacts dis	scovered durir	ng the I	P&A of the	battery. Release	e volume and date are

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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	nsible party consider this a major release?
☐ Yes ☑ No		
If YES, was immediate n	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	y unless 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 c	ikes, absorbent pads, or other containment devices.
All free liquids and re	ecoverable materials have been removed and	l managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why:		
Per 19 15 29 8 B (4) NM	IAC the responsible party may commence r	emediation immediately after discovery of a release. If remediation
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.		
		pest 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
failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		
Printed Name: Chase	Settle	Title: Rep Safety & Environmental Sr
Signature: Chan	o Oettle	Date: 6/2/2021
email: Chase_Settle	@eogresources.com	Telephone: 575-748-1471
		Telephone:
OCD Only		
Received by:		Date:

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Incident ID	nAPP2115333378

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Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	>100 (ft bgs)		
Did this release impact groundwater or surface water?	☐ 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.		
Printed Name: Chase Settle	Title: Rep Safety & Environmental Sr	
Signature: Chase Settle	Date: 11/29/2021	
email: Chase_Settle@eogresources.com	Telephone: 575-748-1471	
OCD Only		
Received by:	Date:	

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Remediation Plan

Remediation Plan Checklist: Each of the following items must be	included in the plan.	
 ☑ Detailed description of proposed remediation technique ☑ Scaled sitemap with GPS coordinates showing delineation points ☑ Estimated volume of material to be remediated ☑ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC ☑ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required) 		
Deferral Requests Only: Each of the following items must be con-	firmed as part of any request for deferral of remediation.	
Contamination must be in areas immediately under or around pr deconstruction.	oduction 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	, the environment, or groundwater.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		
Printed Name: Chase Settle	Title: Rep Safety & Environmental Sr	
Signature: Chase Settle	Date: 11/29/2021	
email: Chase_Settle@eogresources.com	Telephone: <u>575-748-1471</u>	
OCD Only Jennifer Nobui Received by:	12/20/2021 Date:	
X Approved	Approval Denied Deferral Approved	
Signature: Jennifer Nobili	12/20/2021 Date:	

2135 S. Loop 250 W, Midland, Texas 79703 United States www.ghd.com GHD 402

Our ref: 11228976

May 20, 2022

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

Re: Site Remediation Update
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 Remediation Update 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.

The Release Notification, Site Assessment/Characterization and Remediation Plan 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 TP 12), within and around the suspected impact 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 16, 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-seven (67) sidewall composite, and seventy-two (72) bottom hole composite confirmation samples were collected. Areas where sidewall and bottom hole composite samples (SW-4, SW-4A, SW-6, SWX-2, SWX-3A, SWX-6, 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 resampled. One hundred thirty-five (135) confirmation samples were taken to HEAL in Albuquerque, New Mexico, six (6) 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 (4'), 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-39) (9'). Three additional bottom hole samples were also collected BH-57 (12'), BH-58 (12-16'), 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 (12') 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)

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feet below ground surface. These areas were further excavated on May 19, 2022, and new confirmation samples were collected on May 20, 2022.

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 Proposed Activities

SW-32 and SWX-10 exhibited TPH concentrations above Table I closure criteria for groundwater greater than one hundred (100) feet below ground surface. These areas were further excavated on May 19, 2022, and new confirmation samples were collected on May 20, 2022. Once the analytical results are received, GHD and EOG will evaluate to determine what activities will be required to move the site toward closure, if any are needed. If the results are below Table I closure criteria a closure report will be prepared and the excavation will be backfilled. If any of the samples are over Table I closure criteria the area will be further excavated and new confirmation samples will be collected. A Closure Report is expected to be completed and submitted for NMOCD approval within 30 days.

If you have any questions or comments concerning this Site Remediation Update, 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

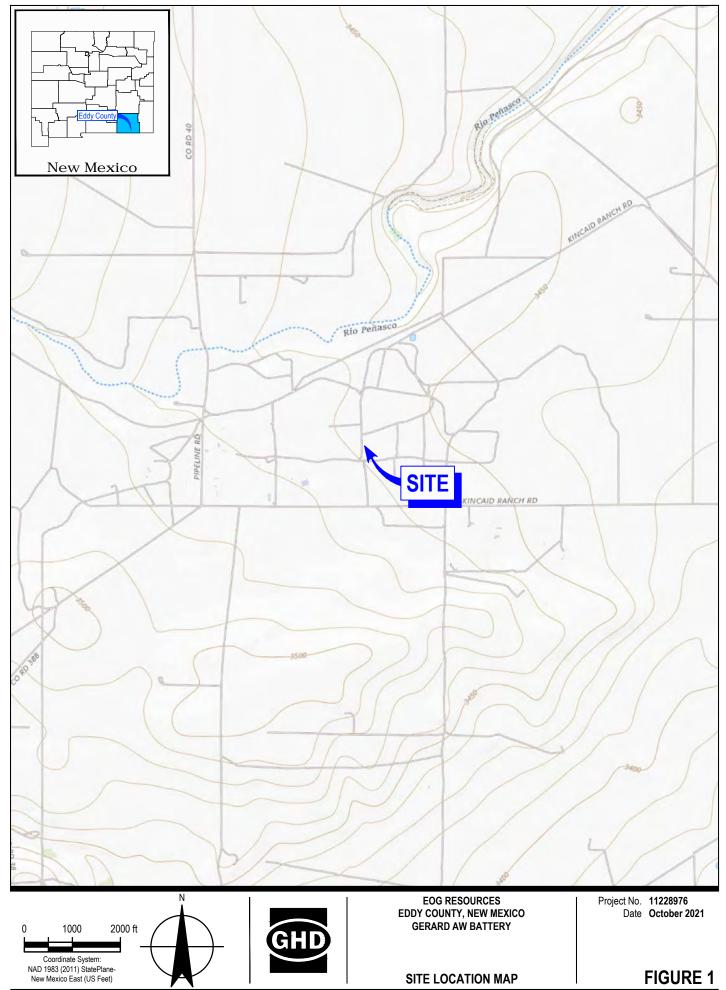
Attachment C - Confirmation Sampling Notifications

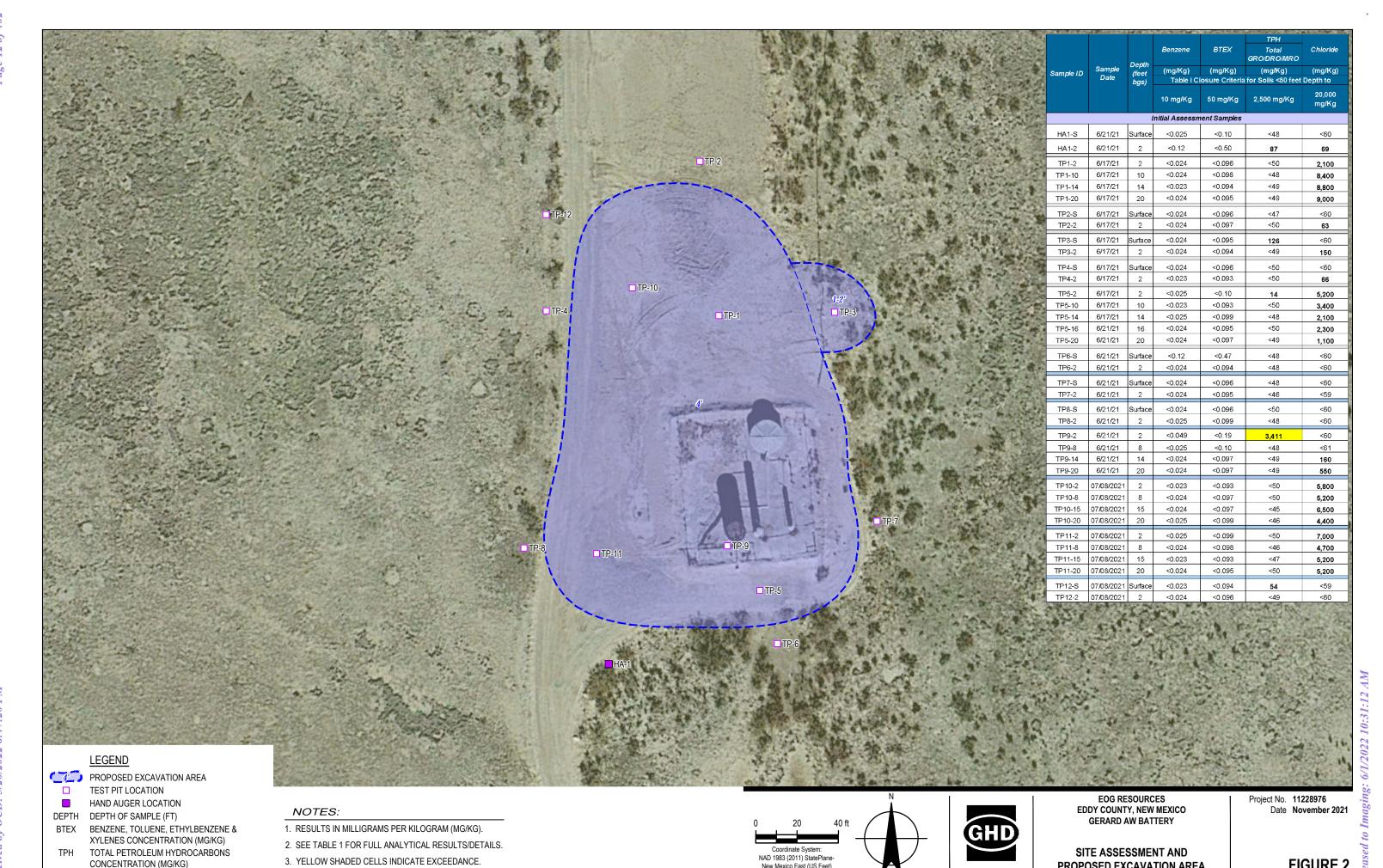
Attachment D – Laboratory Analytical Reports and Chain-of-Custody Documentation

cc: Chase Settle

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Figures

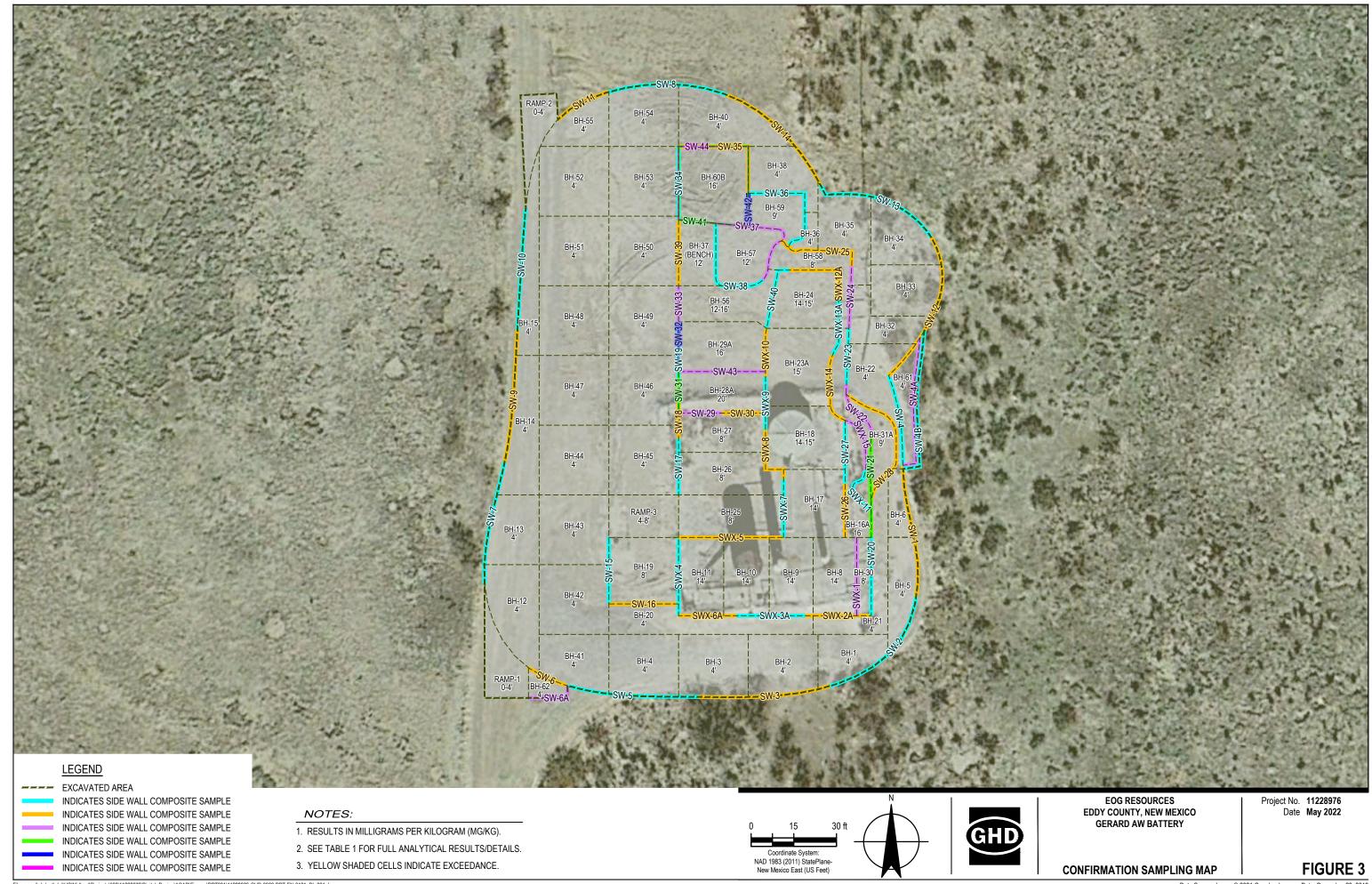




PROPOSED EXCAVATION AREA

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	oundwater 19.1	5.29 NMAC		
			10 mg/kg				50 mg/kg	1,000	mg/kg		2,500 mg/kg	20,000 mg/kg
	•				Initia	l 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

					Edd	EOG Resource y County, New						
										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	oundwater 19.15	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

< 0.48

< 0.48

< 0.49

< 0.096

< 0.096

< 0.099

< 0.48

<0.48

< 0.49

< 0.096

< 0.096

<0.099

<24

<24

<24

<4.8

<4.8

<5.0

810

68

360

<9.4

<9.4

<9.4

310

51

170

<47

<47

<47

1,120

119

530

<47

<47

<47

1,500

1,300

710

510

1,100 2,100

3/14/2022

3/14/2022

3/14/2022

3/17/2022

3/17/2022

3/17/2022

14

14

14

4

4

4

< 0.12

< 0.12

< 0.12

< 0.024

< 0.024

< 0.025

< 0.24

< 0.24

<0.24

< 0.048

<0.048

< 0.050

< 0.24

< 0.24

<0.24

<0.048

<0.048

< 0.050

BH-9

BH-10

BH-11

BH-12

BH-13

BH-14

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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-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	74	₹0:42	₹0.24	0.37	≥0.49	0.37	34	1,100	430	1,564	4,890
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	#	₹0.42	₹0.25	2.4	1.7	4.1	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	\$	₹0.12	₹0.25	0.42	₹0.49	0.42	***************************************	1,200	570	1,800	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	\$	₹0.42	₹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	\$	<0.024	<0.048	<0.048	0.43	0:43	**************************************	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	3724/2022	#	₹0:024	₹0:048	0.16	₹0:096	0.52	22/	1,100_	640	1,762	1,700
BH-60 (BH-39A)	4/21/2022	9	<0.025	≥0:049	≥0.049	≥0.099	<0.099	#	3,100	1,700	4,814	4,300

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	<u> </u>									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 19.1	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
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	3/24/2022	4-44	₹0.42	₹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
SW-2	3/2/2022	Sidewall	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	120	230	350	110

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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)
	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-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	<0.948	<0.048	<0.09 7	<0.097	₹4.8	110	210	320	150
SW-4A	3/25/2022	Sidewall	<0.02 5	≥0:050	<0:050_	₹0.10	₹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_	<0.03 9_	₹0.03 9	<0.078	<0.078	~3.9	~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
SW-30	4/20/2022	Sidewall	<0.019	<0.037	<0.037	<0.074	<0.074	<3.7	<9.7	<49	<49	3,700

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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)
,	Date	(ft bgs)			Table I C	losure Criteria	for Soil >100 fe	et Depth to Gro	oundwater 19.1	5.29 NMAC		
			10 mg/kg				50 mg/kg	1,000	mg/kg		2,500 mg/kg	20,000 mg/kg
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-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	<0.092	₹0.48	₹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	2,400	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	3/29/2022	Sidewall	<0.12	<0.23	0.91	0.47	1.38	63	3,000	1,300	4,363	3,800
SWX-11	3/29/2022	Sidewall	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.8	<49	<49	2,000
SWX-12	3/29/2022	Sidewall	₹0.42	₹0:25	₹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

Received by OCD: 5/20/2022 6:47:20 PM

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

																ГРН		
		Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	Chloride							
		(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							
4/21/2022	Sidewall	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.8	<49	<49	930							
3/29/2022	Sidewall	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	96	63	159	6,000							
3/29/2022	Sidewall	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	11	<47	11	7,600							
	3/29/2022	Date (ft bgs) 4/21/2022 Sidewall 3/29/2022 Sidewall	Depth (mg/kg) (mg/kg)	Color	Sample Date Depth (ft bgs) (mg/kg) (mg/kg) (mg/kg) 10 mg/kg 4/21/2022 Sidewall <0.025	Sample Date Depth (ft bgs) (mg/kg) (mg/kg) (mg/kg) (mg/kg) (mg/kg) (mg/kg) (mg/kg) (mg/kg) Table I Closure Criteria 4/21/2022 Sidewall <0.025	Sample Date Depth (ft bgs) (mg/kg) Table I Closure Criteria for Soil >100 fe 4/21/2022 Sidewall <0.025	Sample Depth (ft bgs) (mg/kg) (mg/	Sample Date Depth (ft bgs) Depth (Sample Date Depth (ft bgs) (mg/kg) (mg/kg)	Sample Depth (ft bgs) Benzene Toluene Ethylbenzene Xylenes BTEX GRO (C6-C10) DRO (C10-C28) GRO/DRO/MRO GRO/DRO/DRO/DRO/DRO/DRO/DRO/DRO/DRO/DRO/D							

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

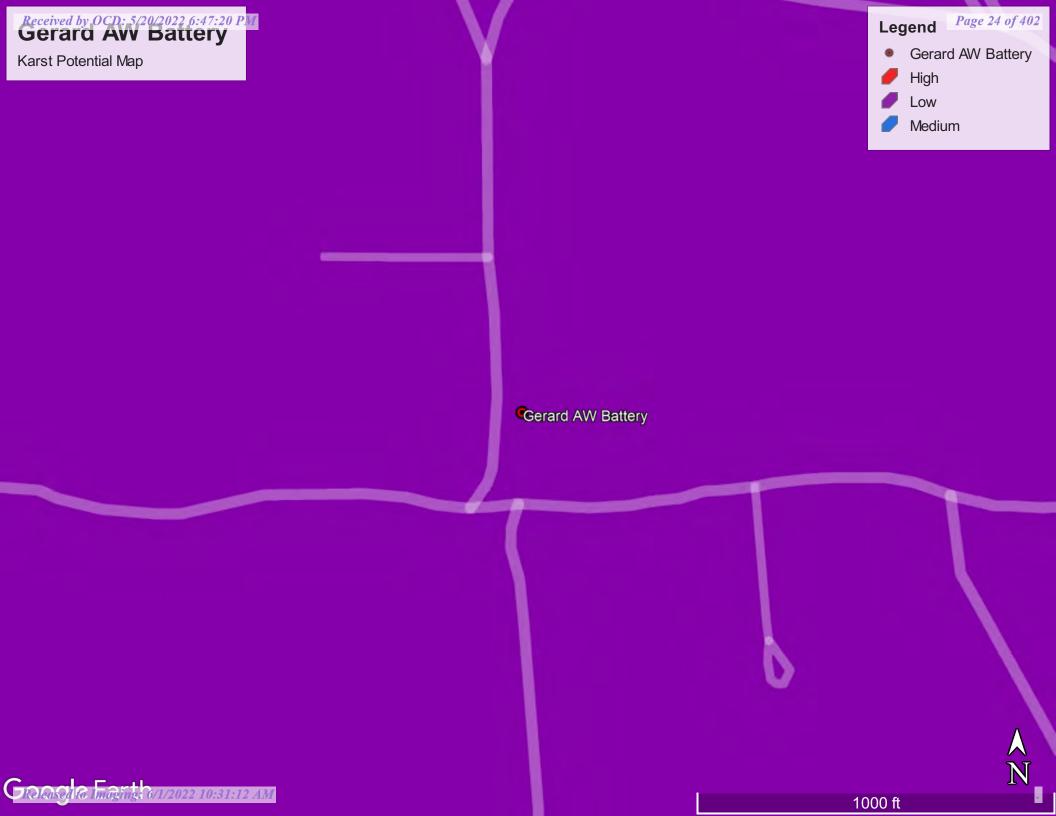
B-BH-2 Sample Point Excavated

- 5. TPH analyses by EPA Method SW 8015 Mod.
- 6. GRO/DRO/MRO = Gasoline/Diesel/Motor Oil
- 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

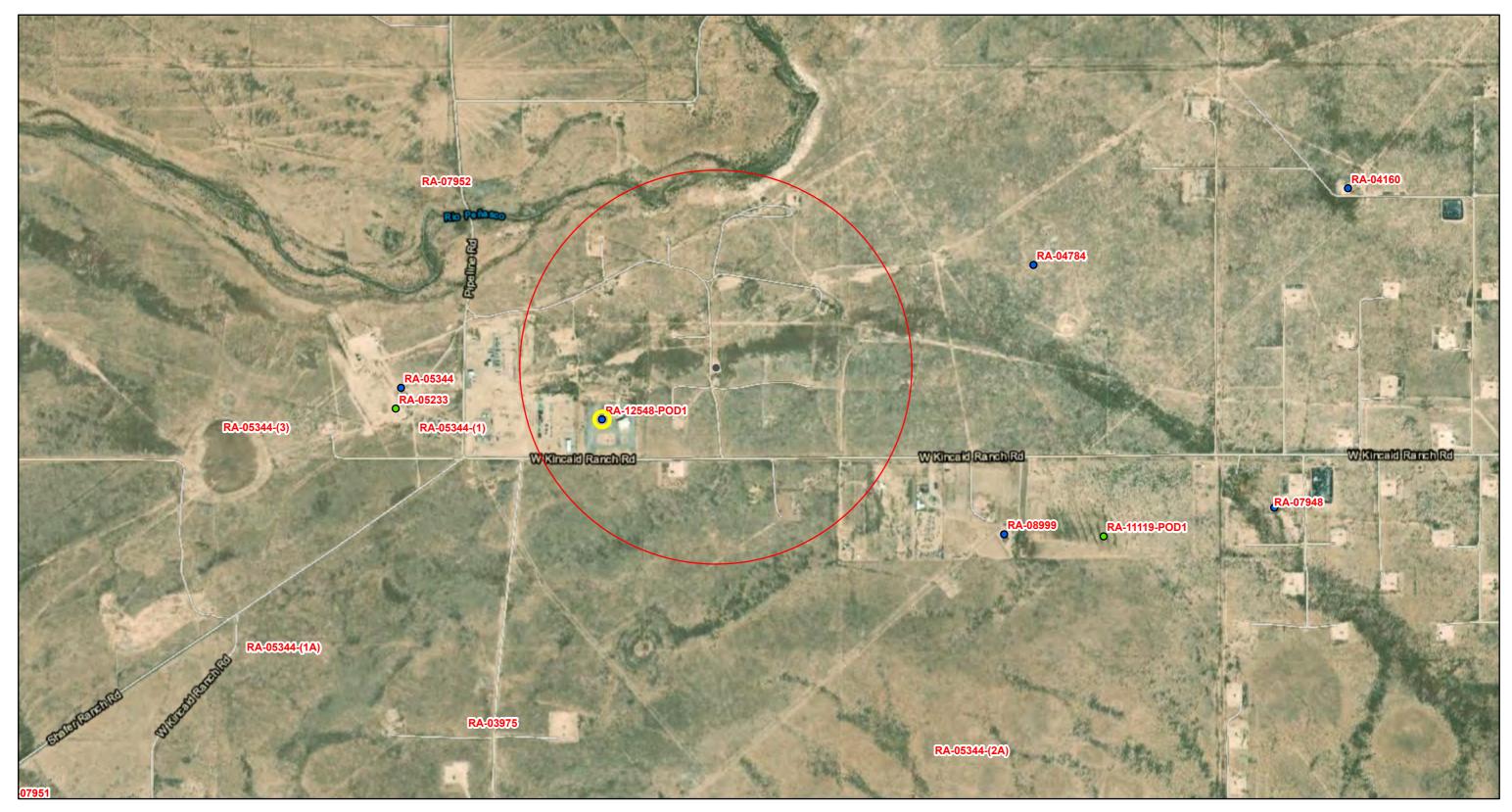
Table 2
Daily Disposal Summary
Gerard AW Battery
EOG Resources
Eddy, County, New Mexico

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

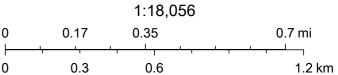


10/7/2021, 3:16:10 PM GIS WATERS PODs

- 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.

Plug Date:

Log File Date:

12/14/2017

Drill Finish Date:

11/13/2017

Source:

Shallow

PCW Rcv Date:

Pipe Discharge Size:

Estimated Yield: 2 GPM

Pump Type: Casing Size:

4.50

Depth Well:

255 feet

Depth Water:

194 feet

Water Bearing Stratifications:

Top Bottom Description

194 206

Shale/Mudstone/Siltstone Shale/Mudstone/Siltstone

Casing Perforations:

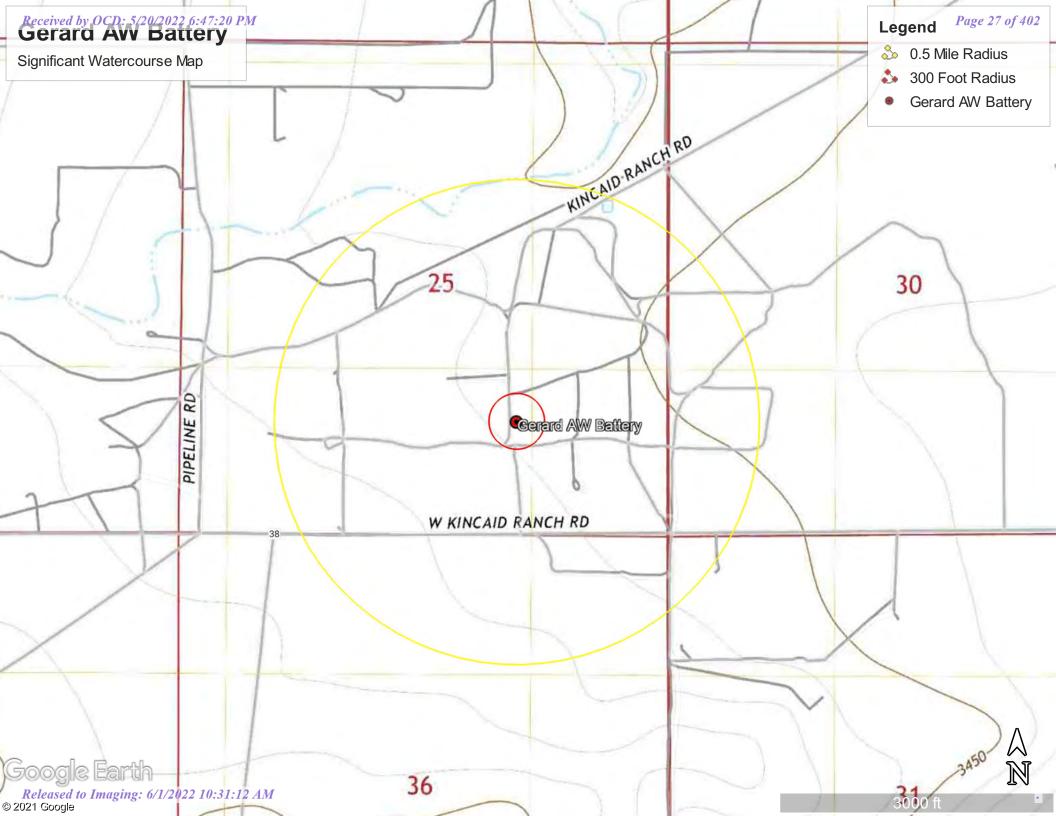
Top Bottom

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

t Wetland Lake

Freshwater Forested/Shrub Wetland

Freshwater Pond

Other

Riverine

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

ORelease To Imaging: 6/1/2022 10991:12 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

> 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

0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average

Area with Flood Risk due to Levee Zone D FLOOD HAZARD NO SCREEN Area of Minimal Flood Hazard Zone X

OTHER AREAS Area of Undetermined Flood Hazard Zone D

Effective LOMRs

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

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

20.2 Cross Sections with 1% Annual Chance

Digital Data Available

No Digital Data Available

Unmapped

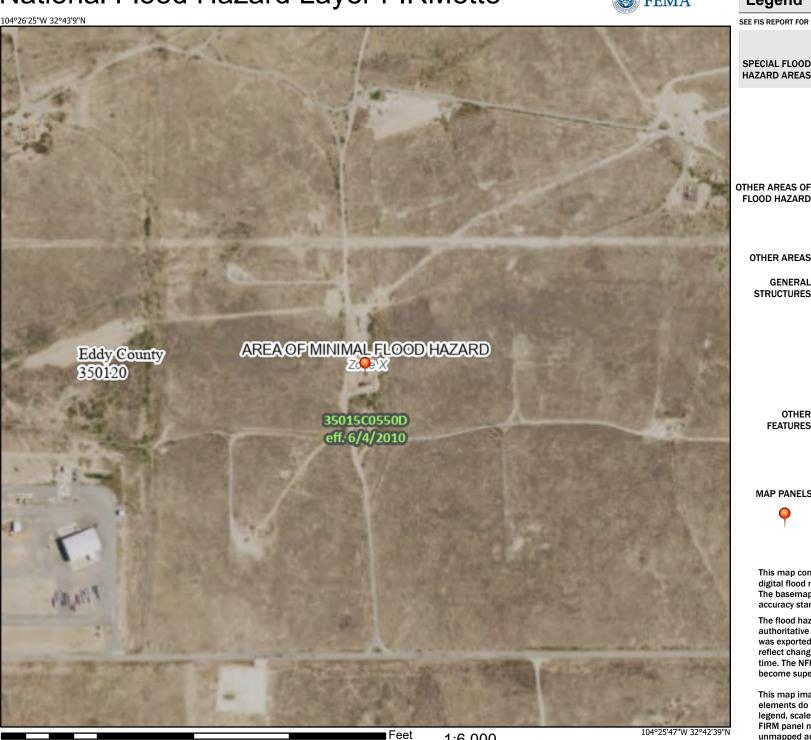
MAP PANELS

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

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

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



2.000

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

Becky Haskell

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

Becky Haskell

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

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

373.909.0302 | Tobert.maimet@state.mi



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

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 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

<<u>mike.bratcher@state.nm.us</u>>; Hensley, Chad, EMNRD <<u>Chad.Hensley@state.nm.us</u>>; 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

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, 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 < <u>Artesia S&E Spill Remediation@eogresources.com</u>>; 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

eog 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

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Lab Order: 2106A61

Project: Gerard AW Battery

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

Client Sample ID: TP1-2 Matrix: SOIL

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

Page 1 of 16

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

Client Sample ID: TP1-14 Matrix: SOIL

Result **RL Oual Units DF** Date Analyzed **Analyses Batch ID EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride 8800 300 100 6/27/2021 12:14:02 AM 60891 mg/Kg **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: BRM Diesel Range Organics (DRO) ND 9.7 mg/Kg 6/26/2021 9:13:14 AM 60871 Motor Oil Range Organics (MRO) ND 6/26/2021 9:13:14 AM 49 mg/Kg 1 60871 Surr: DNOP 73.4 70-130 %Rec 6/26/2021 9:13:14 AM 60871 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 4.7 mg/Kg 1 6/27/2021 1:39:09 AM 60834 Surr: BFB 105 70-130 %Rec 1 6/27/2021 1:39:09 AM 60834 **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 0.023 mg/Kg 6/27/2021 1:39:09 AM 60834 Toluene ND 0.047 mg/Kg 1 6/27/2021 1:39:09 AM 60834 Ethylbenzene ND 0.047 mg/Kg 1 6/27/2021 1:39:09 AM 60834 Xylenes, Total ND 0.094 mg/Kg 6/27/2021 1:39:09 AM 60834 Surr: 4-Bromofluorobenzene 107 70-130 %Rec 6/27/2021 1:39:09 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 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	Qual Units	DF	Date Analyzed H	Batch ID
EPA METHOD 300.0: ANIONS					Analys	t: JMT
Chloride	9000	300	mg/Kg	100	6/27/2021 12:26:27 Al	Л 60891
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analys	t: 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					Analys	t: 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					Analys	t: 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	Batch II
EPA METHOD 300.0: ANIONS						Ana	alyst: CJS
Chloride	ND	60		mg/Kg	20	6/25/2021 12:01:06	6089 AM
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS					Ana	alyst: BRM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	6/26/2021 10:01:52	2 AM 6087
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/26/2021 10:01:52	2 AM 6087
Surr: DNOP	72.7	70-130		%Rec	1	6/26/2021 10:01:52	2 AM 6087
EPA METHOD 8015D: GASOLINE RANGE						Ana	alyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/27/2021 2:26:20	AM 6083
Surr: BFB	220	70-130	S	%Rec	1	6/27/2021 2:26:20	AM 6083
EPA METHOD 8021B: VOLATILES						Ana	alyst: NSB
Benzene	ND	0.024		mg/Kg	1	6/27/2021 2:26:20	AM 6083
Toluene	ND	0.048		mg/Kg	1	6/27/2021 2:26:20	AM 6083
Ethylbenzene	ND	0.048		mg/Kg	1	6/27/2021 2:26:20	AM 6083
Xylenes, Total	ND	0.096		mg/Kg	1	6/27/2021 2:26:20	AM 6083
Surr: 4-Bromofluorobenzene	229	70-130	S	%Rec	1	6/27/2021 2:26:20	AM 6083

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

Client Sample ID: TP2-2 Matrix: SOIL

		Matrix	: 50	ЛL	
Result	RL	Qual Units	DF	Date Analyzed	Batch ID
				Anal	yst: CJS
63	60	mg/Kg	20	6/25/2021 12:13:30	AM 60891
SANICS				Anal	yst: BRM
ND	10	mg/Kg	1	6/26/2021 10:26:07	AM 60871
ND	50	mg/Kg	1	6/26/2021 10:26:07	AM 60871
73.0	70-130	%Rec	1	6/26/2021 10:26:07	AM 60871
				Anal	yst: NSB
ND	4.9	mg/Kg	1	6/27/2021 2:49:58 A	M 60834
101	70-130	%Rec	1	6/27/2021 2:49:58 A	M 60834
				Anal	yst: NSB
ND	0.024	mg/Kg	1	6/27/2021 2:49:58 A	M 60834
ND	0.049	mg/Kg	1	6/27/2021 2:49:58 A	M 60834
ND	0.049	mg/Kg	1	6/27/2021 2:49:58 A	M 60834
ND	0.097	mg/Kg	1	6/27/2021 2:49:58 A	M 60834
101	70-130	%Rec	1	6/27/2021 2:49:58 A	M 60834
	63 SANICS ND ND 73.0 ND 101 ND ND ND ND ND ND ND ND ND N	63 60 SANICS ND 10 ND 50 73.0 70-130 ND 4.9 101 70-130 ND 0.024 ND 0.049 ND 0.049 ND 0.049 ND 0.097	Result RL Qual Units 63 60 mg/Kg SANICS MD 10 mg/Kg ND 50 mg/Kg 73.0 70-130 %Rec ND 4.9 mg/Kg 101 70-130 %Rec ND 0.024 mg/Kg ND 0.049 mg/Kg ND 0.049 mg/Kg ND 0.049 mg/Kg ND 0.097 mg/Kg	Result RL Qual Units DF 63 60 mg/Kg 20 GANICS ND 10 mg/Kg 1 ND 50 mg/Kg 1 73.0 70-130 %Rec 1 ND 4.9 mg/Kg 1 101 70-130 %Rec 1 ND 0.024 mg/Kg 1 ND 0.049 mg/Kg 1 ND 0.049 mg/Kg 1 ND 0.049 mg/Kg 1 ND 0.097 mg/Kg 1	Analy 63 60 mg/Kg 20 6/25/2021 12:13:30 Analy 63 60 mg/Kg 20 6/25/2021 12:13:30 Analy 63 MD 10 mg/Kg 1 6/26/2021 10:26:07 Analy 63 MD 50 mg/Kg 1 6/26/2021 10:26:07 Analy 64 MR Analy 65 MR Analy 66 MR Analy 67 MR Analy 68 MR Analy 69 MR Analy 69 MR Analy 60 M

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 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	ual Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS					Analy	st: CJS
Chloride	ND	60	mg/Kg	20	6/25/2021 12:25:54 A	M 60891
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analy	st: SB
Diesel Range Organics (DRO)	16	9.9	mg/Kg	1	6/26/2021 11:30:56 P	M 60871
Motor Oil Range Organics (MRO)	110	50	mg/Kg	1	6/26/2021 11:30:56 P	M 60871
Surr: DNOP	125	70-130	%Rec	1	6/26/2021 11:30:56 P	M 60871
EPA METHOD 8015D: GASOLINE RANGE					Analy	st: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	6/27/2021 3:13:35 AM	1 60834
Surr: BFB	105	70-130	%Rec	1	6/27/2021 3:13:35 AM	1 60834
EPA METHOD 8021B: VOLATILES					Analy	st: NSB
Benzene	ND	0.024	mg/Kg	1	6/27/2021 3:13:35 AM	1 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	1 60834

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

Client Sample ID: TP3-2 Matrix: SOIL

Analyses	Result	RL	Qual Units	DF	Date Analyzed B	atch ID
EPA METHOD 300.0: ANIONS					Analyst	: ЈМТ
Chloride	150	60	mg/Kg	20	6/26/2021 12:14:06 PM	60940
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	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					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	6/27/2021 5:35:14 AM	60834
Surr: BFB	105	70-130	%Rec	1	6/27/2021 5:35:14 AM	60834
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	6/27/2021 5:35:14 AM	60834
Toluene	ND	0.047	mg/Kg	1	6/27/2021 5:35:14 AM	60834
Ethylbenzene	ND	0.047	mg/Kg	1	6/27/2021 5:35:14 AM	60834
Xylenes, Total	ND	0.094	mg/Kg	1	6/27/2021 5:35:14 AM	60834
Surr: 4-Bromofluorobenzene	107	70-130	%Rec	1	6/27/2021 5:35:14 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

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

Client Sample ID: TP4-S Matrix: SOIL

Chent Sample ID: 174-5				Matrix	: 50	ЛL	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Ana	ılyst: JMT
Chloride	ND	60		mg/Kg	20	6/26/2021 12:51:19	PM 60940
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS					Ana	lyst: BRM
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	6/26/2021 11:38:48	AM 60871
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/26/2021 11:38:48	AM 60871
Surr: DNOP	55.6	70-130	S	%Rec	1	6/26/2021 11:38:48	AM 60871
EPA METHOD 8015D: GASOLINE RANGE						Ana	lyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/27/2021 5:58:46	AM 60834
Surr: BFB	102	70-130		%Rec	1	6/27/2021 5:58:46	AM 60834
EPA METHOD 8021B: VOLATILES						Ana	lyst: NSB
Benzene	ND	0.024		mg/Kg	1	6/27/2021 5:58:46	AM 60834
Toluene	ND	0.048		mg/Kg	1	6/27/2021 5:58:46	AM 60834
Ethylbenzene	ND	0.048		mg/Kg	1	6/27/2021 5:58:46	AM 60834
Xylenes, Total	ND	0.096		mg/Kg	1	6/27/2021 5:58:46	AM 60834
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	6/27/2021 5:58:46	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: 2106A61-010 **Collection Date:** 6/17/2021 2:10:00 PM

Client Sample ID: TP4-2 Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Ana	lyst: JMT
Chloride	66	60		mg/Kg	20	6/26/2021 1:03:44 F	PM 60940
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS					Ana	lyst: BRM
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	6/25/2021 12:36:45	AM 60872
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/25/2021 12:36:45	AM 60872
Surr: DNOP	53.5	70-130	S	%Rec	1	6/25/2021 12:36:45	AM 60872
EPA METHOD 8015D: GASOLINE RANGE						Ana	lyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	6/27/2021 6:22:20 A	AM 60834
Surr: BFB	103	70-130		%Rec	1	6/27/2021 6:22:20 A	AM 60834
EPA METHOD 8021B: VOLATILES						Ana	lyst: NSB
Benzene	ND	0.023		mg/Kg	1	6/27/2021 6:22:20 A	AM 60834
Toluene	ND	0.046		mg/Kg	1	6/27/2021 6:22:20 A	AM 60834
Ethylbenzene	ND	0.046		mg/Kg	1	6/27/2021 6:22:20 A	AM 60834
Xylenes, Total	ND	0.093		mg/Kg	1	6/27/2021 6:22:20 A	AM 60834
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	6/27/2021 6:22:20 A	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 Q	ual Units	DF	Date Analyzed B	atch ID
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	5200	150	mg/Kg	50	6/28/2021 9:59:48 AM	60940
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	BRM
Diesel Range Organics (DRO)	14	9.6	mg/Kg	1	6/25/2021 1:50:01 AM	60872
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	6/25/2021 1:50:01 AM	60872
Surr: DNOP	88.3	70-130	%Rec	1	6/25/2021 1:50:01 AM	60872
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	6/27/2021 6:45:53 AM	60834
Surr: BFB	102	70-130	%Rec	1	6/27/2021 6:45:53 AM	60834
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	6/27/2021 6:45:53 AM	60834
Toluene	ND	0.050	mg/Kg	1	6/27/2021 6:45:53 AM	60834
Ethylbenzene	ND	0.050	mg/Kg	1	6/27/2021 6:45:53 AM	60834
Xylenes, Total	ND	0.10	mg/Kg	1	6/27/2021 6:45:53 AM	60834
Surr: 4-Bromofluorobenzene	103	70-130	%Rec	1	6/27/2021 6:45:53 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

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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

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

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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

Analyses Result RL Qual Units DF Date Analyzed **Batch ID EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride 2100 60 mg/Kg 6/26/2021 2:05:48 PM 60940 20 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: BRM Diesel Range Organics (DRO) ND 6/25/2021 3:03:27 AM 60872 9.6 mg/Kg 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 6/25/2021 3:03:27 AM 60872 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) 6/27/2021 7:33:04 AM 60834 ND 5.0 mg/Kg 1 Surr: BFB 102 70-130 %Rec 6/27/2021 7:33:04 AM 60834 **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 0.025 6/27/2021 7:33:04 AM 60834 mg/Kg 1 Toluene ND 60834 0.050 mg/Kg 6/27/2021 7:33:04 AM 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 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.
- D Sample Diluted Due to Matrix
- H Holding times for preparation 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#: **2106A61** 30-Jun-21

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 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#: **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: mg/Kg

%REC %RPD 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 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

%REC %RPD **RPDLimit** Analyte Result PQL SPK value SPK Ref Val LowLimit HighLimit Qual Diesel Range Organics (DRO) 36 10 50.35 71.9 15 184 Surr: DNOP S 2.3 5.035 45.9 70 130

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

Client: GHD

Project: Gerard AW Battery

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: mq/Kq

SPK value SPK Ref Val %REC %RPD Analyte Result LowLimit HighLimit **RPDLimit** Qual 130 Surr: DNOP 1.9 4.897 38.5 70 Λ 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

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

 Surr: DNOP
 6.0
 5.000
 119
 70
 130

Sample ID: MB-60869 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: PBS Batch ID: 60869 RunNo: 79364

Prep Date: 6/23/2021 Analysis Date: 6/26/2021 SeqNo: 2789122 Units: %Rec

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

Surr: DNOP 11 10.00 107 70 130

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

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

 Diesel Range Organics (DRO)
 46
 10
 50.00
 0
 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

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

Surr: DNOP 4.2 5.000 83.2 70 130

Sample ID: MB-60871 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: PBS Batch ID: 60871 RunNo: 79325

Prep Date: 6/23/2021 Analysis Date: 6/26/2021 SeqNo: 2789217 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 8.0 10.00 79.6 70 130

Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

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-60876 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: PBS Batch ID: 60876 RunNo: 79325

Prep Date: 6/23/2021 Analysis Date: 6/25/2021 SeqNo: 2789218 Units: %Rec

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

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 Qual

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 Qual

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**

Prep Date: 6/24/2021 Analysis Date: 6/26/2021 SeqNo: 2789501 Units: %Rec

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

Surr: DNOP 9.8 10.00 98.4 70 130

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

Client ID: PBS Batch ID: 60900 RunNo: 79325

Prep Date: 6/24/2021 Analysis Date: 6/26/2021 SeqNo: 2789502 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

H Holding times for preparation 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#: **2106A61** *30-Jun-21*

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
- 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 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 0 108 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 SegNo: 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	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batch	n ID: 60 8	334	R	tunNo: 7 9	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	Test						
Client ID: LCSS	Batcl	n ID: 60 8	334	R	RunNo: 7	9388				
Prep Date: 6/22/2021	Analysis D	ate: 6/ 2	26/2021	S	SeqNo: 2					
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: МЕ	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: %Red	;		
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	С		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1 1		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

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

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

Sample Log-In Check List

Client Name: GHD		Work Order	Number: 210	6A61		RcptNo: 1	
Received By: Desiree	Dominguez	6/19/2021 8:4	0:00 AM		Da		
Completed By: Desiree	Dominguez	6/19/2021 10:	05:56 AM		TDS		
Reviewed By: JR (0/21/21						
Chain of Custody							
1. Is Chain of Custody con	plete?		Yes	V	No 🗌	Not Present	
2. How was the sample de	livered?		Cou	rier			
Log In							
3. Was an attempt made to	cool the samples?		Yes	~	No 🗌	NA 🗆	
4. Were all samples receive	ed at a temperature o	of >0° C to 6.0°	C Yes	V	No 🗌	NA 🗆	
5. Sample(s) in proper con	tainer(s)?		Yes	V	No 🗌		
6. Sufficient sample volume	for indicated test(s)	?	Yes	~	No 🗆		
7. Are samples (except VO	A and ONG) properly	preserved?	Yes	V	No 🗌		
8. Was preservative added	to bottles?		Yes		No 🔽	NA 🗆	
9. Received at least 1 vial v	vith headspace <1/4"	for AQ VOA?	Yes		No 🗌	NA 🔽	
10. Were any sample contai	ners received broker	1?	Yes		No 🗹	# of preserved	
11. Does paperwork match b			Yes	V	No 🗌	bottles checked for pH: (<2 or >1)	2 unless noted)
12. Are matrices correctly ide		Custody?	Yes	1	No 🗆	Adjusted?	- Control of the sales
13. Is it clear what analyses	were requested?		Yes	V	No 🗌		
Were all holding times at (If no, notify customer for			Yes	~	No 🗌	Checked by: DA	D 6.19.21
Special Handling (if a	pplicable)						
15, Was client notified of all	discrepancies with the	nis order?	Yes		No 🗌	NA 🗹	
Person Notified:			Date:	_			
By Whom:			Via: eM	ail 🗌	Phone Fax	☐ In Person	
Regarding:							
Client Instructions	1						
16. Additional remarks:							
17. Cooler Information Cooler No Temp of 1 2.7	C Condition Se Good	al Intact Seal	No Seal D	ate	Signed By		

Ollent: GHD						I	HAL		ENV	IR	NNO	IRONMENTA	eceiv
- 1	Standard	□ Rush	5-04		F	4	ANAI YSTS	7	S. L.	-	S	AROPATOR	10
	Project Name:		0	3					1	1		5	-
Mailing Address:	Garage	ALD	I HES		WWW.n	v riywkir	www.nallenvironmental.com	, a	וויסווי	ental	enVironmental.com	9	CD:
324 W. Main St. Suite 108, Artesia NM 88210	Project #:		6	1	Tel	505-345-3975	5-307	10	anhad Eave	due,	EDE 24E 4407	80	5/20
Phone #: (505)377-4218	82211	276						Anal	Sis i	Analysis Regulest			0/20.
email or Fax#: Becky. Haskell@ghd.com	Project Manager:			-	10		-	7(-			22_6
QA/QC Package:	Becky Haskell						S	os '		-)() ₍		:47:
☐ Standard ☐ Level 4 (Full Validation)	Tom Larson						WIS	'†Ос		9407	5 (:20 1
on:	Sampler: Zach	h Comino					072	Os, I		4405	707		PM_
□ NELAC □ Other_	×	Yes	No I								2		
□ EDD (Type)	# of Coolers: \						_	_			7		
	Cooler Temp(including CF);	IB CF): D.U	2.4+0.3=2.78								S		
Date Time Matrix Sample Name	Container Prese Type and # Type	ervative	HEAL NO.	STEX /	9081 Pe	M) ad	R ARDS	31, F, Bi	N) 09Z	S) 072	otal Co		
26/77 S 000 15/1-2	Ser		100-	1				_			1		
1630 TPI-10	4		700-							+	> -		
10-19 TPI-14			-003							-	F		-
1300 TPI-20			400-				-			-	E		
125 TP2-5			-005				-		-	-	E		+
1330 TP2-2			-006						1	\vdash			+
1340 173-5			-007							-	E		
1345 TR3-2			-008										
1405 TP4-S			600-										H
1410 JH-2			-010							H			
			110-							-	-		+
0440	+		-012	3						F	>		+
Date: Time: Relinquished by:	Received by: Via:		Date Time	Ren	narks.	Pleas	se em	ail: Cr	lase	Settle	@eogre	Remarks: Please email: Chase Settle@eogresources com-	- in
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Received by	OCD:	5/20	0/20	22	6:47:20	PM				T	T	T	T	 -	-	1	1	-	Page 68 of
HALL ENVIRONMENTAL ANALYSIS LABORATORY	environme	- Albuqu	Analysis	hialysis ked.		7 DRC \ (8082 P \ 4.1) 9 2 4.5 ON	Jes/ Jes/ Jes/ Jes/ Jes/ Jes/ Jes/ Jes/	aticic sthod 1831 Mets (AC	PH:801 081 Pe DB (Me CRA 8 1, F, Br 1, F, Br (VC	82 BB BB BB BB BB BB	9								Time: Relinquished by: Received by: Via: Date Time Remarks: Please email: Chase_Settle@eogresources.com; Multiple Mu
Turn-Around Time: A Standard □ Rush < - M. Project Name:	Several All R.A.	Project #:	1122 6976			Zach Comino	olers:	Mincluding CF): 2.4 + 0.3 - 2.7 2	Container Preservative HEAL No.	-0/3									Received by: Via: Date Time 18 U 82 Received by: Via: Date Time 18 U 82 Courage (6-19-21 8-4) Introduction of this positive of this posi
Client: GHD Client: GHD	Mailing Address:	324 W. Main St. Suite 108, Artesia NM 88210	Phone #: (505)377-4218	email or Fax#: Becky. Haskell@ghd.com	© QA/QC Package: 1: □ Standard □ Level 4 (Full Validation)	Az Cor	□ EDD (Type)		Date Time Matrix Sample Name	CG721 1500 S TPS-14									Date: Time: Relinquished by: Compared to the part of the part o



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	Batc	ch ID
EPA METHOD 300.0: ANIONS					Ana	lyst: V	/P
Chloride	2300	150	mg/Kg	50	7/1/2021 5:37:39 AM	Л 6	60993
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Anal	yst: E	3RM
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	6/26/2021 7:05:14 F	PM 6	60915
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	6/26/2021 7:05:14 F	PM 6	60915
Surr: DNOP	81.1	70-130	%Rec	1	6/26/2021 7:05:14 F	PM 6	60915
EPA METHOD 8015D: GASOLINE RANGE					Anal	lyst: N	NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	6/29/2021 7:29:09 F	PM 6	60893
Surr: BFB	102	70-130	%Rec	1	6/29/2021 7:29:09 F	PM 6	60893
EPA METHOD 8021B: VOLATILES					Anal	lyst: N	NSB
Benzene	ND	0.024	mg/Kg	1	6/29/2021 7:29:09 F	PM 6	60893
Toluene	ND	0.048	mg/Kg	1	6/29/2021 7:29:09 F	PM 6	60893
Ethylbenzene	ND	0.048	mg/Kg	1	6/29/2021 7:29:09 F	PM 6	60893
Xylenes, Total	ND	0.095	mg/Kg	1	6/29/2021 7:29:09 F	PM 6	60893
Surr: 4-Bromofluorobenzene	104	70-130	%Rec	1	6/29/2021 7:29:09 F	PM 6	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	Batch ID
EPA METHOD 300.0: ANIONS					Analy	st: VP
Chloride	1100	60	mg/Kg	20	6/29/2021 4:26:31 Pi	M 60993
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analy	st: BRM
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	6/26/2021 7:29:37 PI	M 60915
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	6/26/2021 7:29:37 Pf	M 60915
Surr: DNOP	82.6	70-130	%Rec	1	6/26/2021 7:29:37 PI	M 60915
EPA METHOD 8015D: GASOLINE RANGE					Analy	st: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	6/29/2021 7:52:33 PI	M 60893
Surr: BFB	100	70-130	%Rec	1	6/29/2021 7:52:33 PI	M 60893
EPA METHOD 8021B: VOLATILES					Analy	st: NSB
Benzene	ND	0.024	mg/Kg	1	6/29/2021 7:52:33 PI	M 60893
Toluene	ND	0.048	mg/Kg	1	6/29/2021 7:52:33 Pf	M 60893
Ethylbenzene	ND	0.048	mg/Kg	1	6/29/2021 7:52:33 PI	M 60893
Xylenes, Total	ND	0.097	mg/Kg	1	6/29/2021 7:52:33 PI	M 60893
Surr: 4-Bromofluorobenzene	102	70-130	%Rec	1	6/29/2021 7:52:33 PI	И 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

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/2/2021

CLIENT: GHD Lab Order: 2106B87

Project: Gerard SW Battery

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

Client Sample ID: TP6-S Matrix: SOIL

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

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 Qu	al Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS					Anal	yst: VP
Chloride	ND	60	mg/Kg	20	6/29/2021 4:51:20 P	M 60993
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Anal	yst: BRM
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	6/26/2021 8:18:17 P	M 60915
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	6/26/2021 8:18:17 P	M 60915
Surr: DNOP	93.2	70-130	%Rec	1	6/26/2021 8:18:17 P	M 60915
EPA METHOD 8015D: GASOLINE RANGE					Anal	yst: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	6/29/2021 9:26:41 P	M 60893
Surr: BFB	99.2	70-130	%Rec	1	6/29/2021 9:26:41 P	M 60893
EPA METHOD 8021B: VOLATILES					Anal	yst: NSB
Benzene	ND	0.024	mg/Kg	1	6/29/2021 9:26:41 P	M 60893
Toluene	ND	0.047	mg/Kg	1	6/29/2021 9:26:41 P	M 60893
Ethylbenzene	ND	0.047	mg/Kg	1	6/29/2021 9:26:41 P	M 60893
Xylenes, Total	ND	0.094	mg/Kg	1	6/29/2021 9:26:41 P	M 60893
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	1	6/29/2021 9:26:41 P	M 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	ılyst: VP
Chloride	ND	60		mg/Kg	20	6/29/2021 5:03:45 I	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 I	PM 60893
Surr: BFB	98.1	70-130		%Rec	1	6/29/2021 9:50:06 I	PM 60893
EPA METHOD 8021B: VOLATILES						Ana	lyst: NSB
Benzene	ND	0.024		mg/Kg	1	6/29/2021 9:50:06 I	PM 60893
Toluene	ND	0.048		mg/Kg	1	6/29/2021 9:50:06 I	PM 60893
Ethylbenzene	ND	0.048		mg/Kg	1	6/29/2021 9:50:06 I	PM 60893
Xylenes, Total	ND	0.096		mg/Kg	1	6/29/2021 9:50:06 I	PM 60893
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	6/29/2021 9:50:06 I	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

Result **RL Oual Units DF** Date Analyzed **Analyses** Batch ID **EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride ND 6/29/2021 4:09:23 PM 59 61012 mg/Kg 20 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: BRM Diesel Range Organics (DRO) 6/26/2021 9:06:56 PM ND 9.3 mg/Kg 60915 60915 Motor Oil Range Organics (MRO) ND 6/26/2021 9:06:56 PM 46 mg/Kg 1 Surr: DNOP 76.1 70-130 %Rec 6/26/2021 9:06:56 PM 60915 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: 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** Analyst: NSB Benzene ND 6/29/2021 10:13:33 PM 60893 0.024 mg/Kg 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 6/29/2021 10:13:33 PM 60893 Surr: 4-Bromofluorobenzene 103 70-130 %Rec 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.
- D Sample Diluted Due to Matrix
- H Holding times for preparation 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	h ID
EPA METHOD 300.0: ANIONS						Ana	lyst: JN	МТ
Chloride	ND	60		mg/Kg	20	6/29/2021 4:21:47	PM 61	1012
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS					Ana	lyst: BI	RM
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	6/28/2021 2:22:13 /	AM 60	0915
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/28/2021 2:22:13 /	AM 60	0915
Surr: DNOP	26.2	70-130	S	%Rec	1	6/28/2021 2:22:13 /	AM 60	0915
EPA METHOD 8015D: GASOLINE RANGE						Ana	lyst: N	SB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/29/2021 10:37:04	PM 60	0893
Surr: BFB	100	70-130		%Rec	1	6/29/2021 10:37:04	PM 60	0893
EPA METHOD 8021B: VOLATILES						Ana	lyst: N	SB
Benzene	ND	0.024		mg/Kg	1	6/29/2021 10:37:04	PM 60	0893
Toluene	ND	0.048		mg/Kg	1	6/29/2021 10:37:04	PM 60	0893
Ethylbenzene	ND	0.048		mg/Kg	1	6/29/2021 10:37:04	PM 60	0893
Xylenes, Total	ND	0.096		mg/Kg	1	6/29/2021 10:37:04	PM 60	0893
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	6/29/2021 10:37:04	PM 60	0893

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						Ana	lyst: JMT
Chloride	ND	60		mg/Kg	20	6/29/2021 4:34:12	PM 61012
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS					Ana	lyst: BRM
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	6/26/2021 9:55:30 I	PM 60915
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/26/2021 9:55:30 I	PM 60915
Surr: DNOP	69.8	70-130	S	%Rec	1	6/26/2021 9:55:30 I	PM 60915
EPA METHOD 8015D: GASOLINE RANGE						Ana	lyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/29/2021 11:00:28	PM 60893
Surr: BFB	100	70-130		%Rec	1	6/29/2021 11:00:28	PM 60893
EPA METHOD 8021B: VOLATILES						Ana	lyst: NSB
Benzene	ND	0.025		mg/Kg	1	6/29/2021 11:00:28	PM 60893
Toluene	ND	0.050		mg/Kg	1	6/29/2021 11:00:28	PM 60893
Ethylbenzene	ND	0.050		mg/Kg	1	6/29/2021 11:00:28	PM 60893
Xylenes, Total	ND	0.099		mg/Kg	1	6/29/2021 11:00:28	PM 60893
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	6/29/2021 11:00:28	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: 2106B87-009 **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	60893 PM
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 PM
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	60893 PM
Xylenes, Total	ND	0.10		mg/Kg	1	6/29/2021 11:23:56	60893 PM
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	Batch ID)
EPA METHOD 300.0: ANIONS						Anal	/st: JMT	
Chloride	69	60		mg/Kg	20	6/29/2021 5:23:50 P	M 61012	
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS					Anal	/st: BRM	
Diesel Range Organics (DRO)	24	9.9		mg/Kg	1	6/28/2021 12:45:07	AM 60915	
Motor Oil Range Organics (MRO)	63	50		mg/Kg	1	6/28/2021 12:45:07	AM 60915	
Surr: DNOP	54.9	70-130	S	%Rec	1	6/28/2021 12:45:07	AM 60915	
EPA METHOD 8015D: GASOLINE RANGE						Anal	/st: NSB	
Gasoline Range Organics (GRO)	ND	25		mg/Kg	5	6/29/2021 11:47:29	PM 60893	
Surr: BFB	99.5	70-130		%Rec	5	6/29/2021 11:47:29	PM 60893	
EPA METHOD 8021B: VOLATILES						Anal	/st: NSB	
Benzene	ND	0.12		mg/Kg	5	6/29/2021 11:47:29	PM 60893	
Toluene	ND	0.25		mg/Kg	5	6/29/2021 11:47:29	PM 60893	
Ethylbenzene	ND	0.25		mg/Kg	5	6/29/2021 11:47:29 I	PM 60893	
Xylenes, Total	ND	0.50		mg/Kg	5	6/29/2021 11:47:29	PM 60893	
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	5	6/29/2021 11:47:29	PM 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 ID
EPA METHOD 300.0: ANIONS						Ana	ılyst: JMT
Chloride	ND	60		mg/Kg	20	6/29/2021 5:36:15	PM 61012
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS					Ana	ılyst: SB
Diesel Range Organics (DRO)	2000	98		mg/Kg	10	6/26/2021 3:47:39	PM 60925
Motor Oil Range Organics (MRO)	1400	490		mg/Kg	10	6/26/2021 3:47:39	PM 60925
Surr: DNOP	0	70-130	S	%Rec	10	6/26/2021 3:47:39	PM 60925
EPA METHOD 8015D: GASOLINE RANGE						Ana	ılyst: mb
Gasoline Range Organics (GRO)	11	9.7		mg/Kg	2	6/29/2021 10:34:00	PM 60919
Surr: BFB	113	70-130		%Rec	2	6/29/2021 10:34:00	PM 60919
EPA METHOD 8021B: VOLATILES						Ana	ılyst: mb
Benzene	ND	0.049		mg/Kg	2	6/29/2021 10:34:00	PM 60919
Toluene	ND	0.097		mg/Kg	2	6/29/2021 10:34:00	PM 60919
Ethylbenzene	ND	0.097		mg/Kg	2	6/29/2021 10:34:00	PM 60919
Xylenes, Total	ND	0.19		mg/Kg	2	6/29/2021 10:34:00	PM 60919
Surr: 4-Bromofluorobenzene	97.3	70-130		%Rec	2	6/29/2021 10:34:00	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.
- Sample Diluted Due to Matrix
- H Holding times for preparation 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

Chent Sample ID: 119-8			Matrix	: 50	IIL .	
Analyses	Result	RL (Qual Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS					Ana	lyst: JMT
Chloride	ND	61	mg/Kg	20	6/29/2021 5:48:39	PM 61012
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Ana	lyst: SB
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	6/26/2021 4:00:19 I	PM 60925
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	6/26/2021 4:00:19	PM 60925
Surr: DNOP	103	70-130	%Rec	1	6/26/2021 4:00:19 F	PM 60925
EPA METHOD 8015D: GASOLINE RANGE					Ana	lyst: 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					Ana	lyst: mb
Benzene	ND	0.025	mg/Kg	1	6/29/2021 11:33:00	PM 60919
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	1	6/29/2021 11:33:00	PM 60919
Surr: 4-Bromofluorobenzene	98.0	70-130	%Rec	1	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	Qual Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS					Analy	st: JMT
Chloride	160	61	mg/Kg	20	6/29/2021 6:01:03 PN	1 61012
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analy	st: SB
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	6/26/2021 4:12:41 PN	1 60925
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	6/26/2021 4:12:41 PN	60925
Surr: DNOP	102	70-130	%Rec	1	6/26/2021 4:12:41 PN	1 60925
EPA METHOD 8015D: GASOLINE RANGE					Analy	st: mb
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	6/30/2021 12:33:00 A	M 60919
Surr: BFB	94.0	70-130	%Rec	1	6/30/2021 12:33:00 A	M 60919
EPA METHOD 8021B: VOLATILES					Analy	st: mb
Benzene	ND	0.024	mg/Kg	1	6/30/2021 12:33:00 A	M 60919
Toluene	ND	0.048	mg/Kg	1	6/30/2021 12:33:00 A	M 60919
Ethylbenzene	ND	0.048	mg/Kg	1	6/30/2021 12:33:00 A	M 60919
Xylenes, Total	ND	0.097	mg/Kg	1	6/30/2021 12:33:00 A	M 60919
Surr: 4-Bromofluorobenzene	91.4	70-130	%Rec	1	6/30/2021 12:33:00 A	M 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					Analyst	:: ЈМТ
Chloride	550	60	mg/Kg	20	6/29/2021 6:13:27 PM	61012
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	:: 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					Analyst	:: mb
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	6/30/2021 12:52:00 AM	60919
Surr: BFB	99.7	70-130	%Rec	1	6/30/2021 12:52:00 AM	60919
EPA METHOD 8021B: VOLATILES					Analyst	:: mb
Benzene	ND	0.024	mg/Kg	1	6/30/2021 12:52:00 AM	60919
Toluene	ND	0.048	mg/Kg	1	6/30/2021 12:52:00 AM	60919
Ethylbenzene	ND	0.048	mg/Kg	1	6/30/2021 12:52:00 AM	60919
Xylenes, Total	ND	0.097	mg/Kg	1	6/30/2021 12:52:00 AM	60919
Surr: 4-Bromofluorobenzene	96.7	70-130	%Rec	1	6/30/2021 12:52:00 AM	60919

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:

Lab Order: 2106B87

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/2/2021

2106B87

CLIENT:

GHD

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
- % 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.

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 Qual

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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Hall Environmental Analysis Laboratory, Inc.

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

Client: GHD

Project: Gerard SW Battery

Sample ID: MB-60915	SampType:	MBLK	TestCoo	e: EPA Method	1 8015M/D: Die	sel Rang	e Organics		
Client ID: PBS	Batch ID:	60915	RunN	o: 79325					
Prep Date: 6/24/2021	Analysis Date:	6/26/2021	SeqN	o: 2789501	Units: mg/K	g			
Analyte	Result PQ	L SPK value	SPK Ref Val %F	EC LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	ND	10							
Motor Oil Range Organics (MRO)	ND	50							
Surr: DNOP	9.8	10.00	(8.4 70	130				
Sample ID: LCS-60915	SampType:	e: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID:	60915	RunN	o: 79325					
Prep Date: 6/24/2021	Analysis Date:	6/26/2021	SeqN	o: 2789503	Units: mg/K	g			
Analyte	Result PQ	L SPK value	SPK Ref Val %F	EC LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	54	10 50.00	0	107 68.9	141				
Surr: DNOP	4.7	5.000	(3.7 70	130				
Sample ID: MB-60925	SampType:	MBLK	TestCoo	e: EPA Metho c	1 8015M/D: Die	sel Rang	e Organics		
Client ID: PBS	Batch ID:	60925	RunN	o: 79364					
Prep Date: 6/25/2021	Analysis Date:	6/26/2021	SeqN	o: 2789749	Units: mg/K	g			
Analyte	Result PQ	L SPK value	SPK Ref Val %F	EC 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

SampType: LCS

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

Client ID: LCSS Batch ID: 60925

RunNo: 79364

Prep Date: 6/25/2021 Analysis Date: 6/26/2021

SeqNo: 2789750 Units: mg/Kg

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

Hall Environmental Analysis Laboratory, Inc.

WO#: 2106B87

02-Jul-21

Client:

Sample ID: mb-60919

Project: Gerard SW Battery

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

Client ID: PBS Batch ID: 60893 RunNo: 79456

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

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

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

TestCode: EPA Method 8015D: Gasoline Range

Surr: BFB 1100 1000 112 70 130

SampType: MBLK Client ID: PBS Batch ID: 60919 RunNo: 79458

Prep Date: 6/24/2021 Analysis Date: 6/29/2021 SeqNo: 2793254 Units: mg/Kg

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

SPK value SPK Ref Val %REC %RPD **RPDLimit** Result PQL LowLimit HighLimit Qual Gasoline Range Organics (GRO) 25 5.0 0 101 25.00 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) 10.77 61.3 31 9.7 24.18 83.1 114 Surr: BFB 2300 1934 117 70 130

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

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

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

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

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

POL 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 Page 13 of 16

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 PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Result 10.77 61.3 4.74 20 Gasoline Range Organics (GRO) 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	SampType: MBLK TestCode: EPA Method						iles		
Client ID: PBS	Batch	h ID: 60893 RunNo: 79456								
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	Sampi	ype: LC	S	I es	tCode: El	A Method	8021B: Volat	iles		
Client ID: LCSS	Batcl	n ID: 60 8	393	F	RunNo: 7 9	9456				
Prep Date: 6/24/2021	Analysis D	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	1D: 60	919	F	RunNo: 7	9458				
Prep Date: 6/24/2021	Analysis D	ate: 6/	29/2021	8	SeqNo: 2	793306	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		91.1	70	130			

Sample ID: Ics-60919	SampT	ype: LC	s							
Client ID: LCSS	Batch ID: 60919 RunNo: 79458									
Prep Date: 6/24/2021	Analysis D	oate: 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
- 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: 2106B87-012ams	SampT	ype: MS	3	Tes	TestCode: EPA Method 8021B: Volatiles								
Client ID: TP9-8	Batch	Batch ID: 60919 RunNo: 79458											
Prep Date: 6/24/2021	Analysis D	ate: 6/ 2	29/2021	S	SeqNo: 2	793310	Units: mg/K	(g					
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: 2106B87-012amsd	I SampT	ype: MS	SD .	Test	tCode: El	PA Method	8021B: Volat	iles		
Client ID: TP9-8	Batch	n ID: 60 9	919	R	RunNo: 7 9	9458				
Prep Date: 6/24/2021	Analysis D	ate: 6/	30/2021	S	SeqNo: 2	793318	Units: mg/K	(g		
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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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

and and and server skell		
Address:		TAL
Main St. Suite 108, Artesia NM 88210		DKATOR
##: (505)377-4218 ##: (505)377	Garal AW R. H.	www.hallenvironmental.com 4901 Hawkins NF - Albridgering NM 87400
##: (505)377-4218 ##: (506)377-4218 ##: (506)377-	88210 Project #	7.00 dag dag, NIN 07 108
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Time Matrix Sample Name Type and # Type Preservative HEAL No. Matrix CPSC TPS-1C J.C.)(including CF): <- (\(\frac{1}{2} \)	ED(G thoid thod thod Meta MO MO Mo Mo
Time Matrix Sample Name Type and # Type Trestributive HEAL No. EAL NO.<		8015 (Met 5 by 8 8 k 8 k 8 k (VO)
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ICSC TIPC - S CO3 IOSS TIP7 - S CC4 IOSS TIP7 - S CC6 INCO TP8 - S CC8 INS HAI - S CC8 INS HAI - S CO10 INS TP9 - Z CO10 INS TP9 - R CO10 Inme: Relinquished by: Nia: Date	5-20	
IOSS TR 2 324 IOSS TP7-2 324 INCO TP8-2 326 INCO TP8-2 329 INZO HAL-2 329 INZO TP9-2 010 IZXO TP9-2 010 Ime: Relinquished by: Received by: Via: Date	PC-5	
IOSO TD7-2 C06 C06 C06 C06 C06 C07 C07 C07 C08 C	Ro-2	
1005	21-8	
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N/20 HAI - 2 OIO N220 TP9-2 OII N230 TP9-8 OII Time: Relinquished by: Received by: Via: Date Time	5-11	
1230	2-14	
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, ,	Via: Date	Remarks: Please email: Chase Settle@eogresources.com:
5 Zeel Comme John Williams Waln Boo	Musy Wester	
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Parked 1900 Collection 1 1/2 color for 6/23/21 720	1000 AV 6/23/21 7	0

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HALL ENVIRONMENTAL	www.hallenvironmental.com	Hawkins NE - Albuqu	Tel. 505-549-5975 Fax 505-345.		O [¢] ' 2O IM2 CB,≉	82708 90, P0	665/8 604 504) 61 63 7 1 1 8	eticid sthod 831(Meta , NO)	Pet 1801 PB (Met by BB (Met by BB BB) BB (Met BB) BB (828 82 82 83 83 83 83 83 83 83 83 83 83 83 83 83	-						Kemarks: 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
Turn-Around Time:	Froject Name:	Project #:	172,8976			Zach Comino	No les No	(Including CF): 5: 4-6./=5.3	Container Preservative HEAL No.	700000	727					Received by: Via: Date Time	Via: $6 \frac{v/u/u}{Via}$
Chain-of-Custody Record	Mailing Address:	324 W. Main St. Suite 108, Artesia NM 88210		email or Fax#: Becky.Haskell@ghd.com	QA/QC Package: □ Standard □ Level 4 (Full Validation)	in: Az Con	□ EDD (Type)		Date Time Matrix Sample Name	OGRER S 749-14	D 1300 S TP9-20					Date: Time: Relinquished by:	som we fall

Hall Environmental Analysis Laboratory

TEL: 505-345-3975 FAX: 505-345-4107

4901 Hawkins NE

Albuquerque, NM 87109



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

Inc. 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 Q	Qual Units	DF	Date Ana	lyzed Ba	tch ID
EPA METHOD 300.0: ANIONS						Analyst:	VP
Chloride	5800	300	mg/Kg	100	7/15/2021	7:26:53 PM	61289
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS					Analyst:	SB
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	7/14/2021	5:34:02 PM	61259
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	7/14/2021	5:34:02 PM	61259
Surr: DNOP	88.2	70-130	%Rec	1	7/14/2021	5:34:02 PM	61259
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	7/13/2021	5:48:30 PM	61241
Surr: BFB	101	70-130	%Rec	1	7/13/2021	5:48:30 PM	61241
EPA METHOD 8021B: VOLATILES						Analyst:	NSB
Benzene	ND	0.023	mg/Kg	1	7/13/2021	5:48:30 PM	61241
Toluene	ND	0.047	mg/Kg	1	7/13/2021	5:48:30 PM	61241
Ethylbenzene	ND	0.047	mg/Kg	1	7/13/2021	5:48:30 PM	61241
Xylenes, Total	ND	0.093	mg/Kg	1	7/13/2021	5:48:30 PM	61241
Surr: 4-Bromofluorobenzene	103	70-130	%Rec	1	7/13/2021	5:48:30 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	Ba	tch ID
EPA METHOD 300.0: ANIONS					An	alyst:	VP
Chloride	5200	300	mg/Kg	100	7/15/2021 7:39:18	PM	61289
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				An	alyst:	SB
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	7/14/2021 5:58:01	PM	61259
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	7/14/2021 5:58:01	PM	61259
Surr: DNOP	92.7	70-130	%Rec	1	7/14/2021 5:58:01	PM	61259
EPA METHOD 8015D: GASOLINE RANGE					An	alyst:	NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/13/2021 6:12:22	PM	61241
Surr: BFB	99.4	70-130	%Rec	1	7/13/2021 6:12:22	PM	61241
EPA METHOD 8021B: VOLATILES					An	alyst:	NSB
Benzene	ND	0.024	mg/Kg	1	7/13/2021 6:12:22	PM	61241
Toluene	ND	0.048	mg/Kg	1	7/13/2021 6:12:22	PM	61241
Ethylbenzene	ND	0.048	mg/Kg	1	7/13/2021 6:12:22	PM	61241
Xylenes, Total	ND	0.097	mg/Kg	1	7/13/2021 6:12:22	PM	61241
Surr: 4-Bromofluorobenzene	102	70-130	%Rec	1	7/13/2021 6:12:22	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.
- Sample Diluted Due to Matrix
- H Holding times for preparation 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: 2107473-003 **Collection Date:** 7/8/2021 8:40:00 AM

Client Sample ID: TP10-15 Matrix: SOIL

		Matrix	. 50	il.		
Result	RL	Qual Units	DF	Date Analyzed	Ва	tch ID
				А	nalyst:	VP
6500	300	mg/Kg	100	7/15/2021 7:51:4	3 PM	61289
SANICS				А	nalyst:	SB
ND	9.0	mg/Kg	1	7/14/2021 6:21:5	8 PM	61259
ND	45	mg/Kg	1	7/14/2021 6:21:5	8 PM	61259
94.2	70-130	%Rec	1	7/14/2021 6:21:5	8 PM	61259
				А	nalyst:	NSB
ND	4.9	mg/Kg	1	7/13/2021 6:36:1	9 PM	61241
103	70-130	%Rec	1	7/13/2021 6:36:1	9 PM	61241
				А	nalyst:	NSB
ND	0.024	mg/Kg	1	7/13/2021 6:36:1	9 PM	61241
ND	0.049	mg/Kg	1	7/13/2021 6:36:1	9 PM	61241
ND	0.049	mg/Kg	1	7/13/2021 6:36:1	9 PM	61241
ND	0.097	mg/Kg	1	7/13/2021 6:36:1	9 PM	61241
106	70-130	%Rec	1	7/13/2021 6:36:1	9 PM	61241
	6500 GANICS ND ND 94.2 ND 103 ND ND ND ND ND ND ND ND ND N	6500 300 GANICS ND 9.0 ND 45 94.2 70-130 ND 4.9 103 70-130 ND 0.024 ND 0.049 ND 0.049 ND 0.049 ND 0.097	6500 300 mg/Kg GANICS ND 9.0 mg/Kg ND 45 mg/Kg 94.2 70-130 %Rec ND 4.9 mg/Kg 103 70-130 %Rec ND 0.024 mg/Kg ND 0.049 mg/Kg ND 0.049 mg/Kg ND 0.049 mg/Kg ND 0.049 mg/Kg	6500 300 mg/Kg 100 GANICS ND 9.0 mg/Kg 1 ND 45 mg/Kg 1 94.2 70-130 %Rec 1 ND 4.9 mg/Kg 1 103 70-130 %Rec 1 ND 0.024 mg/Kg 1 ND 0.049 mg/Kg 1	A 6500 300 mg/Kg 100 7/15/2021 7:51:4 BANICS ND 9.0 mg/Kg 1 7/14/2021 6:21:5 ND 45 mg/Kg 1 7/14/2021 6:21:5 94.2 70-130 %Rec 1 7/14/2021 6:21:5 A ND 4.9 mg/Kg 1 7/13/2021 6:36:1 103 70-130 %Rec 1 7/13/2021 6:36:1 A ND 4.9 mg/Kg 1 7/13/2021 6:36:1 ND 0.024 mg/Kg 1 7/13/2021 6:36:1 ND 0.049 mg/Kg 1 7/13/2021 6:36:1	Analyst: 6500 300 mg/Kg 100 7/15/2021 7:51:43 PM Analyst: ND 9.0 mg/Kg 1 7/14/2021 6:21:58 PM ND 45 mg/Kg 1 7/14/2021 6:21:58 PM 94.2 70-130 %Rec 1 7/14/2021 6:21:58 PM Analyst: ND 4.9 mg/Kg 1 7/13/2021 6:36:19 PM 103 70-130 %Rec 1 7/13/2021 6:36:19 PM Analyst: ND 4.9 mg/Kg 1 7/13/2021 6:36:19 PM ND 0.024 mg/Kg 1 7/13/2021 6:36:19 PM ND 0.049 mg/Kg 1 7/13/2021 6:36:19 PM

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 14

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	ANICS				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	ılyst: VP
Chloride	7000	300	mg/Kg	100	7/15/2021 8:16:32	PM 61289
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Ana	lyst: BRM
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	7/14/2021 1:06:05	PM 61260
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	7/14/2021 1:06:05	PM 61260
Surr: DNOP	75.8	70-130	%Rec	1	7/14/2021 1:06:05	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	PM 61244
Surr: BFB	97.2	70-130	%Rec	1	7/13/2021 9:22:36	PM 61244
EPA METHOD 8021B: VOLATILES					Ana	lyst: NSB
Benzene	ND	0.025	mg/Kg	1	7/13/2021 9:22:36	PM 61244
Toluene	ND	0.049	mg/Kg	1	7/13/2021 9:22:36	PM 61244
Ethylbenzene	ND	0.049	mg/Kg	1	7/13/2021 9:22:36	PM 61244
Xylenes, Total	ND	0.099	mg/Kg	1	7/13/2021 9:22:36	PM 61244
Surr: 4-Bromofluorobenzene	102	70-130	%Rec	1	7/13/2021 9:22:36	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: 2107473-006 **Collection Date:** 7/8/2021 9:30:00 AM

Client Sample ID: TP11-8 Matrix: SOIL

Result **RL Oual Units DF** Date Analyzed **Analyses Batch ID EPA METHOD 300.0: ANIONS** Analyst: VP Chloride 4700 150 7/15/2021 8:28:57 PM 61289 mg/Kg **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: BRM Diesel Range Organics (DRO) ND 7/14/2021 2:19:11 PM 9.2 mg/Kg 61260 Motor Oil Range Organics (MRO) ND 7/14/2021 2:19:11 PM 61260 46 mg/Kg 1 Surr: DNOP 79.9 70-130 %Rec 7/14/2021 2:19:11 PM 61260 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: 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** Analyst: NSB Benzene ND 7/13/2021 10:33:29 PM 61244 0.024 mg/Kg Toluene ND 0.049 mg/Kg 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 7/13/2021 10:33:29 PM 61244 Surr: 4-Bromofluorobenzene 104 70-130 %Rec 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.
- D Sample Diluted Due to Matrix
- H Holding times for preparation 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	ial Units	DF	Date Analyzed I	Batch ID
EPA METHOD 300.0: ANIONS					Analys	st: VP
Chloride	5200	150	mg/Kg	50	7/15/2021 8:41:21 PM	61289
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analys	st: BRM
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	7/14/2021 2:43:24 PM	61260
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	7/14/2021 2:43:24 PM	61260
Surr: DNOP	75.0	70-130	%Rec	1	7/14/2021 2:43:24 PM	61260
EPA METHOD 8015D: GASOLINE RANGE					Analys	st: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	7/13/2021 11:44:18 PI	M 61244
Surr: BFB	97.9	70-130	%Rec	1	7/13/2021 11:44:18 PI	M 61244
EPA METHOD 8021B: VOLATILES					Analys	st: NSB
Benzene	ND	0.023	mg/Kg	1	7/13/2021 11:44:18 PI	M 61244
Toluene	ND	0.047	mg/Kg	1	7/13/2021 11:44:18 PI	M 61244
Ethylbenzene	ND	0.047	mg/Kg	1	7/13/2021 11:44:18 PI	M 61244
Xylenes, Total	ND	0.093	mg/Kg	1	7/13/2021 11:44:18 PI	M 61244
Surr: 4-Bromofluorobenzene	103	70-130	%Rec	1	7/13/2021 11:44:18 PI	M 61244

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

Client Sample ID: TP11-20 Matrix: SOIL

Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS					Analy	st: VP
Chloride	5200	150	mg/Kg	50	7/15/2021 8:53:46 PM	<i>l</i> 61289
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analy	st: BRM
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	7/14/2021 3:07:44 PM	A 61260
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	7/14/2021 3:07:44 PM	<i>l</i> 61260
Surr: DNOP	74.9	70-130	%Rec	1	7/14/2021 3:07:44 PM	<i>l</i> 61260
EPA METHOD 8015D: GASOLINE RANGE					Analy	st: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/14/2021 12:07:48 A	M 61244
Surr: BFB	98.7	70-130	%Rec	1	7/14/2021 12:07:48 A	M 61244
EPA METHOD 8021B: VOLATILES					Analy	st: NSB
Benzene	ND	0.024	mg/Kg	1	7/14/2021 12:07:48 A	M 61244
Toluene	ND	0.048	mg/Kg	1	7/14/2021 12:07:48 A	M 61244
Ethylbenzene	ND	0.048	mg/Kg	1	7/14/2021 12:07:48 A	M 61244
Xylenes, Total	ND	0.095	mg/Kg	1	7/14/2021 12:07:48 A	M 61244
Surr: 4-Bromofluorobenzene	104	70-130	%Rec	1	7/14/2021 12:07:48 A	M 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**

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

Result **RL Oual Units DF** Date Analyzed **Analyses Batch ID EPA METHOD 300.0: ANIONS** Analyst: VP Chloride ND 7/15/2021 1:14:25 PM 61289 59 mg/Kg **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: JME Diesel Range Organics (DRO) 7/15/2021 12:04:44 PM 61260 ND 9.7 mg/Kg Motor Oil Range Organics (MRO) 54 7/15/2021 12:04:44 PM 61260 49 mg/Kg 1 Surr: DNOP 83.8 70-130 %Rec 7/15/2021 12:04:44 PM 61260 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 4.7 mg/Kg 1 7/14/2021 12:31:21 AM 61244 Surr: BFB 96.9 70-130 %Rec 1 7/14/2021 12:31:21 AM 61244 **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 7/14/2021 12:31:21 AM 61244 0.023 mg/Kg Toluene ND 0.047 mg/Kg 7/14/2021 12:31:21 AM 61244 Ethylbenzene ND 7/14/2021 12:31:21 AM 61244 0.047 mg/Kg 1 Xylenes, Total ND 0.094 mg/Kg 7/14/2021 12:31:21 AM 61244 Surr: 4-Bromofluorobenzene 103 70-130 %Rec 7/14/2021 12:31:21 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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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: 2107473-010 **Collection Date:** 7/8/2021 10:45:00 AM

Client Sample ID: TP12-2 Matrix: SOIL

chem sample 12.			1114411111	• ~ ~			
Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Ba	tch ID
EPA METHOD 300.0: ANIONS					An	alyst:	VP
Chloride	ND	60	mg/Kg	20	7/15/2021 1:26:50	PM	61289
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				An	alyst:	BRM
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	7/14/2021 4:20:51	PM	61260
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	1	7/14/2021 4:20:51	PM	61260
EPA METHOD 8015D: GASOLINE RANGE					An	alyst:	NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/14/2021 12:54:5	1 AM	61244
Surr: BFB	93.5	70-130	%Rec	1	7/14/2021 12:54:5	1 AM	61244
EPA METHOD 8021B: VOLATILES					An	alyst:	NSB
Benzene	ND	0.024	mg/Kg	1	7/14/2021 12:54:5	1 AM	61244
Toluene	ND	0.048	mg/Kg	1	7/14/2021 12:54:5	1 AM	61244
Ethylbenzene	ND	0.048	mg/Kg	1	7/14/2021 12:54:5	1 AM	61244
Xylenes, Total	ND	0.096	mg/Kg	1	7/14/2021 12:54:5	1 AM	61244
Surr: 4-Bromofluorobenzene	98.2	70-130	%Rec	1	7/14/2021 12:54:5	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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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 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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GHD Midland

Client:

Analyte

Surr: DNOP

Diesel Range Organics (DRO)

Hall Environmental Analysis Laboratory, Inc.

Result

42

4.5

PQL

10

WO#: **2107473**

RPDLimit

Qual

%RPD

20-Jul-21

Project: Gerard	AW Battery									
Sample ID: MB-61259	SampT	уре: МЕ	BLK	Tes	Code: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: PBS	Batch	1D: 61	259	R	unNo: 7 9	9789				
Prep Date: 7/13/2021	Analysis D	ate: 7/	14/2021	S	eqNo: 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	SampT	ype: LC	s	Tes	Code: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: LCSS	Batch	ID: 61	259	R	unNo: 7 9	9789				
Prep Date: 7/13/2021	Analysis D	ate: 7/	14/2021	S	eqNo: 2	806763	Units: mg/k	(g		

SPK value SPK Ref Val

50.00

5.000

Sample ID: 2107473-005AMS	SampT	ype: MS	;	Tes	tCode: El	PA Method	od 8015M/D: Diesel Range Organics					
Client ID: TP11-2	Batch	Batch ID: 61260 RunNo: 79808										
Prep Date: 7/13/2021	Analysis D	ate: 7/	14/2021	8	SeqNo: 28	807036	Units: mg/Kg					
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		

%REC

83.1

90.9

LowLimit

68.9

70

HighLimit

141

130

Sample ID: 2107473-005AMS	Tes	tCode: El	PA Method	od 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	5	SeqNo: 2	807037	Units: mg/K	ζg		
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	Tes	tCode: El	PA Method	lethod 8015M/D: Diesel Range Organics					
Client ID: LCSS	Batch	n ID: 61	260	F	RunNo: 7	9808						
Prep Date: 7/13/2021	Analysis D	oate: 7/	14/2021	8	SeqNo: 2	807054	Units: mg/K	ζg				
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.

2107473 20-Jul-21

WO#:

Client: GHD Midland
Project: Gerard AW Battery

Project: Gerard	Aw Battery	
Sample ID: MB-61260	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 61260	RunNo: 79808
Prep Date: 7/13/2021	Analysis Date: 7/14/2021	SeqNo: 2807055 Units: mg/Kg
Analyte	Result PQL SPK value SPK Ref \	/al %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	ND 10	
Motor Oil Range Organics (MRO)	ND 50	
Surr: DNOP	8.4 10.00	83.9 70 130
Sample ID: MB-61268	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 61268	RunNo: 79790
Prep Date: 7/13/2021	Analysis Date: 7/14/2021	SeqNo: 2807608 Units: %Rec
Analyte	Result PQL SPK value SPK Ref \	/al %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: DNOP	8.9 10.00	89.4 70 130
Sample ID: LCS-61268	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 61268	RunNo: 79790
Prep Date: 7/13/2021	Analysis Date: 7/14/2021	SeqNo: 2807609 Units: %Rec
Analyte	Result PQL SPK value SPK Ref \	/al %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: DNOP	4.2 5.000	83.6 70 130
Sample ID: MB-61275	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 61275	RunNo: 79790
Prep Date: 7/13/2021	Analysis Date: 7/14/2021	SeqNo: 2807632 Units: %Rec
Analyte	Result PQL SPK value SPK Ref \	/al %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: DNOP	8.8 10.00	88.4 70 130
Sample ID: LCS-61275	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 61275	RunNo: 79790
Prep Date: 7/13/2021	Analysis Date: 7/14/2021	SegNo: 2807633 Units: %Rec

Qualifiers:

Analyte

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

B Analyte detected in the associated Method Blank

80.9

LowLimit

70

HighLimit

130

%RPD

RPDLimit

Qual

- 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 %REC

5.000

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Result

4.0

PQL

Hall Environmental Analysis Laboratory, Inc.

WO#: 2107473

20-Jul-21

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

Sample ID: Ics-61241

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 **RPDLimit** Analyte Result PQL LowLimit HighLimit %RPD Qual Gasoline Range Organics (GRO) ND 5.0 70 130

Surr: BFB 960 1000 96.1

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 LowLimit %RPD **RPDLimit** Analyte Result PQL HighLimit Qual Gasoline Range Organics (GRO) ND 5.0 Surr: BFB 970 1000 97.3 70 130

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

Gasoline Range Organics (GRO) 25 5.0 98.7 25.00 78.6 131 Surr: BFB 1100 1000 113 70 130

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

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

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

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

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
- POL 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.

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 0 61.3 2.22 20 S Gasoline Range Organics (GRO) 29 4.9 24.65 117 114 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	ampType: MBLK TestCode: EPA Method				8021B: Vola	tiles			
Client ID: PBS	Batcl	h ID: 61 2	241	F	9767					
Prep Date: 7/12/2021	Analysis D	Date: 7/	13/2021	\$	806025	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			
Cample ID: 1 00 04044	0		•	T	10 - d - -		0004D V-I-			

Sample ID: LCS-61241	Samp1	Гуре: LC	S	Tes	8021B: Volat	tiles					
Client ID: LCSS	Batc	Batch ID: 61241 RunNo: 79767									
Prep Date: 7/12/2021	Analysis [Date: 7/	13/2021	9	SeqNo: 2	Units: mg/k	ng/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	SampT	ype: ME	De: MBLK TestCode: EPA Method 8					iles		
Client ID: PBS	Batch	n ID: 61 2	244	9767						
Prep Date: 7/12/2021	Analysis D	ate: 7/	13/2021	8	SeqNo: 28	806049	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-61244	SampT	ype: LC	s	TestCode: EPA Method 8021B: Volatiles											
Client ID: LCSS	Batcl	h ID: 612	244	F	RunNo: 7	9767				Qual					
Prep Date: 7/12/2021	Analysis D	Date: 7/	13/2021	9	SeqNo: 2	806050	Units: mg/K	ζg							
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
- 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.

WO#: **2107473**

20-Jul-21

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: 2107473-006ams	SampT	ype: MS	3	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: TP11-8	Batch	1D: 61 2	244	F						
Prep Date: 7/12/2021	Analysis D	ate: 7/	13/2021	S	SeqNo: 2	806053	Units: mg/K	(g		
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	SampT	ype: MS	SD	Tes	tCode: El	PA Method	8021B: Volat	iles						
Client ID: TP11-8	Batch	n ID: 61 2	244	F	RunNo: 7 9	9767								
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

ed by	OCD: 5/20/2022 6:47:20
100	ENVIRONMENTAL
200	ANALYSIS
-	LABORATORY

Client Name:	GHD Midland	Work Order Num	ber: 210	7473		RcptNo:	10
Received By:	Cheyenne Cason	7/10/2021 8:00:00	AM		Charl		
Completed By:	Cheyenne Cason	7/10/2021 9:46:27	AM		Chul		
Reviewed By:	DAD 7/12/21				Comment		
Chain of Cust	tody						
1. Is Chain of Cu	stody complete?		Yes	~	No 🗌	Not Present	
2. How was the s	sample delivered?		Cou	<u>rier</u>			
Log In							
Was an attem	pt made to cool the sample	s?	Yes	V	No 🗌	NA 🗌	
4. Were all samp	les received at a temperatu	re of >0° C to 6.0°C	Yes	V	No 🗌	NA 🗆	
5. Sample(s) in p	proper container(s)?		Yes	V	No 🗌		
6. Sufficient samp	ole volume for indicated tes	t(s)?	Yes	V	No 🗆		
7. Are samples (e	except VOA and ONG) prop	erly preserved?	Yes	V	No 🗌		
8. Was preservati	ive added to bottles?		Yes		No 🗸	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 bro	ken?	Yes		No 🗸	# of preserved	
	k match bottle labels?		Yes	~	No 🗌	bottles checked for pH:	>12 unless noted)
12. Are matrices co	orrectly identified on Chain	of Custody?	Yes	V	No 🗌	Adjusted?	
	analyses were requested?		Yes	V	No 🗌		
	g times able to be met? stomer for authorization.)		Yes	V	No 🗌	Checked by:	cc 211014
Special Handlii	ng (if applicable)						
15. Was client noti	ified of all discrepancies wit	th this order?	Yes		No 🗌	NA 🗸	
Person N	Notified:	Date:		-	-		
By Whon	n:	Via:	☐ eMa	ail 🔲	Phone Fax	In Person	
Regardin	g:						
Client Ins	structions:						
16. Additional rem	arks:						
17. <u>Cooler Inform</u> Cooler No	I Service the service of the	Seal Intact Seal No	Seal Da	ate	Signed By		

HALL ENVIRONMENTAL ANALYSIS LABORATORY	www.hallenvironmental.com	4901 Hawkins NE - Albuquerque, NM 87109		Analysis Remiset		Solvinos Solvinos	NAbsack SIM:	DR(2 1) (1) (2) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	0 / O / S/800 / O / O / O / O / O / O / O / O / O /	O O O O O O O O O O O O O O O O O O O	SD((Strick))	HEAL No. CRA 8 (No. CR	85 (Cl.) (BC) (BC) (BC) (BC) (BC) (BC)	2									> >		1 om. Larson@ghd.com; Zach.Comino@ghd.com: Along with
Turn-Around Time: A Standard	6	Project #:	7	11228776	Project Manager:	Becky Haskell	Tom Larson	L.	On Ice: X Yes 🗆 No	# of Coolers:	Cooler Temp(including CF):05-02-0-5	Container Preservative HEAL Type and # Type			700	003	300	500	900	7007	800	600	010	Received by: Via: Date T	CHMMMMO 1910 OC
Chain-of-Custody Record	Mailing Address:	324 W. Main St. Suite 108 Artesia NM 88210	/EOE1077		email or Fax#: Becky. Haskell@ghd.com	igge:	- 1	npliance	- Other	(adki)		Date Time Matrix Sample Name	CREATERS TROS	1 0825 1 TPIN-X	-	'	1		THE PERSON NAMED IN COLUMN TO PERSON NAMED I	Z F		1000	7-711) (15)	Time: Relinquished by:	Dage; 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

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

CLIENT: GHD Midland

Analytical Report

Lab Order **2203300**Date Reported: **3/14/2022**

Hall Environmental Analysis Laboratory, Inc.

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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Lab Order 2203300 Date Reported: 3/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-2

Collection Date: 3/2/2022 11:55:00 AM Project: Gerald AW Battery 2203300-002 Received Date: 3/4/2022 8:00:00 AM Lab ID: Matrix: SOIL

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
- % 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
- Sample pH Not In Range
- 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	ype: MS	3	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	Organics	
Client ID: SW-3	Batch	ID: 65 9	995	F	lunNo: 8	6343				
Prep Date: 3/7/2022	Analysis D	ate: 3/	9/2022	S	SeqNo: 3	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	169	icode. Ei	A Welliou	OU I SIVI/D. DIE	sei Kange	e Organics		
Client ID: SW-3	Batch	ID: 65	995	F	RunNo: 8	6343					
Prep Date: 3/7/2022	Analysis D	ate: 3/	9/2022	8	SeqNo: 3	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	tCode: El	PA Method	8015M/D: Di	esel Range	e Organics	
Client ID: LCSS	Batch	ID: 65 9	995	R	RunNo: 8	6343				
Prep Date: 3/7/2022	Analysis D	ate: 3/8	8/2022	S	SeqNo: 3	045214	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	96.9	68.9	135			
Surr: DNOP	5.1		5.000		103	51.1	141			

Sample ID: LCS-66000	SampT	ype: LC	S	Test	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: LCSS	Batch	1D: 66	000	R	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	SampT	уре: МЕ	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batch	ID: 65 9	995	F	RunNo: 8	6343				
Prep Date: 3/7/2022	Analysis D	ate: 3/	8/2022	9	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**

Client: GHD Midland
Project: Gerald AW Battery

Sample ID: mb-65984 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range Client ID: PBS Batch ID: 65984 RunNo: 86367 Prep Date: 3/7/2022 Analysis Date: 3/9/2022 SeqNo: 3046055 Units: mg/Kg SPK value SPK Ref Val **RPDLimit** Analyte Result PQL %REC LowLimit HighLimit %RPD Qual

Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 1100 1000 110 70 130

Sample ID: Ics-65984 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 65984 RunNo: 86367

Prep Date: 3/7/2022 Analysis Date: 3/9/2022 SeqNo: 3046056 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 26 5.0 25.00 O 104 78.6 131 Surr: BFB 1200 1000 124 70 130

Sample ID: Ics-65989 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range
Client ID: LCS Batch ID: 65989 RunNo: 86374

Prep Date: 3/7/2022 Analysis Date: 3/9/2022 SeqNo: 3046245 Units: mg/Kg

SPK value SPK Ref Val %REC %RPD **RPDLimit** Analyte Result PQL LowLimit HighLimit 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 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range Client ID: PBS Batch ID: 65989 RunNo: 86374 Prep Date: 3/7/2022 Analysis Date: 3/9/2022 SeqNo: 3046246 Units: mg/Kg SPK value SPK Ref Val %REC %RPD **RPDLimit** Result PQL LowLimit HighLimit Qual Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 1100 1000 107 70 130

Sample ID: 2203300-003ams SampType: MS 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: 3046248 Units: mg/Kg

Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 26 4.9 0 70 24.41 105 130 Surr: BFB 1200 976.6 125 70 130

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 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**

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** Qual 0 0.827 20 Gasoline Range Organics (GRO) 25 5.0 24.88 102 70 130 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	ype: ME	BLK	Test	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batch	ID: 65 9	984	R	tunNo: 8	6367				
Prep Date: 3/7/2022	Analysis D	ate: 3/	9/2022	S	SeqNo: 3	046101	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-65984	Samp1	Гуре: LC	S	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: LCSS	Batc	h ID: 65 9	984	F	RunNo: 8	6367				
Prep Date: 3/7/2022	Analysis [Date: 3/	9/2022	5	SeqNo: 3	046102	Units: mg/k	ζg		
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			

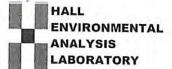
Sample ID: Ics-65989	Samp1	ype: LC	S	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batcl	n ID: 65 9	989	F	RunNo: 80	6374				
Prep Date: 3/7/2022	Analysis [Date: 3/9	9/2022	8	SeqNo: 30	046298	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	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	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batch	n ID: 65 9	989	F	RunNo: 8	6374				
Prep Date: 3/7/2022	Analysis D	oate: 3/	9/2022	8	SeqNo: 3	046299	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	0.90		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

Page 9 of 9



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 Na	me: GHD Midl	and	Worl	k Order Nur	mber: 2203300		RcptNo: 1	
Received	By: Cheyenn	e Cason	3/4/202	22 8:00:00	AM	Chul		
Completed	d By: Sean Liv	ingston	3/4/202	22 9:25:04	AM	Chul S-L		
Reviewed	By: 723/4	122				JL.	John	
Chain of	Custody							
1. Is Chair	n of Custody com	plete?			Yes 🗸	No 🗌	Not Present	
2. How wa	as the sample deli	vered?			Courier			
Log In								
3. Was an	attempt made to	cool the sam	oles?		Yes 🗸	No 🗌	NA 🗆	
4. Were all	l samples received	d at a tempera	ature of >0° C	to 6.0°C	Yes 🔽	No 🗆	NA 🗆	
5. Sample	(s) in proper conta	ainer(s)?			Yes 🔽	No 🗌		
6. Sufficien	nt sample volume	for indicated t	est(s)?		Yes 🗸	No 🗆		
7. Are sam	ples (except VOA	and ONG) pr	operly preserv	ed?	Yes 🗸	No 🗆		
8. Was pre	eservative added to	bottles?			Yes 🗌	No 🔽	NA 🗆	
9. Received	d at least 1 vial wi	th headspace	<1/4" for AQ \	/OA?	Yes 🗌	No 🗆	NA 🗹	
0. Were an	ny sample contain	ers received b	oroken?		Yes	No 🗸	A SA STATE OF THE SAME	
	perwork match bo screpancies on ch		()		Yes 🔽	No 🗆	# of preserved bottles checked for pH: (<2 or >120	Inless noted
	ices correctly ider				Yes 🗸	No 🗆	Adjusted?	mess noted)
	r what analyses w				Yes 🗸	No 🗌	/ 110/	-1.
	holding times able tify customer for a				Yes 🔽	No 🗆	Checked by: WYU	Spo
pecial Ha	andling (if app	olicable)						
5. Was clie	ent notified of all d	iscrepancies	with this order?	>	Yes	No 🗌	NA 🗹	
Pe	erson Notified:			Date				
1 1 1 1 1 1 1 1	Whom:			Via:	eMail	Phone 🗌 Fax	☐ In Person	
1 60	egarding:							
	ient Instructions:							
O. Addition	nal remarks:							
	Information							
Coole		Condition	Seal Intact	Seal No	Seal Date	Signed By		
1 2	4.9	Good						
(4)	1.1	Good						

<u> </u>	⊈ Standard	A Rush	5 BOUX				N N		V	A B D	MALL ENVIRONMENTAL ANALYSTS LABODATODA
	Project Name:										NA CENTRAL
Mailing Address:	Gerard	Aw B	Battery		4901	www.n. 4901 Hawkins NF	I. WWW		ronme	www.riallenvironmental.com	100
2135 S. Loop 250 W. Midland, TX 79703	Project #:				Tel. 5	Tel. 505-345-3975	5-397		ayacı	Eax 505-345-4107	20.
(432) 686-0086	96622211	966						Anal	sis Re	Analysis Request	
email or Fax#: Becky.Haskell@ghd.com	Project Manager:	ler:		_	((H	7(-		
QA/QC Package:	Becky Haskell						SI	os '			
☐ Standard ☐ Level 4 (Full Validation)	Tom Larson						NIS	рОq	-		
Accreditation: Az Compliance	Sampler: F	Heath Boyd			the state of		0728 -	' ^z ON	- (-	
□ EDD (Type)	lers	עורין	0 7 - 7 0			_			4 0/		
	Cooler Temp(including CF):	1.	107					N,			
Time Matrix Sample Name	Container F	Preservative Type	HEAL No.	I \X∃TE	108:H97 899 1808	EDB (We	SAHs by	3), F, Br	OV) 0928 98) 075	: əbinold	
1150 S SW-1		11/4		-)			
1155 \ Sw. Z		-	788		2					O	
5-MS X 6021	R	- X	500	2	2					X	
			8								
									-		
Relinquished by:	Received by:	Via:	Date Time	_ g	marke		_	- 5			
A	3	3	7	2	Tom	Larsc	on@gh	d.com	ze_or	Tom.Larson@ghd.com; Zach.Comino@ghd.com;	Tom.Larson@ghd.com; Zach.Comino@ghd.com;
I me: Relinquished by:	Received by:	Via:			- Call.	eoya D	irect F	A A III	Along will above.	@gna.com Along with becky Ha above. Direct Bill to FOG Chase Settle	neam. boyd@gnd.com Along with Becky Haskell listed above. Direct Bill to EOG Chase Se#le



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

Page 1 of 6

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					Analyst	: JMT
Chloride	1300	60	mg/Kg	20	3/7/2022 10:37:43 AM	65979
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: 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					Analyst	: 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					Analyst	: 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

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 RunNo: 86279 Batch ID: 65977 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** Analyte Result LowLimit Qual 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

Dicoci range Organico (Dixo)	110	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
- 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#: **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

Qual Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Gasoline Range Organics (GRO) 21 5.0 25.00 0 85.8 78.6 131 Surr: BFB 1200 122 70 1000 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

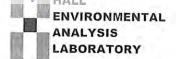
Sample ID: mb SampType: MBLK TestCode: EPA Method 8021B: Volatiles Client ID: PBS Batch ID: C86283 RunNo: 86283 Prep Date: Analysis Date: 3/7/2022 SeqNo: 3042416 Units: mg/Kg Analyte PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Result Benzene ND 0.025 Toluene ND 0.050 Ethylbenzene 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	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batch ID: C86283 RunNo: 86283									
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

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Hall Environmental . Inalysis Laboratory 4901 Hawkins NE

Website: clients.hallenvironmental.com

Sample Log-In Check List Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Client Name:	GHD Midland	Work Order Num	ber: 220	3349		RcptNo: 1	
Received By:	Cheyenne Cason	3/5/2022 8:55:00 A	M		Chul		
Completed By:	Cheyenne Cason	3/5/2022 9:14:39 A	M		Chul		
Reviewed By:	cue	3/5/22			Mul		
Chain of Cus	stodv						
	ustody complete?		Yes	~	No 🗌	Not Present	
	sample delivered?		Cou			Not resem _	
Log In							
3. Was an atten	npt made to cool the s	amples?	Yes	~	No 🗌	NA 🗆	
4. Were all samp	ples received at a tem	perature of >0° C to 6.0°C	Yes	V	No 🗌	NA 🔲	
5. Sample(s) in	proper container(s)?		Yes	~	No 🗆		
6. Sufficient sam	ple volume for indicat	ed test(s)?	Yes	V	No 🗌		
		i) properly preserved?	Yes	~	No 🗆		
	tive added to bottles?		Yes		No 🗸	NA 🗀	
9. Received at le	ast 1 vial with headsp	ace <1/4" for AQ VOA?	Yes		No 🗌	NA 🔽	
10. Were any san	nple containers receiv	ed broken?	Yes		No 🔽	# of preserved	/
	ork match bottle labels ancies on chain of cus		Yes	V	No 🗌	bottles checked for pH:	inless noted)
	correctly identified on (Yes	~	No 🗌	Adjusted2	mess noted)
	analyses were reque		Yes	V	No 🗆	/	-11
14. Were all holding	ng times able to be me ustomer for authorizati	et?	Yes	V	No 🗀	Checked by: KM	1 3/5/22
Special Handli	ing (if applicable)					
	tified of all discrepanc		Yes		No 🗌	NA 🗸	
Person	Notified:	Date:					
By Who	m:	Via:	□ eMa	ail 🗆	Phone Fax	In Person	
Regardi	ng:						
Client In	structions						
16. Additional ren	marks:						
17. Cooler Inform	nation						
Cooler No	Temp °C Condit	ion Seal Intact Seal No	Seal Da	ate	Signed By		
1	1.4 Good	Not Present	17,750	AG.	-3-31		
2	0.7 Good	Not Present					
3	4,0 Good	Not Present					

Page 1 of 1

22/5/2 Date



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	SANICS				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 OR	GANICS				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 ORG	ANICS				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 ORG	SANICS				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
- 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.

2203511 21-Mar-22

WO#:

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** 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.

21-Mar-22

2203511

WO#:

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 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-66080 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: PBS Batch ID: 66080 RunNo: 86415

Prep Date: 3/10/2022 Analysis Date: 3/11/2022 SeqNo: 3048561 Units: mg/Kg

Result **RPDLimit PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD Qual Analyte Diesel Range Organics (DRO) ND 10 ND Motor Oil Range Organics (MRO) 50 Surr: DNOP 10.00 51.1 141 10 100

Sample ID: LCS-66080 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: LCSS Batch ID: 66080 RunNo: 86415

Prep Date: 3/10/2022 Analysis Date: 3/11/2022 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 68.9 50.00 87.5 135 Surr: DNOP 4.9 5.000 98.7 141 51.1

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation 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	ype: LC	S	Tes	tCode: El	PA Method	8015D: Gasc	line Rang	е	
Client ID: LCSS	Batch	ID: 660	069	R	RunNo: 80	6409				
Prep Date: 3/9/2022	Analysis D	ate: 3/	11/2022	S	SeqNo: 30	048222	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	118	78.6	131			
Surr: BFB	2300		1000		229	70	130			S

Sample ID: mb-66069	SampT	ype: ME	BLK	Test	tCode: El	PA Method	8015D: Gaso	line Rang	е	
Client ID: PBS	Batch	n ID: 66 0	069	R	RunNo: 80	6409				
Prep Date: 3/9/2022	Analysis D	ate: 3/	11/2022	S	SeqNo: 30	048223	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		102	70	130			

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Holding times for preparation 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	Samp1	SampType: LCS			TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batcl	Batch ID: 66069 RunNo: 86409			6409						
Prep Date: 3/9/2022	Analysis D	oate: 3/	11/2022	8	SeqNo: 30	048229	Units: mg/K	g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.85	0.025	1.000	0	85.1	80	120				
Toluene	0.87	0.050	1.000	0	87.2	80	120				
Ethylbenzene	0.88	0.050	1.000	0	88.0	80	120				
Xylenes, Total	2.6	0.10	3.000	0	87.9	80	120				
Surr: 4-Bromofluorobenzene	0.90		1.000		89.8	70	130				

Sample ID: mb-66069	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS Batch ID: 66069				F	RunNo: 86409						
Prep Date: 3/9/2022	O22 Analysis Date: 3/11/2022			SeqNo: 3048230			Units: mg/Kg				
Analyte	Result PQL SPK value		SPK Ref Val	%REC	LowLimit	HighLimit %RPD		RPDLimit	Qual		
Benzene	ND	0.025									
Toluene	ND	0.050									
Ethylbenzene	ND	0.050									
Xylenes, Total	ND	0.10									
Surr: 4-Bromofluorobenzene	0.89		1.000		88.9	70	130				

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation 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? No 🗸 Yes # 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

andel

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 ORGA	ANICS				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

Page 2 of 6

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 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** 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.

6.0

5.000

WO#: **2203567**

21-Mar-22

Client: GHD Midland
Project: Gerard AW Battery

Troject. Gerard 2	AW Dattery									
Sample ID: MB-66116	SampType:	MBLK	Tes	TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID:	66116	RunNo: 86439							
Prep Date: 3/11/2022	Analysis Date:	3/14/2022	8	SeqNo: 3050132			Units: mg/Kg			
Analyte	Result PQ	L SPK value	SPK Ref Val	%REC L	_owLimit	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	Tes	tCode: EPA	Method	8015M/D: Die	sel Range	e Organics		
Client ID: PBS	Batch ID:	66117	RunNo: 86439							
Prep Date: 3/11/2022	Analysis Date:	3/14/2022	S	SeqNo: 305 0	0133	Units: %Rec				
Analyte	Result PQ	L SPK value	SPK Ref Val	%REC L	owLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: DNOP	9.4	10.00		93.5	51.1	141				
Sample ID: LCS-66116	SampType:	LCS	Tes	tCode: EPA	Method	8015M/D: Die	sel Range	e Organics		
Client ID: LCSS	Batch ID:	66116	RunNo: 86439							
Prep Date: 3/11/2022	Analysis Date:	3/14/2022	S	SeqNo: 305 (0134	Units: mg/Kg	9			
Analyte	Result PQ	L SPK value	SPK Ref Val	%REC L	owLimit	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:	LCS	Tes	tCode: EPA	Method	8015M/D: Die	sel Range	e Organics		
Client ID: LCSS	Batch ID:	66117	F	unNo: 864 3	39					
Prep Date: 3/11/2022	Analysis Date:	3/14/2022	S	SeqNo: 305 (0135	Units: %Rec				
Analyte	Result PQ	L SPK value	SPK Ref Val	%REC L	_owLimit	HighLimit	%RPD	RPDLimit	Qual	

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

121

51.1

141

- 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	TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 66096			RunNo: 86449						
Prep Date: 3/10/2022	Analysis Date: 3/12/2022			SeqNo: 3050047			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	119	78.6	131			
Surr: BFB	2400		1000		238	70	130			S

Sample ID: mb-66096	TestCode: EPA Method 8015D: Gasoline Range									
Client ID: PBS	Batch	n ID: 66 0	096	R	RunNo: 80	6449				
Prep Date: 3/10/2022	Analysis Date: 3/12/2022			SeqNo: 3050048			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		101	70	130			

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation 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 SampType: LCS				TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 66096			RunNo: 86449							
Prep Date: 3/10/2022	Analysis D	Date: 3/	12/2022	SeqNo: 3050103			0103 Units: mg/Kg				
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				
Xylenes, Total	2.9	0.10	3.000	0	96.7	80	120				
Surr: 4-Bromofluorobenzene	0.90		1.000		90.4	70	130				

Sample ID: mb-66096	SampType: MBLK Batch ID: 66096 Analysis Date: 3/12/2022			TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS				F	RunNo: 86449					
Prep Date: 3/10/2022				SeqNo: 3050104			Units: mg/K			
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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LABORATORY

Hall Environmental Analysis Laboratory 4901 Hawkins NE

Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Sample Log-In Check List

Website clients hallenvironm

Client Name:	GHD Midland	Work Order Nun	nber: 220	3567			RcptNo: 1
Received By:	Sean Livingston	3/10/2022 8:00:00	АМ		5.		ind-
Completed By:	Kasandra Payan	3/10/2022 8:23:31	AM		VII-		not
Reviewed By:	one	3/10/22			11		
Chain of Cust	tody						
1. Is Chain of Cu	stody complete?		Yes	~	No		Not Present
2. How was the s	sample delivered?		Cou	rier			
Log In							
	ot made to cool the samp	ples?	Yes	V	No		NA 🗆
1. Were all samp	les received at a tempera	ature of >0° C to 6.0°C	Yes	~	No		NA 🗆
5. Sample(s) in p	roper container(s)?		Yes	~	No		
, Sufficient samp	ole volume for indicated t	rest(s)?	Yes	V	No [
. Are samples (e	xcept VOA and ONG) pr	operly preserved?	Yes	~	No [
. Was preservati	ve added to bottles?		Yes		No [~	NA 🗆
. Received at lea	st 1 vial with headspace	<1/4" for AQ VOA?	Yes		No [NA 🗹
). Were any sam	ple containers received b	oroken?	Yes		No	V	Table Control
	k match bottle labels?		Yes	V	No [# of preserved bottles checked for pH:
	ncies on chain of custody				T. C.	7	(<2 or >12 unless noted Adjusted?
	orrectly identified on Chai analyses were requested		Yes		No L	=	Adjusted?
. Were all holding	g times able to be met? stomer for authorization.)		Yes Yes	<u>v</u>	No [Checked by: JN3 10/2
oecial Handlir	ng (if applicable)						
5. Was client noti	fied of all discrepancies	with this order?	Yes		No		NA 🗹
Person N	otified:	Date:	ſ			_	
By Whom	1:	Via:	eMa	il 🔲 F	hone 🔲 I	Fax	☐ In Person
Regardin	g: [
Client Ins	tructions:					_	

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

andy

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

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
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 ORG	ANICS				Analyst	JME
Diesel Range Organics (DRO)	250	9.8	mg/Kg	1	3/11/2022 10:03:41 AM	66112
Motor Oil Range Organics (MRO)	110	49	mg/Kg	1	3/11/2022 10:03:41 AM	66112
Surr: DNOP	104	51.1-141	%Rec	1	3/11/2022 10:03:41 AM	66112
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	17	mg/Kg	5	3/12/2022 4:30:00 PM	R86449
Surr: BFB	124	70-130	%Rec	5	3/12/2022 4:30:00 PM	R86449
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Benzene	ND	0.086	mg/Kg	5	3/12/2022 4:30:00 PM	BS86449
Toluene	ND	0.17	mg/Kg	5	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	90.7	70-130	%Rec	5	3/12/2022 4:30:00 PM	BS86449

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: 3/17/2022

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 Analyst: MRA **EPA METHOD 300.0: ANIONS** 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 3/11/2022 10:14:27 AM 66112 Motor Oil Range Organics (MRO) 100 49 mg/Kg 1 Surr: DNOP 3/11/2022 10:14:27 AM 66112 100 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 %Rec 3/12/2022 5:48:00 PM R86449 70-130 **EPA METHOD 8021B: VOLATILES** Analyst: RAA ND 3/12/2022 5:48:00 PM BS86449 Benzene 0.10 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 Surr: 4-Bromofluorobenzene 70-130 BS86449 91.6 %Rec 3/12/2022 5:48:00 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

Page 2 of 6

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.

SampType: LCS

Batch ID: 66078

Analysis Date: 3/11/2022

Result

5.0

WO#: **2203661**

17-Mar-22

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: LCS-66078

Prep Date: 3/10/2022

Client ID: LCSS

Analyte

Surr: DNOP

Sample ID: MB-66112	SampT	ype: ME	BLK	Tes	PA Method	8015M/D: Die	esel Range	e Organics		
Client ID: PBS	Batch	1D: 66	112	F	RunNo: 8	6399				
Prep Date: 3/11/2022	Analysis D	ate: 3/	11/2022	9	SeqNo: 3	047706	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	8.1		10.00		81.4	51.1	141			
Sample ID: LCS-66112	SampT	ype: LC	S	Tes	tCode: EI	PA Method	8015M/D: Die	esel Range	e Organics	
Sample ID: LCS-66112 Client ID: LCSS		ype: LC			tCode: El RunNo: 8		8015M/D: Die	esel Range	e Organics	
•		n ID: 66	112	F		6399	8015M/D: Did Units: mg/K		e Organics	
Client ID: LCSS	Batch	n ID: 66	112 11/2022	F	RunNo: 8	6399			e Organics RPDLimit	Qual
Client ID: LCSS Prep Date: 3/11/2022	Batch Analysis D	n ID: 66 9 Pate: 3/	112 11/2022	F	RunNo: 8 6 SeqNo: 3 6	6399 047776	Units: mg/K	(g	·	Qual

SPK value SPK Ref Val %REC

5.000

RunNo: 86412

101

SeqNo: 3048356

LowLimit

51.1

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

Units: %Rec

141

%RPD

RPDLimit

Qual

HighLimit

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D 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 4 of 6

Hall Environmental Analysis Laboratory, Inc.

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

Qual

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: 2.5ug gro Ics	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: R86449	RunNo: 86449	-						
Prep Date:	Analysis Date: 3/12/2022	SeqNo: 3050032	Units: mg/Kg						
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual						
Gasoline Range Organics (GRO)	26 5.0 25.00	0 104 78.6	131						
Surr: BFB	1200 1000	125 70	130						
Sample ID: mb	SampType: MBLK	TestCode: EPA Method	8015D: Gasoline Range						
Client ID: PBS	Batch ID: R86449	RunNo: 86449							
Prep Date:	Analysis Date: 3/12/2022	SeqNo: 3050033	Units: mg/Kg						
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual						
Gasoline Range Organics (GRO)	ND 5.0								
Surr: BFB	1100 1000	108 70	130						
Sample ID: Ics-66096	SampType: LCS	TestCode: EPA Method	8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 66096	RunNo: 86449							
Prep Date: 3/10/2022	Analysis Date: 3/12/2022	SeqNo: 3050047	Units: %Rec						
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual						
Surr: BFB	2400 1000	238 70	130 S						
Sample ID: mb-66096	SampType: MBLK	TestCode: EPA Method	8015D: Gasoline Range						

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit
Surr: BFB	1000		1000		101	70	130		

Batch ID: 66096

Analysis Date: 3/12/2022

Qualifiers:

Client ID: PBS

Prep Date: 3/10/2022

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation 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

RunNo: 86449

SeqNo: 3050048

Units: %Rec

- 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.

0.90

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

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: 100ng btex lcs	Ics SampType: LCS TestCode: EPA Method 8021B: Volatiles									
Client ID: LCSS	Batc	h ID: BS	86449	F	RunNo: 8	6449				
Prep Date:	Analysis [Date: 3/	12/2022	9	SeqNo: 3	050088	Units: mg/K	g		
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: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batc	h ID: BS	86449	F	RunNo: 8	6449				
Prep Date:	Analysis [Date: 3/	12/2022	9	SeqNo: 3	050089	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	0.90		1.000		89.6	70	130			
Sample ID: Ics-66096	Samp	Гуре: LC	s	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batc	h ID: 66 0	096	F	RunNo: 8	6449				
Prep Date: 3/10/2022	Analysis [Date: 3/	12/2022	S	SeqNo: 3	050103	Units: %Red	;		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Sample ID: mb-66096	SampTyp	e: MBLK	TestCode: I	les						
Client ID: PBS	Batch II	D: 66096	RunNo:	86449						
Prep Date: 3/10/2022	Analysis Date	e: 3/12/2022	SeqNo:	3050104	Units: %Rec					
Analyte	Result	PQL SPK value	SPK Ref Val %REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Surr: 4-Bromofluorobenzene	0.87	1.000	87.2	70	130			•		

90.4

70

130

1.000

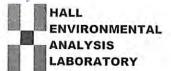
Qualifiers:

- 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 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

10 m		3/19/22	Date:	22 6:4							1/20	3/1/2	3/9/22			□ EDD (Type)	U NELAC	Accreditation:	□ Standard	QA/QC Package	email or Fax#:	Phone #	2135 S.	Mailing Address		Client:	f 402
1900	Time:	1730	Time:								100	270	1315	Time		(Type)	ì	ation:	lard	ackage:	Fax#:		Loop 2	Address		GHB	hain
190 Mun Soc Count 3/11/22 8:00 Direct Bill to EOG Chase Settle	Relinquished by:	٨	Relinquished by:									V	8	Matrix			□ Other	□ Az Co			Becky.h	(432) 686-0086	50 W. Mic	,,,			-of-C
2	ed by:		ed by:									1-1- CLX	XTP-16'	Sample Name				☐ Az Compliance	☐ Level 4 (Full Validation)		Becky.Haskell@ghd.com	36-0086	2135 S. Loop 250 W. Midland, TX 79703				Chain-of-Custody Record
200	Received by:	W. W. W.	Received by:								х	1 1	Hoz. Jar/1	Container Type and #	Cooler Temp(including CF):	# of Coolers:	On Ice:	Sampler:	Tom Larson	Becky Haskell	Project Manager:		Project #:	Gerard AW	Project Name:	□ Standard	Turn-Around Time:
Just O	Via:		Via:								×		NA	Preservative Type	P(including CF):	1 3	X Yes	Heath Boyd		ell	lager:	11220716	- 04 -		,	d Rush 24	d Time:
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	Heath.Boyd@ghd.com Along with Becky Haskell listed	Tom.Larson@ghd.com; Zach.Comino@ghd.com;	-								+	+				_									-	YSTS I ABORATOR	Í
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HALL ENVIRONMENTAL ANALYSIS LABORATORY



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

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

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	ANICS				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

pie pri Not in Range
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Date Reported: 3/23/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland 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	ANICS				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

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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.

23-Mar-22

2203833

WO#:

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

Surr: DNOP 9.2 10.00 92.2 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#: **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 235 70 S 1000 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#: **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	tiles		
Client ID: LCSS	Batcl	h ID: 66 ′	198	F	RunNo: 8	6499				
Prep Date: 3/15/2022	Analysis D	Date: 3/	16/2022	S	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	Samp1	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batc	h ID: 66	198	F	RunNo: 8	6499				
Prep Date: 3/15/2022	Analysis [Date: 3/	16/2022	9	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 Number: 2203833 RcptNo: 1 Received By: Tracy Casarrubias 3/16/2022 8:00:00 AM Completed By: Tracy Casarrubias 3/16/2022 9:21:15 AM Reviewed By: JN3/16/22 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 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? Yes V No 🗌 8. Was preservative added to bottles? Yes No V NA L 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 🗌 for pH: (Note discrepancies on chain of custody) (<2 or >12 unless noted) 12. Are matrices correctly identified on Chain of Custody? No 🗌 Adjuste Yes 🗸 13. Is it clear what analyses were requested? No 🗌 Yes V 14. Were all holding times able to be met? Checked by: Che 3/14/20 Yes 🗸 No L (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 5.3 Good Yes

O	hain	-of-C	Chain-of-Custody Record	Turn-Around Time:	Time:											Rec
Client:	GHD			Standard	d Kus	M Rush 24 hr	Ц		7 6	HALL		2	ROI	ENVIRONMENTAL	TAL	
				Project Name:					3			ח ב		AIMALISIS LABORALORY	S S	2.1
Mailing	Mailing Address:	ió		Gerard	AU B	Battery		4901	Hawki	www.h	<u>a</u>	Ironm	www.hallenvironmental.com	n 07100		OCD:
2135 S.	Loop 2	50 W. Mi	2135 S. Loop 250 W. Midland, TX 79703	Project #:			1	Tel	05-34	Tel 505-345-3975		anhn E	Fax 505 345 4107	97.109		5/2
Phone #:	#	(432) 68	(432) 686-0086))	766822	٥					Anal	sis R	Analysis Request	/01		0/20.
email or Fax#:	r Fax#:		Becky.Haskell@ghd.com	Project Manager:	ager:		_	(0		H	† C				-	22 6
QA/QC Packa	QA/QC Package:		☐ Level 4 (Full Validation)	Becky Haskell Tom Larson	=					SWIS)S ԠOc					5:47:20
Accreditation:	tation:	□ Az Cc		Sampler:						0728	IO ⁵ ' I				_	PM
□ EDD (Type)	(Type)	□ Other		On Ice:	X Yes	No						100				
				Cooler Temp(including CF):	(including CF): 5.	1+0.2 = 5.36										
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	STEX /	PH:801	EDB (We	S AHS by), F, Br	OV) 092	S70 (Se			
22/4/5	1121	S	SWX-1	402 Jos/ 1	WA	061			100	4						
	(508)	-	2-XMS		- 1	مور	×	N					. 4			
	1505		SWX-3			£0c)	X X						2 2			
	1514		SWX-4			130	<u> </u>	×		-		+	2 7			
	1530		S-XMS		1	tos	×	X		H		-	×		-	
	1533		SWX-4	,	_	700	×	X				H	7			
×	1030	×	XTP-9	X	X	500	X V				Ī	H	×			
									oG							
Date: T	Time:	Relinquished bv.	ed bv:	Deceived by:	Visc	H										
22	Q	(1)	in	Order Ay A	Via.	3/15/30 1000	<u>~</u>	Remarks: Please email: Chase_ Tom.Larson@ghd.com; Za	: Plea	se em on@g	ail: Ch nd.con		ettle@e n.Comin	arks: Please email: Chase_Settle@eogresources.com; Tom.Larson@ghd.com; Zach.Comino@ghd.com;	com;	
Date: T	Time: 9w	Relinquished by:	ed by:	Received by:	Via: ce	Sji 6/22 8:00		Heath.	Boyd	@ghd. Direct	com A	Along v above. EOG (@ghd.com Along with Becky H. above. Direct Bill to EOG Chase Settle	Heath.Boyd@ghd.com Along with Becky Haskell listed above. Direct Bill to EOG Chase Settle	ted	- Page
≦	necessary,	samples sub	If necessary, samples submitted to Hall Environmental may be supportinacted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.	ontracted to other ac	credited laboratorie	s. This serves as notice of thi	s possibilit	/. Any su	b-contra	cted data	will be c	learly no	tated on the	analytical report.		169 of 4



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

Indes

4901 Hawkins NE

Albuquerque, NM 87109

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	SANICS					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

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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: 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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
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 ORG	ANICS					Analyst	SB
Diesel Range Organics (DRO)	810	9.3		mg/Kg	1	3/17/2022 4:06:55 PM	66213
Motor Oil Range Organics (MRO)	310	46		mg/Kg	1	3/17/2022 4:06:55 PM	66213
Surr: DNOP	135	51.1-141		%Rec	1	3/17/2022 4:06:55 PM	66213
EPA METHOD 8015D: GASOLINE RANGE						Analyst	BRM
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	3/17/2022 12:53:00 PM	66221
Surr: BFB	163	70-130	S	%Rec	5	3/17/2022 12:53:00 PM	66221
EPA METHOD 8021B: VOLATILES						Analyst	BRM
Benzene	ND	0.12		mg/Kg	5	3/17/2022 12:53:00 PM	66221
Toluene	ND	0.24		mg/Kg	5	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	99.1	70-130		%Rec	5	3/17/2022 12:53:00 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: 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

Analytical Report

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

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH-11

 Project:
 Gerard AW Battery
 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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Analytical Report

Lab Order **2203832**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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Analytical Report

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland 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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Date Reported: 3/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland 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	SANICS				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: 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: 86641

Prep Date: 3/21/2022 Analysis Date: 3/21/2022 SeqNo: 3058801 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-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

Chloride 14 1.5 15.00 0 93.6 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.

8.9

WO#: **2203832**

25-Mar-22

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: LCS-66213 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 66213 RunNo: 86542 Units: mg/Kg Prep Date: 3/16/2022 Analysis Date: 3/17/2022 SeqNo: 3055282 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 Surr: DNOP 4.4 5.000 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

88.7

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#: **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 0 Gasoline Range Organics (GRO) 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	•	ype: LC			tCode: El		8021B: Volat	tiles		
Prep Date: 3/16/2022	Analysis D		17/2022		SeqNo: 3		Units: mg/K	ζg		
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	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batch	h ID: 66	221	R	RunNo: 8	6561				
Prep Date: 3/16/2022	Analysis D	Date: 3/	17/2022	S	SeqNo: 3	054938	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		87.4	70	130			

Sample ID: 2203832-001ams	SampT	уре: М	3	TestCode: EPA Method 8021B: Volatiles						
Client ID: BH-8	Batch	n ID: 66 2	221	F	RunNo: 8	6561				
Prep Date: 3/16/2022	Analysis D	oate: 3/	17/2022	9	SeqNo: 3	054943	Units: mg/k	(g		
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: 662	221	R	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 Midla	nd Work (Order Number: 220	3832			RcptNo: 1	
Received By: Tracy Cas	arrubias 3/16/202	2 8:00:00 AM					
Completed By: Tracy Cas	arrubias 3/16/202	2 9:16:58 AM					
Reviewed By: JN 3//6							
Chain of Custody							
1. Is Chain of Custody compl	ete?	Yes	~	No		Not Present	
2. How was the sample delive	ered?	Cou	rier				
Log In							
3. Was an attempt made to co	ool 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 contair	ner(s)?	Yes	V	No			
6. Sufficient sample volume fo	r indicated test(s)?	Yes	V	No			
7. Are samples (except VOA a	nd ONG) properly preserved	? Yes	V	No			
8. Was preservative added to	bottles?	Yes		No	V	NA 🗆	
9. Received at least 1 vial with	headspace <1/4" for AQ VO	A? Yes		No		NA 🗹	
0. Were any sample container	s received broken?	Yes		No	~		
						# of preserved bottles checked	
 Does paperwork match bottl (Note discrepancies on chair 		Yes	V	No		for pH:	
2. Are matrices correctly identif		Yes		No		(<2 or >12 unless note Adjusted?	ed)
3. Is it clear what analyses wer		Yes		No			1
 Were all holding times able to (If no, notify customer for au 	to be met?	Yes		No		checked by: KP() 3	16
pecial Handling (if appl						V	•
5. Was client notified of all disc	A CONTRACTOR OF THE PROPERTY O	Yes		No		NA 🗹	
Person Notified:		Date:		777		11/1 (2)	
By Whom:		Via: eMa	ii. 🖂	Phone	Fax	In Person	
Regarding:		SINC.		,	ı ax	III I CISUIT	
Client Instructions:							
6. Additional remarks:							
7. <u>Cooler Information</u> Cooler No Temp °C	Condition Seal Intact S	Coal No. Coal S		6			
A THE RESIDENCE OF THE PARTY OF	Condition Seal Intact S Good Yes	Seal No Seal Da	ite	Signed B	Ву		

Address: C-10-0-250 W. Midland, TX 79703 Project Hame: House Level 4 (Full Validation) Project Hames: House Level 4 (Full Validation) Tom Larson House Level 4 (Full Validation) Tom Larson House Level 4 (Full Validation) Tom Larson Sampler: Heath Boyd House Level 4 (Full Validation) Tom Larson Sampler: Heath Boyd House Level 4 (Full Validation) Tom Larson Sampler: Heath Boyd House Level 4 (Full Validation) Tom Larson Sampler: Heath Boyd House Level 4 (Full Validation) Tom Larson Sampler: Heath Boyd House Level 4 (Full Validation) Tom Larson Sampler: Heath Boyd House Level 4 (Full Validation) Tom Larson Sampler: Heath Boyd House Level 4 (Full Validation) Tom Larson Sampler: Heath Boyd House Level 4 (Full Validation) Tom Larson Sampler: Heath Boyd House Level 4 (Full Validation) Tom Larson Sampler: Heath Boyd House Level 4 (Full Validation) Tom Larson Sampler: Heath Boyd Tom Condition Sub-4 Tom Condition				Chandar		SI DIN	1				1	-		
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## (432) 686-0066	2135 S. Loop 2	50 W. Mic	dland, TX 79703	100			T	490 F	Haw	N SUIX	٠.	nbng	erque, NM 8	37109
Project Manager Project Project Manager Project Manager Project Manager Project P	Phone #:	(432) 68	36-0086)]	682	91		e.	2-909	45-39	/5	Fax	505-345-41	07
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Sampler Az Compliance Sampler Heath Boyd Az Compliance Az Compliance Az Compliance Az Compliance Az Compliance Az Order Templeranders Az Ozosa	☐ Standard		☐ Level 4 (Full Validation)	Tom Larson)8) s		80c	WIS	"Oc			
Time Matrix Sample Name Type Doctor Type Type Doctor Type Doctor Type Type Doctor Type Doctor Type Type Type Doctor Type	Accreditation:		mpliance	Sampler:	Heath Boyd		MB.			072	O ₂ , F			
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Time Matrix Sample Name Type and # Type Type and # Type a				Cooler Temp	(including CF): 5.	. 5	IТМ							
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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 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

andyl

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 Uni	ts DI	F 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	SANICS				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/	K g 1	3/22/2022 11:41:06 AM	66285
Surr: DNOP	89.5	51.1-141	%R	ec 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	%R	ec 1	3/21/2022 8:58:46 PM	66280
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/	<g 1<="" td=""><td>3/21/2022 8:58:46 PM</td><td>66280</td></g>	3/21/2022 8:58:46 PM	66280
Toluene	ND	0.050	mg/	K g 1	3/21/2022 8:58:46 PM	66280
Ethylbenzene	ND	0.050	mg/	K g 1	3/21/2022 8:58:46 PM	66280
Xylenes, Total	ND	0.10	mg/	K g 1	3/21/2022 8:58:46 PM	66280
Surr: 4-Bromofluorobenzene	97.7	70-130	%R	ec 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 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-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 Unit	s DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	510	60	mg/k	g 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/k	g 1	3/22/2022 12:33:45 PM	66300
Motor Oil Range Organics (MRO)	ND	47	mg/k	g 1	3/22/2022 12:33:45 PM	66300
Surr: DNOP	72.0	51.1-141	%Re	c 1	3/22/2022 12:33:45 PM	66300
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/k	g 1	3/22/2022 1:39:58 AM	66280
Surr: BFB	107	37.7-212	%Re	c 1	3/22/2022 1:39:58 AM	66280
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/k	g 1	3/22/2022 1:39:58 AM	66280
Toluene	ND	0.048	mg/k	g 1	3/22/2022 1:39:58 AM	66280
Ethylbenzene	ND	0.048	mg/k	g 1	3/22/2022 1:39:58 AM	66280
Xylenes, Total	ND	0.096	mg/k	g 1	3/22/2022 1:39:58 AM	66280
Surr: 4-Bromofluorobenzene	97.6	70-130	%Re	c 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	SANICS				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	SANICS				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/Kg	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/Kg	1	3/22/2022 1:16:04 PM	66300
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	3/22/2022 1:16:04 PM	66300
Surr: DNOP	76.0	51.1-141	%Rec	1	3/22/2022 1:16:04 PM	66300
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	3/22/2022 3:13:12 AM	66280
Surr: BFB	104	37.7-212	%Rec	1	3/22/2022 3:13:12 AM	66280
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	3/22/2022 3:13:12 AM	66280
Toluene	ND	0.050	mg/Kg	1	3/22/2022 3:13:12 AM	66280
Ethylbenzene	ND	0.050	mg/Kg	1	3/22/2022 3:13:12 AM	66280
Xylenes, Total	ND	0.099	mg/Kg	1	3/22/2022 3:13:12 AM	66280
Surr: 4-Bromofluorobenzene	93.6	70-130	%Rec	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	Code: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: BH-12	Batch	n ID: 66 3	300	F	unNo: 80	6644				
Prep Date: 3/21/2022	Analysis D	ate: 3/	22/2022	S	eqNo: 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: 2203 487-006 4MSI	n SamnT	vne. MS	en e	Tas	Code: El	2A Method	8015M/D: Dia	seel Pang	Organics	

Sample ID: 2203A87-006AMS	Sampi	ype: ws	טפ	res	(Code: El	A Method	8015NI/D: DIE	esei Range	e Organics	
Client ID: BH-12	Batch	ID: 66	300	F	RunNo: 80	6644				
Prep Date: 3/21/2022	Analysis D	ate: 3/	22/2022	8	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 Range	e Organics	
Client ID: LCSS	Batch	1D: 66	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	n ID: 66 :	300	F	RunNo: 8	6644				
Prep Date: 3/21/2022	Analysis D	ate: 3/	22/2022	8	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: 80	6644				
Prep Date: 3/21/2022	Analysis D	ate: 3/ 2	22/2022	9	SeqNo: 30	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

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 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 991.1 247 37.7 212

Sample ID: 2203a87-001amsd SampType: MSD 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: 3057901 Units: mg/Kg

%RPD **RPDLimit** Result 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 986.2 262 0 2600 37.7 212 0

Sample ID: Ics-66280 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

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
- H Holding times for preparation 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-66280 SampType: MBLK TestCode: EPA Method 8021B: Volatiles PBS Client ID: Batch ID: 66280 RunNo: 86621 Prep Date: 3/20/2022 Analysis Date: 3/21/2022 SeqNo: 3057943 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 ND 0.050 Ethylbenzene Xylenes, Total ND 0.10 Surr: 4-Bromofluorobenzene 0.96 1.000 95.6 70 130

Sample ID: LCS-66280 SampType: LCS TestCode: EPA Method 8021B: Volatiles Client ID: LCSS Batch ID: 66280 RunNo: 86621 Prep Date: Analysis Date: 3/21/2022 SeqNo: 3057945 3/20/2022 Units: mg/Kg Analyte PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 0.025 1.000 O 85.3 0.85 80 120 Benzene Toluene 0.91 0.050 1.000 0 91.1 80 120 Ethylbenzene 0 92.0 80 0.92 0.050 1.000 120 2.8 0.10 3.000 0 92.6 80 120 Xylenes, Total Surr: 4-Bromofluorobenzene 1.0 1.000 101 70 130

Sample ID: 2203a87-002ams	Samp ⁻	Гуре: МS	3	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: SW-7	Batc	h ID: 66 2	280	F	RunNo: 8	6621				
Prep Date: 3/20/2022	Analysis [Date: 3/	21/2022	8	SeqNo: 3	057956	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.024	0.9775	0	93.6	68.8	120			
Toluene	0.98	0.049	0.9775	0	99.8	73.6	124			
Ethylbenzene	1.0	0.049	0.9775	0	103	72.7	129			
Xylenes, Total	3.0	0.098	2.933	0	104	75.7	126			
Surr: 4-Bromofluorobenzene	0.99		0.9775		102	70	130			

Sample ID: 2203a87-002amsd	SampT	ype: MS	SD .	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: SW-7	Batch	1D: 662	280	F	RunNo: 80	6621				
Prep Date: 3/20/2022	Analysis D	ate: 3/ 2	22/2022	S	SeqNo: 30	057958	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.82	0.024	0.9775	0	84.0	68.8	120	10.8	20	
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	11.7	20	
Xylenes, Total	2.7	0.098	2.933	0	92.3	75.7	126	11.5	20	
Surr: 4-Bromofluorobenzene	0.95		0.9775		96.9	70	130	0	0	

Qualifiers:

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

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

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

Sample Log-In Check List

Client Name: **GHD Midland** Work Order Number: 2203A87 RcptNo: 1 Received By: Isaiah Ortiz 3/19/2022 9:50:00 AM Completed By: Isaiah Ortiz 3/19/2022 10:52:35 AM Reviewed By: 10 03/19/2022 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 🗌 4. 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 🗸 No 🗌 6. Sufficient sample volume for indicated test(s)? Yes V No 🗌 7. Are samples (except VOA and ONG) properly preserved? V No 🗌 8. Was preservative added to bottles? No V Yes NA 🗌 9. Received at least 1 vial with headspace <1/4" for AQ VOA? No 🗌 Yes \square 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) 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 🗌 Checked by: (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 Good Yes

Decirio Number	ر	nair	-0t-C	Chain-of-Custody Record	i urn-Around	ָם -									10.00	-		
Froject Name Project Name Proj	Client:	GHD			☑ Standar		h 5 /m		4 L		7 6				Z 2		IMENTAL	. >
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## (432) 686-0086	Mailing	Addres	is:		Glerard		whery			490	Hay	w w	M.na NF.	Albu	onme	ntal.con	7 87109	
## Becky. Haskell@ahd.com	2135 S	Loop 2	250 W. Mi	dland, TX 79703	Project #:					<u>a</u>	505	345-	3975		x 50	345-4	27,103	
## Becky.Haskell@ghd.com Project Wanager: Becky.Haskell	Phone :	#:	(432) 68	36-0086	2211	9262							٩	nalys	is Re	quest	2	8
Sampler: Heath Boyd Sooler Templinations on: 40°±°C Miles Matrix Sample Name Type and # Type 22°C 3 M°S Miles Matrix Sample Name Type and # Type 22°C 3 M°S Miles Mile	email o	r Fax#:	Becky. F	laskell@ghd.com	Project Man	ager:			((0	H	H		70	H	L		H
Devel 4 (Full Validation) Tom Larson Sampler: Heath Boyd Ares On Ice: X Yes D No	QA/QC	Package	44		Becky Haske	=			1208		s,g:	SM)S '\$(
Date Area Compliance Sampler: Heath Boyd Date Date Area Date Da	□ Stan	Idard		☐ Level 4 (Full Validation)	Tom Larson) s,		ьс	IISO		ОЧ	_			
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Matrix Sample Name Cooler Templinauding CP; 40°±C Matrix Sample Name Type and # Time Matrix Sample Name Matrix Sample Time Matrix Sample	- EDD	(Type)			# of Coolers		ON I		/ 3				_	,£C	AO\			_
Matrix Sample Name Type and # Type 2203 M87 EN M87					Cooler Temp	(including CF).	0.40		atm									
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7		1653						003	X	1						X		-
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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 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

 Project:
 Gerard AW Battery
 Collection Date: 3/21/2022 11:30:00 AM

 Lab ID:
 2203D66-001
 Matrix: SOIL
 Received Date: 3/25/2022 7:23:00 AM

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 OR	GANICS				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
- H Holding times for preparation 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#: **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.

05-Apr-22

2203D66

WO#:

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: LCS-66433	SampT	ype: LC	S	TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch	Batch ID: 66433			unNo: 80	6803					
Prep Date: 3/28/2022	022 Analysis Date: 3/29/2022			S	eqNo: 30	066789	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: 1 CS-66443	SampType: LCS TestCode: EPA Method						8015M/D: Did	asal Rang	Organics		

Sample ID: LCS-66443	SampT	ype: LC	S	Tes	TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch	n ID: 66	443	F	RunNo: 8	6803						
Prep Date: 3/28/2022	Analysis Date: 3/29/2022			9	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	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch	ID: 66 4	133	F	RunNo: 80	6803						
Prep Date: 3/28/2022	Analysis D	ate: 3/ 2	29/2022	8	SeqNo: 30	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					

Sample ID: MB-66443	SampType:	MBLK	Tes	TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID:	66443	F	RunNo: 86	6803						
Prep Date: 3/28/2022	Analysis Date:	S	SeqNo: 30	066795	Units: %Rec						
Analyte	Result PQ	L 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

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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

2100

Prep Date: 3/25/2022 Analysis Date: 3/29/2022 SeqNo: 3066215 Units: mg/Kg

1000

Qual Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** 72.3 Gasoline Range Organics (GRO) 27 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

Page 4 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 8021B: Volatiles PBS Client ID: 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 ND 0.050

Toluene Ethylbenzene ND 0.050 Xylenes, Total ND 0.10

0.98 1.000 98.0 70 130 Surr: 4-Bromofluorobenzene

Sample ID: LCS-66416	SampT	ype: LC	s	TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch	n ID: 66 4	416	F	RunNo: 80						
Prep Date: 3/25/2022	Analysis D	Date: 3/2	29/2022	S	066263	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	88.3	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
- 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 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 🗌 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 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

Page 1 of 1



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.: 2203D64

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	GANICS					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.

2203D64 06-Apr-22

WO#:

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

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

Chloride 14 1.5 15.00 0 94.8 110

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

POL 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 RL

Page 2 of 5

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 0 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

Page 3 of 5

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

Page 4 of 5

Hall Environmental Analysis Laboratory, Inc.

0.98

WO#: **2203D64** *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 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

98.0

70

130

1.000

Sample ID: LCS-66416	TestCode: EPA Method 8021B: Volatiles									
Client ID: LCSS	Client ID: LCSS Batch ID: 66416				RunNo: 8	6824				
Prep Date: 3/25/2022	Analysis [Analysis Date: 3/29/2022			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

Page 5 of 5



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 Mid	and	Worl	Order Nun	nber: 220	3D64			RcptNo: 1				
Received By	Cheyenr	ne Cason	3/25/20	122 7:23:00	MA		Chance	2					
Completed 8	Sean Liv	ingston	3/25/20	22 8:42:17	AM		<	1	1. A				
Reviewed By	THE		3/25/	22		(7	-				
Chain of C	ustody				-	1	The same	-	-				
	Custody com	plete?			Yes		No	B.	Not Present				
2. How was ti	ne sample deli	ivered?			Co.								
Log in													
Was an att	empt made to	cool the samp	oles?		Yes	V	No		NA 🗆				
4. Word all sa	mples 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 s	ample volume	for indicated t	est(s)?		Yes	V	No						
7. Are sample				ed?	Yes	V	No	-					
8. Was presen			West X Breakers		Yes		No	Z.	NA 🗆				
Received at	least 1 vial w	th headspace	<1/4" for AQ \	OA7	Yes		No	(2)	NA 🗹				
0 Were any s					Yes		No		77.00				
1 Does paper	work match be	xtle labels?			Yes	V	No		# of preserved bottles checked for pH.				
	pancies on ch							7	(<2 or ≥ 12 tunis	ss nated)			
			n of Custody?			V	No		Adjusted?				
3 is it clear wi			17		Yes		No		/	la do			
4. Were all hol (If no, notify	ding times acl customer for	e to be met? authorization.	a a		Yes	~	No		Checked by JA3	25/12			
pecial Hand	dling (if ap)	plicable)						-					
5. Was client	notified of all d	liscrepancies	with this order		Yes		No.		NA 🗸				
Perso	n Notified:			Date									
By W	hom			Via:	eMa	ail 🗌	Phone 🗌	Fax	n Person				
Regar													
	Instructions												
6 Additional r	emarks												
7. Cooler Info													
Cooler N	and the second second	Condition	Seal Intact	Seal No.	Seal Da	ale	Signed E	y					
	2.9	Good											
2	1.6	Good											

com

Pleas Email. Amber - Contino 800g resources.

Address	Client	Clent GHD	-O	Chain-or-Custody Record	Turn-Arauna Time:	i III e	į	L		HA	LLE	N	IR	HALL ENVIRONMENTAL
Cooperation		5			Project Nam	110	5 Davy		I	A	ALY	SIS	2	BORATOR
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Project Manager Project Manager Becky Haskell Becky Haskell Full Validation Tom Larson Sampler Heath Boyd Contest Sampler Sampler Preservative Sampler Preservative Sampler	Phone	#	(432) 6	86-0086		9265					Anz	lysis	Regu	351
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Contained by: Contained by	DAVGC	Package	ki		Becky Hask	-		_		SM	S			
Sample S	□ Sta	ndard		☐ Level 4 (Full Validation)	Tom Larson			_	_	IISO	Od			
Time Matrix Sample Name Type and # Type Coolers: 3 2.9-052.9 Container Type and # Type Coolers: 3 2.9-052.9 Container Reinquished by: Received by: Vis: Date Time Reinquished by: Received by: Vis: Date Time Time: Reinquished by: Received by: Vis: Date Time	Accred	litation	D.AZ.C	ompliance	Sampler:	Heath Boyd			Z80		*ON	17		
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	Date:			ed by:	Received by:		e e	-	earline earline	yd@g	ct Bill t	abov EOG	e. Chas	Becky Haskell listed

Released to Imaging: 6/1/2022 10:31:12 AM



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					Analys	t: LRN
Chloride	4800	150	mg/K	50	4/1/2022 12:17:09 PM	66549
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	t: SB
Diesel Range Organics (DRO)	1100	49	mg/K	5	3/30/2022 6:01:46 PM	66433
Motor Oil Range Organics (MRO)	430	250	mg/K	5	3/30/2022 6:01:46 PM	66433
Surr: DNOP	82.2	51.1-141	%Red	5	3/30/2022 6:01:46 PM	66433
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: NSB
Gasoline Range Organics (GRO)	34	24	mg/K	5	3/30/2022 2:59:52 AM	66416
Surr: BFB	176	37.7-212	%Red	5	3/30/2022 2:59:52 AM	66416
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.12	mg/K	5	3/30/2022 2:59:52 AM	66416
Toluene	ND	0.24	mg/K	5	3/30/2022 2:59:52 AM	66416
Ethylbenzene	0.37	0.24	mg/K	j 5	3/30/2022 2:59:52 AM	66416
Xylenes, Total	ND	0.49	mg/K	5	3/30/2022 2:59:52 AM	66416
Surr: 4-Bromofluorobenzene	105	70-130	%Red	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

Analytical Report Lab Order **2203D63**

Date Reported: 4/6/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH-18

Project: Gerard AW Battery **Collection Date:** 3/23/2022 1:10:00 PM 2203D63-002 Lab ID: 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
- % 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 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

Page 3 of 9

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

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

porting Limit Page 5 of 9

Hall Environmental Analysis Laboratory, Inc.

WO#: **2203D63**

06-Apr-22

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: mg/Kg

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

Prep Date: 3/31/2022 Analysis Date: 3/31/2022 SeqNo: 3070435 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 91.7 90 110

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#: 2203D63

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 RunNo: 86803 Batch ID: 66433 Prep Date: 3/28/2022 Analysis Date: 3/29/2022 SeqNo: 3066789 Units: mg/Kg PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Analyte Result Diesel Range Organics (DRO) 10 0 44 50.00 87.8 68.9 135 Surr: DNOP 3.8 5.000 75.1 51.1 141

Sample ID: MB-66433 TestCode: EPA Method 8015M/D: Diesel Range Organics SampType: MBLK Client ID: PBS Batch ID: 66433 RunNo: 86803 Prep Date: 3/28/2022 Analysis Date: 3/29/2022 SeqNo: 3066793 Units: mg/Kg Qual Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit**

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
- 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: 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

1000

Client ID: LCSS Batch ID: 66416 RunNo: 86824

2100

Prep Date: 3/25/2022 Analysis Date: 3/29/2022 SeqNo: 3066215 Units: mg/Kg

Qual Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** 72.3 Gasoline Range Organics (GRO) 27 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 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#: **2203D63 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

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

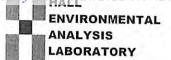
Sample ID: LCS-66416	SampTyp	oe: LCS		Test	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batch II	D: 66416	i	R	RunNo: 8	6824				
Prep Date: 3/25/2022	Analysis Dat	te: 3/29/2	2022	S	SeqNo: 3	066263	Units: mg/K	g		
Analyte	Result	PQL SF	PK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Analyte Benzene		PQL SF 0.025	PK value 1.000	SPK Ref Val	%REC 88.3	LowLimit 80	HighLimit 120	%RPD	RPDLimit	Qual

50200				-			
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 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	and	Wor	k Order Nur	mber: 22	03D63			RcptNo:	1
Received By:	Cheyenr	ne Cason	3/25/2	022 7:23:00) AM		Chem	1		
Completed By:	Sean Liv	vingston	3/25/2	022 8:35:58	3 AM		<	-6	/	
Reviewed By:	TMC		3/25						egot-	
Chain of Cua	to du					/		3	-	
Chain of Cus 1. Is Chain of C		-1-4-0								
					Yes	V	No		Not Present	
2. How was the	sample del	vered?			Cou	ırier				
Log In										
3. Was an attern	npt made to	cool the sam	ples?		Yes	~	No		NA 🗌	
4. Were all samp	oles receive	d at a temper	ature of >0° C	to 6.0°C	Yes	V	No		NA 🗆	
5. Sample(s) in p	proper conta	ainer(s)?			Yes	V	No			
6. Sufficient sam	ple volume	for indicated t	test(s)?		Yes	V	No			
7. Are samples (e				ed2		V		_		
8. Was preservat			openy preserv	eur	Yes		No			
ar are processing	iivo adaca (o bottles:			Yes	Ш	No	V	NA L	
9. Received at lea	ast 1 vial wi	th headspace	<1/4" for AQ \	VOA?	Yes		No		NA 🗹	
10. Were any sam	nple contain	ers received I	broken?		Yes		No	V		
11.6									# of preserved bottles checked	
 Does paperwood (Note discrepa) 					Yes	V	No		for pH:	
12. Are matrices co									(<2 or >	12 unless noted)
3. Is it clear what					Yes	V	No	-	Adjusted?	
14. Were all holdin			•		Yes	V	No No		Checked by:	3/20/2
(If no, notify cu	stomer for a	authorization.))		res	•	NO		Checked by.	- 3/23/12
Special Handli	ng (if apı	olicable)								
15. Was client not	D. Children		with this order	?	Yes		No		NA 🗸	
Person N	Notified:			Date				_		
By Whor	n:			Via:	☐ eMa	ail 🗀	Phone	Fav	In Person	
Regardin	ng:					411 LJ	i none	Lax	☐ III Feison	
Client Ins	structions:									
16. Additional rem	narks:									
17. Cooler Inform	aation									
Cooler No	Temp °C	Condition	Seal Intact	Cool Na	C1D	1	8.17.17.			
1	2.9	Good	ocai intact	Seal No	Seal Da	ate	Signed I	ЗУ		
2	1.6	Good								
3	2.8	Good								
	1.6	Good								

Client: GHD	: GHD			٨			I	ALL		IVI	HALL ENVIRONMENTAL	
		☐ Standard	d Rush	sh 5 Day			•	N	>	2	ANALYSTS I ABODATODY	1
		Project Name:	.е.				()	2	LABORATO	Y
Mailing Address:		Gerard	AU B.	Battery		7007	> :	ww.ha	llenvir	onme	www.hallenvironmental.com	
2135 S. Loop 250 W. Midland, TX 79703	and, TX 79703	Project #:			T	1084	Tawkir	SNE	- Albu	dnerd	4901 Hawkins NE - Albuquerque, NM 87109	
Phone #: (432) 686-0086	-0086	12211	9668			el. o	05-34	1 el. 505-345-3975	Fa	1 206 X	Fax 505-345-4107	
email or Fax#: Becky.Has	Becky. Haskell@ghd.com	Project Manager	ader.			(_	Analysis Kequest	IS Ke	quest	
QA/QC Package:		Beckv Haskell	; =					-	os	_		I
☐ Standard □	☐ Level 4 (Full Validation)	Tom Larson	5					SIVIIS	' [†] O			
Accreditation: Az Compliance	pliance	Sampler	Heath Boyd				_	207	3° b			
		On Ice:	X Yes	NO.				70 1	ON	(
□ EDD (Type)		# of Coolers.	u u	9-11-13		1			,£C	AO,		
		Cooler Temp(including CF): 1	(including CF): 1.6	0-021.6								
1	N. T.	Container	Preservative		/ X	18018 1 Pes	eM) 8	yd el 18 A9	; Br,	(Ser	S əbin	
Matrix	Sample Name	Type and #	Type	h								
125/22 R.45 5 1	BH-16	Hor. For/	NA	100							9	
1310 1	BH-18	ŀ	-	1000	X		-		+		2 3	Ī
1415	BH-20			033	_	1 7	1		ł		2 >	
2 , 22/1/	12-18			0	1		+	1	+			
V	77			8	7						X.	
163	11.C.C	×	X	500	7 7						X	
			-									
		1.							H			
ate: Time: Re		Received by:	Via:	Data Time	- '							
12 1700		WAXXXX		60	<u> </u>	narks: Tom.	Please	email @ghd	Com;	e_Set Zach.(Kemarks: Please email: Chase_Settle@eogresources.com; Tom.Larson@ghd.com; Zach.Comino@ghd.com:	i.
Say 20 10 00 0 00 00 00 00 00 00 00 00 00 00		15.			_	leath.E	oyd@	ghd.co	m Along v above.	ng with	Heath.Boyd@ghd.com Along with Becky Haskell listed above.	
100 001	1 VVI Wilder Blill to EOG Chase Settle	ma	Ever 3/2	3/25/20 0723			ā	ect Bill	to EO	GCh	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

Lab Order **2203E30**Date Reported: **4/6/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland 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	4/4/2022 1:38:50 PM	66583
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS					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					Analyst	:: 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 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 31

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 Uni	ts Dl	F Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	: LRN
Chloride	4600	150	mg,	Kg 50	0 4/4/2022 2:03:39 PM	66583
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	t: 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	%R	ec 1	3/31/2022 5:05:04 PM	66503
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: 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	%R	ec 1	3/31/2022 5:23:00 PM	66469
EPA METHOD 8021B: VOLATILES					Analys	t: 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	%R	ec 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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Analytical Report Lab Order 2203E30

Date Reported: 4/6/2022

Hall Environmental Analysis Laboratory, Inc.

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	SANICS				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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Date Reported: 4/6/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland 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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Date Reported: 4/6/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland 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

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 3:05:41 PM	66583
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS					Analyst	: JME
Diesel Range Organics (DRO)	1900	97		mg/Kg	10	4/1/2022 3:35:31 PM	66503
Motor Oil Range Organics (MRO)	890	490		mg/Kg	10	4/1/2022 3:35:31 PM	66503
Surr: DNOP	0	51.1-141	S	%Rec	10	4/1/2022 3:35:31 PM	66503
EPA METHOD 8015D: GASOLINE RANGE						Analyst	: BRM
Gasoline Range Organics (GRO)	35	24		mg/Kg	5	3/31/2022 7:42:00 PM	66469
Surr: BFB	185	37.7-212		%Rec	5	3/31/2022 7:42:00 PM	66469
EPA METHOD 8021B: VOLATILES						Analyst	: BRM
Benzene	ND	0.12		mg/Kg	5	3/31/2022 7:42:00 PM	66469
Toluene	ND	0.24		mg/Kg	5	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	101	70-130		%Rec	5	3/31/2022 7:42:00 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-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	ANICS					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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Analytical Report

Lab Order **2203E30**Date Reported: **4/6/2022**

Hall Environmental Analysis Laboratory, Inc.

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	ANICS					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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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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Lab Order **2203E30**Date Reported: **4/6/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland 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	SANICS					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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Lab Order **2203E30**Date Reported: **4/6/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland 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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Lab Order **2203E30**Date Reported: **4/6/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland 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 U	Jnits	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: LRN
Chloride	220	60	m	ng/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	m	ng/Kg	1	3/31/2022 7:46:20 PM	66503
Motor Oil Range Organics (MRO)	ND	50	m	ng/Kg	1	3/31/2022 7:46:20 PM	66503
Surr: DNOP	80.3	51.1-141	%	6Rec	1	3/31/2022 7:46:20 PM	66503
EPA METHOD 8015D: GASOLINE RANGE						Analyst	BRM
Gasoline Range Organics (GRO)	ND	5.0	m	ng/Kg	1	3/31/2022 10:23:00 PM	66469
Surr: BFB	95.1	37.7-212	%	6Rec	1	3/31/2022 10:23:00 PM	66469
EPA METHOD 8021B: VOLATILES						Analyst	BRM
Benzene	ND	0.025	m	ng/Kg	1	3/31/2022 10:23:00 PM	66469
Toluene	ND	0.050	n	ng/Kg	1	3/31/2022 10:23:00 PM	66469
Ethylbenzene	ND	0.050	m	ng/Kg	1	3/31/2022 10:23:00 PM	66469
Xylenes, Total	ND	0.099	m	ng/Kg	1	3/31/2022 10:23:00 PM	66469
Surr: 4-Bromofluorobenzene	77.6	70-130	%	6Rec	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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Analytical Report

Lab Order **2203E30**

Date Reported: 4/6/2022

Hall Environmental Analysis Laboratory, Inc.

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					Analys	: LRN
Chloride	1200	60	mg/K	g 20	4/2/2022 3:42:09 AM	66584
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	t: SB
Diesel Range Organics (DRO)	ND	9.7	mg/K	g 1	3/31/2022 8:18:18 PM	66503
Motor Oil Range Organics (MRO)	ND	49	mg/K	g 1	3/31/2022 8:18:18 PM	66503
Surr: DNOP	86.2	51.1-141	%Re	: 1	3/31/2022 8:18:18 PM	66503
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: BRM
Gasoline Range Organics (GRO)	ND	5.0	mg/K	g 1	4/1/2022 12:44:00 AM	66469
Surr: BFB	96.7	37.7-212	%Re	1	4/1/2022 12:44:00 AM	66469
EPA METHOD 8021B: VOLATILES					Analys	t: BRM
Benzene	ND	0.025	mg/K	g 1	4/1/2022 12:44:00 AM	66469
Toluene	ND	0.050	mg/K	g 1	4/1/2022 12:44:00 AM	66469
Ethylbenzene	ND	0.050	mg/K	g 1	4/1/2022 12:44:00 AM	66469
Xylenes, Total	ND	0.10	mg/K	g 1	4/1/2022 12:44:00 AM	66469
Surr: 4-Bromofluorobenzene	79.2	70-130	%Re	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 U	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	:: LRN
Chloride	1600	60	1	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	1	mg/Kg	1	4/1/2022 3:46:12 PM	66503
Motor Oil Range Organics (MRO)	86	48	1	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	1	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	1	mg/Kg	1	4/1/2022 1:04:00 AM	66469
Toluene	ND	0.049	1	mg/Kg	1	4/1/2022 1:04:00 AM	66469
Ethylbenzene	ND	0.049	1	mg/Kg	1	4/1/2022 1:04:00 AM	66469
Xylenes, Total	ND	0.098	1	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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Analytical Report

Lab Order **2203E30**Date Reported: **4/6/2022**

Hall Environmental Analysis Laboratory, Inc.

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					Analyst	:: LRN
Chloride	1100	60	mg/Kg	20	4/2/2022 4:31:45 AM	66584
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: 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					Analyst	:: 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					Analyst	: 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					Analys	t: LRN
Chloride	3800	150	mg/Kg	50	4/4/2022 3:55:19 PM	66584
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	t: 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					Analys	t: 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					Analys	t: 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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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 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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Analytical Report

Lab Order **2203E30**Date Reported: **4/6/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland 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	SANICS					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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Analytical Report

Lab Order **2203E30**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.

WO#: **2203E30** *06-Apr-22*

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 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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GHD Midland

Client:

Hall Environmental Analysis Laboratory, Inc.

WO#: **2203E30** *06-Apr-22*

Project: Gerard A	AW Battery		
Sample ID: LCS-66503	SampType: LCS	TestCode: EPA Method	l 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 66503	RunNo: 86887	
Prep Date: 3/30/2022	Analysis Date: 3/31/2022	SeqNo: 3069714	Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	46 10 50.00	0 91.7 68.9	135
Surr: DNOP	4.0 5.000	79.8 51.1	141
Sample ID: LCS-66511	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 66511	RunNo: 86887	
Prep Date: 3/30/2022	Analysis Date: 3/31/2022	SeqNo: 3069716	Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	44 10 50.00	0 88.0 68.9	135
Surr: DNOP	3.8 5.000	75.7 51.1	141
Sample ID: MB-66503	SampType: MBLK	TestCode: EPA Method	l 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 66503	RunNo: 86887	
Prep Date: 3/30/2022	Analysis Date: 3/31/2022	SeqNo: 3069717	Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	ND 10		
Motor Oil Range Organics (MRO)	ND 50		
Surr: DNOP	9.6 10.00	96.4 51.1	141
Sample ID: MB-66511	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 66511	RunNo: 86887	
Prep Date: 3/30/2022	Analysis Date: 3/31/2022	SeqNo: 3069719	Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	ND 10		
Motor Oil Range Organics (MRO)	ND 50		
Surr: DNOP	9.7 10.00	97.4 51.1	141
Sample ID: 2203E30-019AMS	S SampType: MS	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: 3071863	Units: mg/Kg

Qualifiers:

Analyte

Surr: DNOP

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

Diesel Range Organics (DRO)

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

Result

880

8.3

PQL

49

B Analyte detected in the associated Method Blank

866

168

LowLimit

36.1

51.1

HighLimit

154

141

%RPD

E Estimated value

SPK value SPK Ref Val %REC

453.1

49.46

4.946

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

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RPDLimit

Qual

S

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

2203E30 06-Apr-22

WO#:

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

Sample ID: Ics-66469

•								_		
Client ID: LCSS	Batc	h ID: 66	469	F	RunNo: 8	6896				
Prep Date: 3/29/2022	Analysis [Date: 3/	31/2022	5	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	Samp	уре: М	BLK	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	е	
Client ID: PBS	Batc	h ID: 66	469	F	RunNo: 8	6896				
Prep Date: 3/29/2022	Analysis [Date: 3/	31/2022	5	SeqNo: 3	069855	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		103	37.7	212			
Sample ID: Ics-66482	Samp	ype: LC	s	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID: LCSS	Batc	h ID: 66	482	F	RunNo: 8	6896				
Prep Date: 3/29/2022	Analysis [Date: 3/	31/2022	5	SeqNo: 3	069888	Units: mg/k	(g		
	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Analyte	Result									
Analyte Gasoline Range Organics (GRO)	26	5.0	25.00	0	104	72.3	137			

TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS	Batch	ID: 66 4	482	F	RunNo: 8	6896				
Prep Date: 3/29/2022	Analysis D	ate: 4/	1/2022	S	SeqNo: 3	069889	(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	37.7	212			

Sample ID: 2203e30-019ams	SampT	SampType: MS TestCode: EPA Method 8015D: Gasoline Range								
Client ID: BH-35	Batch	ID: 66 4	482	F	RunNo: 8	6896				
Prep Date: 3/29/2022	Analysis D	ate: 4/	1/2022	8	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 8015D: Gasoline Range

Client ID: BH-35 RunNo: 86896 Batch ID: 66482

Prep Date: 3/29/2022 Analysis Date: 4/1/2022 SeqNo: 3069895 Units: mg/Kg

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- 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#: **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 0 130 2.74 20 Gasoline Range Organics (GRO) 28 5.0 24.75 113 70 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	ype: LC	s	Tes	tCode: El	PA Method	8021B: Vola	tiles					
Client ID: LCSS	Batch	n ID: 66 4	469	F	RunNo: 8	6896							
Prep Date: 3/29/2022	Analysis D	Date: 3/3	31/2022	\$	SeqNo: 3069902 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	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	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batcl	n ID: 66	469	F	RunNo: 8	6896				
Prep Date: 3/29/2022	Analysis D	Date: 3/	31/2022	2022 SeqNo: 3069903 Ui				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	0.86		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	h ID: 66 4	482	F	RunNo: 8	6896				
Prep Date: 3/29/2022	Analysis D	Date: 3/	31/2022	8	SeqNo: 3	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	TestCode: EPA Method 8021B: Volatiles					
Client ID: PBS	Batch	n ID: 66 4	482	F	RunNo: 8	6896				
Prep Date: 3/29/2022	Analysis D	oate: 4/	1/2022	8	SeqNo: 3	069937	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	0.81		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	3	Tes	tCode: El	iles				
Client ID: BH-36	Batcl	h ID: 66 4	482	F	RunNo: 8	6896				
Prep Date: 3/29/2022	Analysis D	Date: 4/	4/1/2022 SeqNo: 3069943					(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%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: 2203e30-020amse	d SampT	уре: МS	SD	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: BH-36	Batch	n ID: 66 4	482	F	RunNo: 8	6896				
Prep Date: 3/29/2022	Analysis D	Date: 4/	1/2022	S	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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LABORATORY

Hall Environmental Analysis Laboratory 4901 Hawkins NE

Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Sample Log-In Check List

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 V No 🗌 6. Sufficient sample volume for indicated test(s)? No 🗌 Yes V 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? No 🗌 Yes 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 🗸 No L 13. Is it clear what analyses were requested? Yes V No Checked by: 173/78/22 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 NA V No L Person Notified: Date: By Whom: eMail Phone Fax In Person Via: Regarding: Client Instructions: 16. Additional remarks: 17. Cooler Information Cooler No Temp °C Condition Seal Intact Seal No Seal Date Signed By 5.1 Good Yes 2 5.8

Page 1 of 1

Good

Yes

Chain-	-of-Cus	Chain-of-Custody Record	Turn-Around Time:	Time:				-	6	П	7114	Č	e Handard Control of the Control of	
Client: GHD			☑ Standard		TRUSH S ORLY			_ «	NA	ı K	SIS		ANALYSIS LABORATORY	TAN AND
			Project Name:						www.hallenvironmental.com	allen	ironn	nental	com	
Mailing Address:	92		General	Aw	Battery		1901	Hawk	4901 Hawkins NE	- 1	enbno	erque,	Albuquerque, NM 87109	
2135 S. Loop 250 W. Midland, TX 79703	50 W. Midlar		Project #:				Tel. 5	05-34	Tel. 505-345-3975		Fax	505-34	Fax 505-345-4107	<i>o</i> , a <i>o</i>
Phone #:	(432) 686-0086	0086	2211	2976					H	Anal	ysis	Analysis Request	st	
email or Fax#:	Becky. Has	Becky.Haskell@ghd.com	Project Manager:	ger:						[†] O5				
QA/QC Package:			Becky Haskell				111		SW	3 '*(
□ Standard		□ Level 4 (Full Validation)	Tom Larson	1) s,e	200		IIS0	Dd '				
Accreditation:	☐ Az Compliance	pliance	Sampler:	Heath Boyd			200		728	10 ^s		7		
□ NELAC	□ Other		On Ice:	X Yes	□ No					_			10	
□ EDD (Type)			# of Coolers:	2						_			N 0	
			Cooler Temp	Cooler Temp(including CF): 5.1	- B 2 S.1								00.	
Timo	Virte M	Sample Name	Container Type and #	S.8 Preservative Tvne	-Ø マS.8 HEAL No.	2002.10	108:HG	M) 80	d sHA	3, F, B	V) 09Z	270 (5	ebinold:	
100	_		402.56/	4/4	1001	_				_		1		
, 1105	1 -		1	_	7001	<u>У</u>	_						× ×	
01)1	(*)	124-25			7003	X							×	
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1305		72-40			1007	义	3					×		
1310	(5)	84-28			900	X	AL.					乂		
1315	127)	BH-29			700-	X	义					X		
1400	سّا	124-30			7007-	X X	V					X		
SOHI	יאן	BH-31			600-	\ X	X					^		
0281 /	- Part	Bi Damp - 3			019-	X X						ス		
S251 X	λ	Ramp - 4	, γ	4	120-	X	<u> </u>					×		
Date: Time: 3/28/22 1730	Relinquished by:	by:	Received by:	Via:	3/36/39 1730	ž	emark To	s: Ple m.Lai	ase er son@	mail: (ghd.c	Shase om; Z	Settl ach.C	Remarks: Please email: Chase_Settle@eogresources.com; Tom.Larson@ghd.com; Zach.Comino@ghd.com;	s.com; n;
Date: Time:	Relinquished by:	by:	Received by:	Via:	Date Time 13:50		ממ	1. BOJ	Direct	Bill t	above 5 EOG	g with re. G Cha	neath boyd@gina.com Along with bedry itaskell listed above. Direct Bill to EOG Chase Settle	Page
Frecessary	samples submit	100 (100 menta) amples submitted to Hall Environmental may be september to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.	contracted to other a	ccredited laboratorie	Suc Z	ilidissod	ty. Any	sub-con	tracted d	ata will b	e clearl	y notated	on the analytical report	

Released to Imaging: 6/1/2022 10:31:12 AM

Please Email: Amber-Griffing egg resources. Com so

Pall Environmentation	J	hain	J-Jo-	Chain-of-Custody Record	Turn-Around	Time:								
Project Name: Project Name	Client:	GHD			_ ☑ Standaro		VOS.			HAL			RONMER	
12 \(\triangle \triangl					Project Nam	2			_			ח	ADORA	
12 \(\text{Coop} \)	Mailing	Addres	is.		Geran	Z	Battery	490	Haw	rins NE	, 4		ital.com	
17 2 2 2 2 2 2 2 2 2 2 2 2	2135 S	Loop 2	50 W. Mic	Iland, TX 79703	Project #:			Ţ.	1. 505-3	45-397		ax 506	5-345-4107	
Project Manager: Project Man	Phone	#:	(432) 68	9800-9			76				Analy	sis Re	quest	
Secretary Haskell Secr	email o	r Fax#:	Becky.H	laskell@ghd.com	Project Mana	iger:		_			р _С			
The contract of the contract	QA/QC	Package			Becky Haske	7			s,g	SM	S '*(
The compliance Sampler Health Boyd Sampler Sample	□ Star	ndard		□ Level 4 (Full Validation)	Tom Larson				ьс	IISO	ЬО	_		
Type	Accred	itation:	□ Az Co	mpliance	Sampler:	Heath Boyd					' ^z O			
Type # of Coolers 2	□ NEL	AC	□ Other		On Ice:	X Yes	No 🗆		_	3 10	_	(A(
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Please Email! Amber_Griffing eogiesownees.com

Chain-of-Custody Record	Turn-Around Time:	8.
Client: GHD	Standard Rush Coc	
	Project Name:	DRATORY
Mailing Address:	Genera An Battery	
2135 S. Loop 250 W. Midland, TX 79703	Project #:	- Abuquelque, NMI 87109
Phone #: (432) 686-0086	76622211	rax 305-345-4107
email or Fax#: Becky.Haskell@ghd.com	Project Manager:	\psi_(C
QA/QC Package:	Becky Haskell	CB,a
□ Az Con	Sample: Heath Boxd	090 PSO
□ NELAC □ Other		08/2 1.40 16.40 18.30 10.40 10
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incocostry, samples submitted to trail Euritoinnental may gestiod	contracted to other accredited laboratories. This serves as motice of thi	in recessary, samples submitted to rial Euritomental may be subcontracted to other accredited laboratones. This serves as motion 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 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 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-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 ORGA	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 ORGA	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 ORGA	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

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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	ANICS				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	: ЈМТ
Chloride	2700	150	mg/Kg	50	4/6/2022 5:21:48 PM	66638
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				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	: ЈМТ
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	: ЈМТ
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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Hall Environmental Analysis Laboratory, Inc.

WO#: **2203F69**

11-Apr-22

Client: GHD Midland
Project: Gerard AW Battery

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: mq/Kq

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

Chloride ND 1.5

Sample ID: LCS-66638 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 66638 RunNo: 87038

Prep Date: 4/5/2022 Analysis Date: 4/6/2022 SeqNo: 3077761 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

Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

H Holding times for preparation 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-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 HighLimit %RPD **RPDLimit** Qual Analyte Result LowLimit 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 ND 50

Motor Oil Range Organics (MRO) Surr: DNOP 8.9 10.00 88.8 51.1 141

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#: **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 Batch ID: 66501 RunNo: 86898

Prep Date: 3/30/2022 Analysis Date: 3/31/2022 SeqNo: 3070030 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Gasoline Range Organics (GRO) 27 5.0 25.00 0 107 72.3 137

 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 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#: **2203F69** *11-Apr-22*

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: LCS-66501	SampT	ype: LC	S	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batch	n ID: 66	501	F	RunNo: 8	6898				
Prep Date: 3/30/2022	Analysis Date: 3/31/2022			8	SeqNo: 3	070054	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	88.4	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	Samp	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles							e: MBLK TestCode: EPA Method 8021B: Volatiles				
Client ID: PBS	Batch ID: 66501			3S Batch ID: 66501 RunNo: 86				ID: 66501 RunNo: 86898								
Prep Date: 3/30/2022	Analysis [Date: 3/	31/2022	8	SeqNo: 3070055 Units: mg/Kg		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
- 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 Number: 2203F69 RcptNo: 1 Received By: Juan Rojas 3/30/2022 9:15:00 AM Sean Livingston Completed By: 3/30/2022 9:47:45 AM Reviewed By: 70 3/30/22 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? No 🗌 Yes V NA 🗌 No 🗌 4. Were all samples received at a temperature of >0° C to 6.0°C Yes V NA 🗌 Sample(s) in proper container(s)? Yes V No 🗌 Sufficient sample volume for indicated test(s)? Yes V No 🗌 7. Are samples (except VOA and ONG) properly preserved? Yes 🗸 No 🗌 8. Was preservative added to bottles? No V NA L Yes 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 L for pH: (Note discrepancies on chain of custody) (<2 or >12 unless noted) Adjusted? 12. Are matrices correctly identified on Chain of Custody? No 🗌 Yes 13. Is it clear what analyses were requested? Yes V No 🗌 3/30/22 No 🗌 Checked by: TMC 14. Were all holding times able to be met? Yes 🗸 (If no, notify customer for authorization.) Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? No 🗌 Yes _ 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 0.3 Good

Plase Email: Amber Griffing eoglesources. Com

Released to Imaging: 6/1/2022 10:31:12 AM



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**

Date Reported: 4/12/2022

Hall Environmental Analysis Laboratory, Inc.

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

Result **RL Oual Units DF** Date Analyzed **Batch** Analyses **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 ORGANICS** Analyst: TOM Diesel Range Organics (DRO) ND 9.7 mg/Kg 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 4/4/2022 5:26:34 PM 66587 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: BRM 4/4/2022 8:51:00 PM Gasoline Range Organics (GRO) ND 66561 4.6 mg/Kg Surr: BFB 98.7 37.7-212 %Rec 4/4/2022 8:51:00 PM 66561 **EPA METHOD 8021B: VOLATILES** Analyst: BRM ND 0.023 4/4/2022 8:51:00 PM 66561 Benzene mg/Kg Toluene ND 0.046 mg/Kg 4/4/2022 8:51:00 PM 66561 Ethylbenzene ND 0.046 mg/Kg 4/4/2022 8:51:00 PM 66561 Xylenes, Total ND 0.092 mg/Kg 4/4/2022 8:51:00 PM 66561 Surr: 4-Bromofluorobenzene 70-130 66561 80.4 %Rec 4/4/2022 8:51:00 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 **2203G95**

Date Reported: 4/12/2022

Hall Environmental Analysis Laboratory, Inc.

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	SANICS				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

Hall Environmental Analysis Laboratory, Inc. Date Reported: 4/12/2022

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	ANICS					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	ANICS				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 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-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	ANICS				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**Date Reported: **4/12/2022**

Hall Environmental Analysis Laboratory, Inc.

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	: ЈМТ
Chloride	520	60	mg/Kg	20	4/6/2022 7:13:59 PM	66684
EPA METHOD 8015M/D: DIESEL RANGE ORG				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				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				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 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**

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	SANICS				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				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				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.

2203G95

WO#:

12-Apr-22

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

Sample ID: MB-66587	SampT	ype: ME	BLK	Tes	TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: PBS	Batch	ID: 66	587	R	tunNo: 80	6952				
Prep Date: 4/1/2022	Analysis D	ate: 4/	4/2022	S	eqNo: 30	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 (MRC) ND	50								
Surr: DNOP	8.3		10.00		82.6	51.1	141			
Sample ID: LCS-66587	SampT	ype: LC	s	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	Organics	
Client ID: LCSS	Batch	ID: 66	587	R	unNo: 80	6952				
Prep Date: 4/1/2022	Analysis D	ate: 4/	4/2022	S	eqNo: 30	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: 2203G95-012	AMS SampT	уре: М \$	6	Tes	Code: EF	PA Method	8015M/D: Die	esel Range	Organics	
Client ID: SWX-15	Batch	ID: 66	634	R	unNo: 87	7034				
Prep Date: 4/5/2022	Analysis D	ate: 4/	6/2022	S	eqNo: 30	077248	Units: mg/K	(g		
Analyte	Danult	DOL	SPK value	CDV Dof Vol	N/DEC	Lowl imit	HighLimit	0/ DDD	DDDI :it	0
	Result	PQL	Of It value	SPK Kei vai	%REC	LOWLIIIII	riigniiiiiii	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	54	9.3	46.38	11.39	91.1	36.1	154	%RPD	RPULIMIT	Quai
Diesel Range Organics (DRO) Surr: DNOP								%RPD	RPDLIMIT	Quai
• • , ,	54 4.0	9.3	46.38 4.638	11.39	91.1 86.5	36.1 51.1	154			Quai
Surr: DNOP	54 4.0 2AMSD SampT	9.3	46.38 4.638	11.39 Tes	91.1 86.5	36.1 51.1 PA Method	154 141			Quai
Surr: DNOP Sample ID: 2203G95-012	54 4.0 2AMSD SampT	9.3 ype: M \$	46.38 4.638 SD 634	11.39 Tes	91.1 86.5 Code: EF	36.1 51.1 PA Method 7034	154 141	esel Range		Qual
Sample ID: 2203G95-012 Client ID: SWX-15	54 4.0 AMSD SampT Batch	9.3 ype: M \$	46.38 4.638 6D 634 6/2022	11.39 Tes	91.1 86.5 Code: EF LunNo: 8 7	36.1 51.1 PA Method 7034	154 141 8015M/D: Di e	esel Range		Qual
Surr: DNOP Sample ID: 2203G95-012 Client ID: SWX-15 Prep Date: 4/5/2022	54 4.0 AMSD SampT Batch Analysis D	9.3 ype: M\$ a ID: 66 ate: 4/	46.38 4.638 6D 634 6/2022	11.39 Tes: R S	91.1 86.5 Code: EF LunNo: 8 7	36.1 51.1 PA Method 7034 077249	154 141 8015M/D: Die Units: mg/K	esel Range	e Organics	
Surr: DNOP Sample ID: 2203G95-012 Client ID: SWX-15 Prep Date: 4/5/2022 Analyte	54 4.0 RAMSD SampT Batch Analysis D	9.3 ype: M \$ i ID: 66 ate: 4/	46.38 4.638 6D 634 6/2022 SPK value	11.39 Tes: R S SPK Ref Val	91.1 86.5 Code: EF sunNo: 8 seqNo: 3 6	36.1 51.1 PA Method 7034 D77249 LowLimit	154 141 8015M/D: Die Units: mg/K HighLimit	esel Range g %RPD	e Organics RPDLimit	
Surr: DNOP Sample ID: 2203G95-012 Client ID: SWX-15 Prep Date: 4/5/2022 Analyte Diesel Range Organics (DRO)	54 4.0 RAMSD SampT Batch Analysis D Result 62	9.3 yype: M3 ID: 66 ate: 4/ PQL 9.6	46.38 4.638 6D 634 6/2022 SPK value 47.98 4.798	Tes: R S SPK Ref Val 11.39	91.1 86.5 Code: EF SunNo: 83 SeqNo: 36 %REC 106 97.0	36.1 51.1 PA Method 7034 077249 LowLimit 36.1 51.1	154 141 8015M/D: Did Units: mg/K HighLimit	esel Range (g %RPD 15.2 0	RPDLimit 33.9 0	
Surr: DNOP Sample ID: 2203G95-012 Client ID: SWX-15 Prep Date: 4/5/2022 Analyte Diesel Range Organics (DRO) Surr: DNOP	AMSD SampTy Batch Analysis D Result 62 4.7 SampTy	9.3 yype: M3 ID: 66 ate: 4/ PQL 9.6	46.38 4.638 6D 634 6/2022 SPK value 47.98 4.798	Tesi R S SPK Ref Val 11.39	91.1 86.5 Code: EF SunNo: 83 SeqNo: 36 %REC 106 97.0	36.1 51.1 PA Method 7034 077249 LowLimit 36.1 51.1	154 141 8015M/D: Did Units: mg/K HighLimit 154 141	esel Range (g %RPD 15.2 0	RPDLimit 33.9 0	

Qualifiers:

Analyte

Surr: DNOP

Diesel Range Organics (DRO)

- 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

PQL

10

Result

52

5.1

Analyte detected in the associated Method Blank

103

102

LowLimit

68.9

51.1

HighLimit

135

141

%RPD

RPDLimit

Qual

Estimated value

SPK value SPK Ref Val %REC

50.00

5.000

- Analyte detected below quantitation limits
- 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-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 SegNo: 3077299 Units: mg/Kg

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

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

Surr: DNOP 10 10.00 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 PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Surr: DNOP 5.1 5.000 101 51.1 141

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

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

WO#:

12-Apr-22

Client:	GHD Midland
Project:	Gerard AW Battery

Project: Gerard A	w Battery									
Sample ID: Ics-66561	SampTyp	e: LC	s	Test	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID: LCSS	Batch I	D: 66	561	R	tunNo: 80	6973				
Prep Date: 4/1/2022	Analysis Dat	e: 4/	4/2022	S	SeqNo: 30	073301	Units: mg/k	(g		
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	SampTyp	e: ME	BLK	Test	tCode: EF	PA Method	8015D: Gaso	line Rang	е	
Client ID: PBS	Batch I	D: 66	561	R	tunNo: 80	6973				
Prep Date: 4/1/2022	Analysis Dat	e: 4/	4/2022	S	SeqNo: 30	073302	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	950		1000		94.8	37.7	212			
Sample ID: Ics-66572	SampTyp	e: LC	s	Test	tCode: EF	PA Method	8015D: Gaso	line Rang	е	
Client ID: LCSS	Batch I	D: 66	572	R	lunNo: 80	6973				
Prep Date: 4/1/2022	Analysis Dat	e: 4/	5/2022	S	SeqNo: 30	073325	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val		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	SampTyp	e: ME	BLK	Test	tCode: EF	PA Method	8015D: Gaso	line Rang	е	
Client ID: PBS	Batch I	D: 66	572	R	tunNo: 80	6973				
Prep Date: 4/1/2022	Analysis Dat	e: 4/	5/2022	S	SeqNo: 30	073326	Units: mg/k	ίg		
Analyte			SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND 050	5.0	1000		04.7	27.7	242			
Surr: BFB	950		1000		94.7	37.7	212			
Sample ID: 2203g95-012ams	SampTyp	e: MS	3	Test	tCode: EF	PA Method	8015D: Gaso	line Rang	е	
Client ID: SWX-15	Batch I	D: 66	572	R	tunNo: 80	6973				
Prep Date: 4/1/2022	Analysis Dat	e: 4/	5/2022	S	SeqNo: 30	073328	Units: mg/k	(g		
Analyte	Result			SPK Ref Val	%REC		HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	4.7	23.47	0	110	70	130			
Surr: BFB	2000		939.0		211	37.7	212			
Sample ID: 2203g95-012amsc	I SampTyp	e: MS	SD	Test	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID: SWX-15	Batch I	D: 66	572	R	tunNo: 80	6973				
Prep Date: 4/1/2022	Analysis Dat	e: 4/	5/2022	S	SeqNo: 30	073329	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
- 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 0 70 130 4.90 20 Gasoline Range Organics (GRO) 25 4.7 23.36 105 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	Samp	Type: LC	S	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: LCSS	Batc	h ID: 66	561	F	RunNo: 80	6973				
Prep Date: 4/1/2022	Analysis D	Date: 4/4	4/2022	S	SeqNo: 30	073339	Units: mg/K	(g		
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	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	d 8021B: Volatiles					
Client ID: PBS	Batch	n ID: 66	561	F	RunNo: 80	6973						
Prep Date: 4/1/2022	Analysis D	ate: 4/	4/2022	8	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	Sampl	ype: LC	S	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batc	n ID: 66	572	F	RunNo: 80	6973				
Prep Date: 4/1/2022	Analysis [Date: 4/	5/2022	8	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	0 87.0 80					
Surr: 4-Bromofluorobenzene	0.79		1.000		79.1	70	130			

Sample ID: mb-66572	SampT	уре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batch	n ID: 66	572	F	RunNo: 80	6973				
Prep Date: 4/1/2022	Analysis D	oate: 4/	5/2022	8	SeqNo: 30	073364	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		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 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: 2203g95-013ams	Samp	Гуре: М S	3	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: SW-15	Batc	h ID: 66	572	F	RunNo: 8	6973				
Prep Date: 4/1/2022	Analysis D	Date: 4/	5/2022	S	SeqNo: 3	073367	Units: mg/K	(g		
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	sd Samp	Туре: М\$	SD	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: SW-15	Batc	h ID: 66	572	F	RunNo: 8	6973				
Prep Date: 4/1/2022	Analysis [Date: 4/	5/2022	\$	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
- 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 Nun	nber: 220	3G95			RcptNo: 1
Received By: Juan Rojas	3/31/2022 9:05:00	AM		Hun	13.9	
	3/31/2022 10:43:3					
Reviewed By: Sec 3/31/77		-1011				
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 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		
5. Sufficient sample volume for indicated test(s)?		Yes	V	No	ĺ.	
'. Are samples (except VOA and ONG) properly pr	reserved?	Yes	V	No		
B. Was preservative added to bottles?		Yes		No		NA 🗆
. Received at least 1 vial with headspace <1/4" fo	r AQ VOA?	Yes		No		NA 🗹
0. Were any sample containers received broken?		Yes		No	V	
						# of preserved bottles checked
Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes	V	No		for pH:
2. Are matrices correctly identified on Chain of Cus	tody?	Yes	V	No		(<2 of >12 unless noted) Adjusted?
Is it clear what analyses were requested?			V	No		
4. Were all holding times able to be met? (If no, notify customer for authorization.)			V	No		Checked by: KRG 3/31
pecial Handling (if applicable)						
5. Was client notified of all discrepancies with this	order?	Yes		No		NA 🗹
Person Notified:	Date:		-	(a)	mana-	
By Whom:	Via:	eMa	ر 🗀 ان	Phone	Fax	In Person
Regarding:		CIVIC		none _	I ax	in reison
Client Instructions:	**********		_	-		
6. Additional remarks:	-1					
7. Cooler Information						
Cooler No Temp °C Condition Seal I	ntact Seal No	Seal Da	ite	Signed I	Зу	
1 1.8 Good Yes						

ı									1					
Client: (GHD			☑ Standard	∰ Rush	5 Day			[ANAL		¥ -	HALL ENVIKONMENTAL ANALYSTS LABODATODY	TOPY
				Project Name:		11			•	Manus bellenvironmental com				
Mailing Address:	Address	16		Gerard	AW	Battery		4901 F	4901 Hawkins NE -	NE -			Albuquerque NM 87109	
2135 S. I	Loop 2	50 W. Mid	2135 S. Loop 250 W. Midland, TX 79703	Project #:				Tel. 5(505-345-3975	-3975		< 505	Fax 505-345-4107	
Phone #:		(432) 686-0086	9-0086	7(12	1155 2876					4	nalysi	Analysis Request	lest	
email or Fax#:	Fax#:	Becky.H.	Becky. Haskell@ghd.com	Project Manager:	ger:			(0			⁷ О			
QA/QC Package: □ Standard	ackage: ard		☐ Level 4 (Full Validation)	Becky Haskell Tom Larson	_				CIVIO	SIVIIC	PO4, S			
Accreditation:	ation:	□ Az Co		Sampler:	Heath Boyd				4	0/70	' ^z ON	(
□ NELAC	2 1	□ Otner		On Ice:	A Yes	No	200				'٤(AO.	N	
EDD	(adkı)			# of Coolers: (Cooler Temp(including CF):	(Including CF): 2	1-6.3-1.8	40,000	212 000					300	
Date T	Time	Matrix	Sample Name	Container Type and #	Preservative Type	1	\X3T8	108:H91 8081 Peg	EDB (We	PAHs by	CI, F, Br 8260 (VC	eS) 0728	əbinold	
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5021 22/62/	200	R	5	Wenn	3	3/30/22 700		Ton	1.Larso	n@ghc	Lcom;	Zach.	Tom.Larson@ghd.com; Zach.Comino@ghd.com;	som;
Date: Ti	Time:	Relinquished by:	d by:	Received by:	Via:	Date Time		neall.	Doyale	ggna.c	E de	Along with	neam.boyu@gna.com Along with becky haskell listed above	II listed
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3	2	Chain-or-Custody Record		. ime					I	HAII		IVI	ENVIDONMENTAL	ENTA
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1 1			Cherand		Aw Battery		490	T	www.ns	w.hall	envir	onme	www.hallenvironmental.com	a
-	W. Midl.	2135 S. Loop 250 W. Midland, TX 79703	Project #:				<u>a</u>	505	505-345-3975	3975		Fay 50	505-345-4107	D
11.7	(432) 686-0086	-0086)/	966827	91					⋖	nalys	is Re	Analysis Request	
	ecky.Ha	Becky. Haskell@ghd.com	Project Manager:	ager:		(((-	-		* (
		☐ Level 4 (Full Validation)	Becky Haskell Tom Larson) -		1208) \$) / WBC	CBis	SWIS		OS "*Oc			
	□ Az Con	☐ Az Compliance	Sampler:	Heath Boyd	100	PAMT	ו סאכ				NO ₂ , F	- (
			# of Coolers:	<	00	/∃E\	ово				,£O	AO\	-	
			Cooler Temp(including CF):	(including CF):	2-1-6-3-1-8	T I	12D(_		1000	
	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	N X ETEX /	08:H9T	90 1808	M) BD3	8 ARDF	CI, F, B	V) 0928	əbiroldC	
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-	Relinquished by:	by:	Received by:	Via:	Date Time	-	Rem	arks:	Pleas	e em	H: A	- le	Remarks: Please email: Amber_Griffin@eogresources.com,	esources.co
- 1	A.	Ď.	MALLIN	M	2		Cha	se_S	ettle@	eogre	sour	Ses.cc	Chase_Settle@eogresources.com; Tom.Larson@ghd.com;	on@ghd.co
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· Mary	Pini	(THE	MILIONA	うりついらつ	t			3	+00.	77 11:0	001	Direct Bill to EOG Chase Soule	

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

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order 2204837

Date Reported: 4/25/2022

Hall Environmental Analysis Laboratory, Inc.

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					Analyst	: CAS
Chloride	1900	60	mg/Kg	20	4/21/2022 3:10:09 AM	66958
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	:: 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					Analyst	: 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					Analyst	: 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

CLIENT: GHD Midland

Analytical Report

Lab Order 2204837

Date Reported: 4/25/2022

Hall Environmental Analysis Laboratory, Inc.

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					Analys	: CAS
Chloride	1800	60	mg/Kg	20	4/21/2022 3:22:33 AM	66958
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	t: 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					Analys	: 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					Analys	: 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.

51

3.3

10

49.75

4.975

2204837 25-Apr-22

WO#:

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

	TW Buttery									
Sample ID: MB-66943	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: PBS	Batch	1D: 66 9	943	F	RunNo: 87	7372				
Prep Date: 4/20/2022	Analysis D	ate: 4/ 2	20/2022	9	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	1D: 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/K	g		
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	SampT	ype: MS		Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: SW-6	Batch	1D: 66 9	943	F	RunNo: 87	7372				
Prep Date: 4/20/2022	Analysis D	ate: 4/ 2	20/2022	S	SeqNo: 30	092544	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	9.4	47.17	0	101	36.1	154			
Surr: DNOP	3.0		4.717		64.1	51.1	141			
Sample ID: 2204837-001AMSI	SampT	ype: MS	SD	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: SW-6	Batch	1D: 66 9	943	F	RunNo: 87	7372				
Prep Date: 4/20/2022	Analysis D	ate: 4/ 2	20/2022	5	SeqNo: 30	092546	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

Surr: DNOP

Diesel Range Organics (DRO)

- 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

103

66.1

0

36.1

51.1

154

141

7.17

0

- Sample pH Not In Range
- RLReporting Limit

Page 4 of 6

33.9

0

Hall Environmental Analysis Laboratory, Inc.

WO#: **2204837**

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: mq/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

 Surr: BFB
 950
 1000
 95.2
 37.7
 212

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) 24 25.00 97.0 72.3 137 Surr: BFB 2000 1000 200 37.7 212

SampType: MS Sample ID: 2204837-001ams 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 SPK value SPK Ref Val %REC %RPD **RPDLimit** Analyte Result **PQL** LowLimit HighLimit Qual

 Gasoline Range Organics (GRO)
 19
 3.9
 19.41
 0
 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: 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	SampT	SampType: MBLK TestCode: EPA Method 8				8021B: Volati	les			
Client ID: PBS	Batcl	n ID: D8 7	7386	F	RunNo: 87	7386				
Prep Date:	Analysis D	Date: 4/2	20/2022	SeqNo: 3091361			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	0.96		1.000		95.8	70	130			

Sample ID: 100ng btex Ics	Samp	ype: LC	s	TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batcl	n ID: D8 7	7386	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	SampType: MS TestCode: EPA Method 8021B: Volatiles									
Client ID: BH-16A	Batc	h ID: D8	7386	F	RunNo: 87						
Prep Date:	Analysis I	Date: 4/ 2	20/2022	;	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	SampType: MSD TestCode: EPA Method 8021B: Volatiles										
Client ID: BH-16A	Batch	n ID: D8 7	7386	F								
Prep Date:	Analysis D	Date: 4/2	20/2022	5	SeqNo: 30	91366	Units: mg/K	Jnits: 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
- 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 6

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

Sample Log-In Check List

	100 m	Website: wi	ew.halleny	ironmei	ntal.com	
Client Name:	GHD Midland	Work Order Nur	nber: 220	04837		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:	20	4/20/22				
Chain of Cus	stody					
1. Is Chain of C	custody complete?		Yes	· V	No 🗌	Not Present
2. How was the	sample delivered?		Cou	ırier		
Log In						
The second secon	npt made to cool the sa	amples?	Yes	V	No 🗆	NA 🗆
4. Were all samp	ples received at a temp	perature of >0° C to 6.0°C	Yes	V	No 🗌	NA 🗆
5. Sample(s) in	proper container(s)?		Yes	V	No 🗆	
6. Sufficient sam	nple volume for indicate	ed test(s)?	Yes	V	No 🗌	
7. Are samples (except VOA and ONG	properly preserved?	Yes	V	No 🗌	
8. Was preserva	tive added to bottles?		Yes		No 🔽	NA 🗌
9. Received at le	east 1 vial with headspa	ace <1/4" for AQ VOA?	Yes		No 🗌	NA 🗹
	mple containers receive		Yes		No 🗸	
	ork match bottle labels? ancies on chain of cust		Yes	V	No 🗆	# of preserved bottles checked for pH:
	correctly identified on C		Yes	V	No 🗌	(<2 or >12 unless noted) Adjusted?
	t analyses were reques		Yes	V	No 🗆	
	ng times able to be me ustomer for authorization		Yes	V	No 🗌	Checked by: Che 4/2012
	ing (if applicable)					
	tified of all discrepance		Yes		No 🗌	NA 🗹
Person	Notified:	Date				
By Who	m:	Via:	☐ eM	ail 🖂	Phone Fax	☐ In Person
Regardi	ng:				2 0 2 1 6 1 1 2 2 1	
Client In	structions:					
16. Additional ren	marks:					
17. <u>Cooler Inforr</u> Cooler No	mation Temp °C Condition	on Seal Intact Seal No	Seal D	ate	Signed By	
1	5.3 Good	Yes	ocai D	ui.	olyfied by	
2	3.4 Good	Yes				

eceived by	1600	0/20/2022 6:47:20 PM		4/19 1130	1/18 1000	Time	□ EDD (Type)	Accreditation:	□ Standard	QA/QC Package:	email or Fax#:	Phone #: 너3ፘ-	Mailing Address:	Page	lient	of 40 Chain-
Samples submitted I	$\langle \chi \rangle$	Relinquished by		V	V	Matrix		□ Az Co □ Other				868	217		V	of-C
If necessary, samples submitted to Hall Environmental may be subscribed to other accredited laboratories. This case is a submitted to other accredited laboratories. This case is a subscribed to other accredited laboratories.		od hv.		BH-16A	2M-8	Sample Name		Az Compliance Other	☐ Level 4 (Full Validation)			9800.	35 5 LOOP 250			Chain-of-Custody Record
Received by:	Received by:			×	402. Jr/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: ecu-				7	NA	Preservative	2		arson @ G	faskell @	nager:	76622	2		rd Rush	nd Time:
Date Time	Pate Time 4/19/22 /600			200	001	76.1:5.3 (° 8 6.1:34 HEAL No. 2204837	1	Boyd	200.COZ	Becky. Haskell @ GHD. Con			AU bettery		- 22 L	
Z E 2	Ren			x	X	BIEX / MTE	J BE/	TMB'	s (8)	021)		191		1		4
Carch. Com Hearth. Bo Billdirect	Remarks: Email: Amber-			×	X	TPH:8015D(_	-	-	4			
Con.	Srt.					8081 Pesticio	des	/8082	РСВ	3's		Tel. 505-345-3975	www.h 4901 Hawkins NE			
10 of 1000	+					EDB (Method	-)5-34	awk	•	7	
FOG R	0 3					PAHs by 831	-	r 8270	SIM	S		5-39	ns N	Z	HAL	
EOCH PHHY to MASS					-	RCRA 8 Met		NO	-	-	- 1	≥ 01	, <u>a</u>	ANALYSIS	F	
Att.	\$25 #:					Cl, F, Br, No 8260 (VOA)	J ₃ ,	NO_2 ,	PO_4	, SO	4 5	Fa	envir	S		
res. C	2000					8270 (Semi-\	/0/	1)		-	- 2	× 50	onme	S	3	
con	2 2					Total Coliforn	_	_	/Abs	sent	1 9	Fax 505-345-	ental.	5	R	
Lenth. Boyol@ FOG Resources, Com, Henth. Boyol@ FOG Resources, Com, Billdirect to EOCH AHAN to Masse	EOGRESONUS. Com,"			X,		Chloride				10	<u></u>	Fax 505-345-4107	environmental.com Alburguerque NM 87100	BO	N	
	anitiones. Com, Ton, Beau				+							7	100	LABORATORY	ENVIRONMENTAL	
	2000											1		0	ATA	
	7													A	F	



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	: CAS
Chloride	1900	60	mg/Kg	20	4/21/2022 3:10:09 AM	66958
EPA METHOD 8015M/D: DIESEL RANGE OR	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	: 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	SANICS				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.

WO#:

2204837 25-Apr-22

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

0 1 1 1 1 1 1 1 1 1									
Sample ID: MB-66943	SampType	MBLK	I es	Code: EF	'A Method	8015M/D: Die	sel Range	Organics	
Client ID: PBS	Batch ID:	66943	R	tunNo: 87	7372				
Prep Date: 4/20/2022	Analysis Date:	4/20/2022	5	SeqNo: 30	92540	Units: mg/k	(g		
Analyte	Result Po	QL 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	Tes	tCode: EF	A Method	8015M/D: Die	sel Range	Organics	
Client ID: LCSS	Batch ID:	66943	R	unNo: 87	7372				
Prep Date: 4/20/2022	Analysis Date:	4/20/2022	S	SeqNo: 30	92541	Units: mg/k	(g		
Analyte	Result Po	QL 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	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: SW-6	Batch ID:	66943	R	unNo: 87	7372				
Prep Date: 4/20/2022	Analysis Date:	4/20/2022	S	SeqNo: 30	92544	Units: mg/k	(g		
Analyte	Result Po	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	9.4 47.17	0	101	36.1	154			
Surr: DNOP	3.0	4.717		64.1	51.1	141			
Sample ID: 2204837-001AMSD	SampType	MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: SW-6	Batch ID:	66943	RunNo: 87372						

SPK value SPK Ref Val

0

49.75

4.975

Qualifiers:

Prep Date:

Surr: DNOP

Diesel Range Organics (DRO)

Analyte

4/20/2022

Analysis Date: 4/20/2022

PQL

10

Result

51

3.3

- 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

SeqNo: 3092546

LowLimit

36.1

51.1

%REC

103

66.1

Units: mg/Kg

154

141

HighLimit

%RPD

7.17

0

RPDLimit

33.9

0

Qual

- 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#: **2204837 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: mq/Kq

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

Gasoline Range Organics (GRO) ND 5.0

Sample ID: 2204837-001ams

 Surr: BFB
 950
 1000
 95.2
 37.7
 212

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) 24 25.00 97.0 72.3 137

TestCode: EPA Method 8015D: Gasoline Range

 Surr: BFB
 2000
 1000
 200
 37.7
 212

Client ID: SW-6 Batch ID: A87386 RunNo: 87386

SampType: MS

Prep Date: Analysis Date: 4/20/2022 SeqNo: 3091330 Units: mg/Kg

SPK value SPK Ref Val %REC %RPD **RPDLimit** Analyte Result **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: 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 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#: **2204837 25-Apr-22**

Client:	GHD Midland
Project:	Gerard AW Battery

Sample ID: mb	SampT	Гуре: МЕ	BLK	Tes	tCode: EF	les				
Client ID: PBS	Batcl	Batch ID: D87386			RunNo: 87					
Prep Date:	Analysis D	Analysis Date: 4/20/2022			SeqNo: 30	091361	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	0.96		1.000		95.8	70	130			

Sample ID: 100ng btex Ics	Samp1	Гуре: LC	TestCode: EPA Method 8021B: Volatiles									
Client ID: LCSS	Batcl	h ID: D8 7	7386	F	RunNo: 87	7386						
Prep Date:	Analysis [Date: 4/2	20/2022	5	SeqNo: 30	091362	Units: mg/K	mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	0.93	0.025	1.000	0	92.6	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					

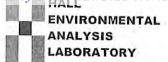
Sample ID: 2204837-002ams	Samp	SampType: MS TestCode: EPA Method 8021B: Volatiles								
Client ID: BH-16A	Bato	ch ID: D8	7386	F	RunNo: 8					
Prep Date:	Analysis	Date: 4/ 2	20/2022	5	SeqNo: 30	091365	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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	ype: MS	D	Tes	tCode: EF	iles				
Client ID: BH-16A	Batch	n ID: D8 7	7386	F	RunNo: 87	7386				
Prep Date:	Analysis D	Date: 4/2	20/2022	5	SeqNo: 30	91366	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	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

Page 6 of 6



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

Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: GHD Midland Work Order Number: 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: 16. Additional remarks: 17. Cooler Information Cooler No Temp °C Condition Seal Intact Seal No Seal Date Signed By 5.3 Good Yes 2 3.4 Good Yes

Page 1 of 1

Time: Rel	Time:	4/19 1130	000 RI/L	Time	☐ EDD (Type)	Accreditation:	☐ Standard	QA/QC Package:		Phone #: 432-	Mailing Address:	Page	lient	of 40 Chain-
Relinquished by: Musus Samples submitted to	Relinquished by:	8	Š	Matrix		□ Az Co □ Other				-898	213			of-C
Time: Relinquished by: All Decessary samples submitted to that I facility and the control of	d by:	BH-16A	Sw-6	Sample Name		Az Compliance Other	☐ Level 4 (Full Validation)			4800	S 5 LOOP 250			Chain-of-Custody Record
Received by:	Received by:	× (toz. Ja /	Cooler Temp(including CF): Container Preserva Type and # Type	# of Coolers:	Sampler: /-	-	Becky. H	Project Manager:	Project #:	W. Gera	Project Name:		Turn-Around Time:
Wia: Com	Via:	γ.	11/11	P(including CF): 5.2 3.3 Preservative Type	2		arson @ G	faskell @		282	في	ne:		nd Time:
4/19/22 1000 Date Time 4/20/22 7:46	Date, Time	002	001	7-16-17-5-3 (° 1-3-11-3-4 HEAL NO. 2204837	1	Boyd	200.COR	Becky. Haskell @ GHD. Con		V	AU Vottery		・シャトイ・	
25 5 E	Ren	x 7	X	BIEX / MTE	J BE/	TMB'	s (8)	021)		9		1		4
Chase, Suttle @ Conch. Comino@ of Hendh. Boyd@Fo Bill direct to El	Remarks: Email: Ambec-	× -		TPH:8015D(0				_	-	- 7]			
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10 to 1				EDB (Method	-)5-34	awk.	1	7	
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			-									4		



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

Surr: 4-Bromofluorobenzene

Analytical Report Lab Order 2204981

Date Reported: 4/29/2022

4/22/2022 1:29:00 PM

B87447

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

Result **RL Oual Units DF** Date Analyzed **Batch** Analyses **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 ORGANICS** Analyst: SB Diesel Range Organics (DRO) 10 mg/Kg 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 67012 102 51.1-141 %Rec 4/24/2022 3:11:50 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: BRM Gasoline Range Organics (GRO) 19 5 4/22/2022 1:29:00 PM A87447 17 mg/Kg Surr: BFB 187 37.7-212 %Rec 4/22/2022 1:29:00 PM A87447 **EPA METHOD 8021B: VOLATILES** Analyst: BRM ND 0.085 4/22/2022 1:29:00 PM B87447 Benzene mg/Kg 5 mg/Kg Toluene ND 0.17 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

96.1

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

Page 1 of 13

Gasoline Range Organics (GRO)

Surr: 4-Bromofluorobenzene

EPA METHOD 8021B: VOLATILES

Surr: BFB

Benzene

Toluene

Ethylbenzene

Xylenes, Total

Analytical Report Lab Order 2204981

Date Reported: 4/29/2022

4/22/2022 2:28:00 PM

A87447

A87447

B87447

B87447

B87447

B87447

B87447

Analyst: BRM

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

Result **RL Qual Units DF** Date Analyzed **Batch** Analyses **EPA METHOD 300.0: ANIONS** Analyst: LRN Chloride 3500 150 mg/Kg 50 4/25/2022 8:59:13 AM 67022 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) 10 mg/Kg 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 4/24/2022 3:35:22 PM 67012 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: BRM

3.4

37.7-212

0.017

0.034

0.034

0.068

70-130

mg/Kg

%Rec

mg/Kg

mg/Kg

mg/Kg

mg/Kg

%Rec

1

ND

117

ND

ND

ND

ND

84.7

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 13

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						Analyst	: MRA
Chloride	580	60		mg/Kg	20	4/22/2022 6:13:57 PM	67022
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS					Analyst	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						Analyst	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						Analyst	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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Date Reported: 4/29/2022

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 51.1-141 %Rec 4/24/2022 4:22:30 PM 67012 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: BRM

Gasoline Range Organics (GRO) ND 5 4/22/2022 3:47:00 PM 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 ND 0.082 4/22/2022 3:47:00 PM B87447 Benzene mg/Kg 5 mg/Kg Toluene ND 0.16 5 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 Surr: 4-Bromofluorobenzene 70-130 86.9 %Rec 4/22/2022 3:47:00 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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Ethylbenzene

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-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

Result **RL Oual Units DF** Date Analyzed **Batch** Analyses **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 ORGANICS** Analyst: SB Diesel Range Organics (DRO) 9.6 mg/Kg 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 4/24/2022 4:46:06 PM 67012 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: BRM Gasoline Range Organics (GRO) ND 4/22/2022 4:07:00 PM A87447 3.8 mg/Kg Surr: BFB 109 37.7-212 %Rec 4/22/2022 4:07:00 PM A87447 **EPA METHOD 8021B: VOLATILES** Analyst: BRM ND 0.019 4/22/2022 4:07:00 PM B87447 Benzene mg/Kg Toluene ND 0.038 mg/Kg 4/22/2022 4:07:00 PM B87447

ND

ND

86.6

0.038

0.076

70-130

mg/Kg

mg/Kg

%Rec

1

4/22/2022 4:07:00 PM

4/22/2022 4:07:00 PM

4/22/2022 4:07:00 PM

B87447

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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Date Reported: 4/29/2022

4/22/2022 4:26:00 PM

B87447

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

Result **RL Qual Units DF** Date Analyzed **Batch** Analyses **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 ORGANICS** Analyst: SB Diesel Range Organics (DRO) 9.7 mg/Kg 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 4/24/2022 5:09:40 PM 67012 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: BRM Gasoline Range Organics (GRO) ND 4/22/2022 4:26:00 PM A87447 3.4 mg/Kg Surr: BFB 105 37.7-212 %Rec 4/22/2022 4:26:00 PM A87447 **EPA METHOD 8021B: VOLATILES** Analyst: BRM ND 0.017 4/22/2022 4:26:00 PM B87447 Benzene mg/Kg Toluene ND 0.034 mg/Kg 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 4/22/2022 4:26:00 PM B87447 Surr: 4-Bromofluorobenzene 70-130

85.6

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
- 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

%Rec

- Sample pH Not In Range
- RL Reporting Limit

Page 6 of 13

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	: LRN
Chloride	3700	150	mg/Kg	50	4/25/2022 9:48:37 AM	67022
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				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

Page 7 of 13

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

Page 8 of 13

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 51.1-141 %Rec 4/24/2022 6:20:36 PM 67012 **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 ND 0.066 4/22/2022 7:24:00 PM B87447 Benzene mg/Kg 5 mg/Kg Toluene ND 0.13 5 4/22/2022 7:24:00 PM B87447 Ethylbenzene ND 0.13 mg/Kg 5 4/22/2022 7:24:00 PM B87447 Xylenes, Total ND 0.26 mg/Kg 5 4/22/2022 7:24:00 PM B87447 Surr: 4-Bromofluorobenzene 70-130 84.4 %Rec 4/22/2022 7:24:00 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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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 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#: **2204981 29-**Apr-22

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: MB-67012	SampT	уре: МВ	LK	Tes	TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch	n ID: 670	12	F	RunNo: 87	7468						
Prep Date: 4/22/2022	Analysis D	Date: 4/2	24/2022	5	SeqNo: 30	95129	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	ype: LC	S	TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch	n ID: 67 0	012	F	RunNo: 87	7468					
Prep Date: 4/22/2022	Analysis D	oate: 4/ 2	24/2022	SeqNo: 3095130			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.

WO#: **2204981**

29-Apr-22

Client: GHD Midland
Project: Gerard AW Battery

Project: Gerard A'	W Battery									
Sample ID: 2.5ug gro lcs	SampTy	/pe: LC	s	Tes	tCode: EF	PA Method	8015D: Gaso	line Range		
Client ID: LCSS	Batch	ID: A8	7447	F	RunNo: 87	7447				
Prep Date:	Analysis Da	ate: 4/ 2	22/2022	9	SeqNo: 30	094878	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	101	72.3	137			
Surr: BFB	2100		1000		211	37.7	212			
Sample ID: mb	SampTy	/pe: ME	BLK	Tes	tCode: EF	PA Method	8015D: Gaso	line Range		
Client ID: PBS	Batch	ID: A8	7447	F	RunNo: 87	7447				
Prep Date:	Analysis Da	ate: 4/ 2	22/2022	5	SeqNo: 30	094879	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		105	37.7	212			
Sample ID: 2204981-001ams	SampTy	/pe: MS	3	Tes	tCode: EF	PA Method	8015D: Gaso	line Range		
Client ID: SW-26	Batch	ID: A8	7447	F	RunNo: 87	7447				
Prep Date:	Analysis Da	ate: 4/ 2	22/2022	5	SeqNo: 30	094884	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	110	17	84.80	19.13	104	70	130			
Surr: BFB	10000		3392		296	37.7	212			S
Sample ID: 2204981-001amsd	SampTy	/pe: MS	SD	Tes	tCode: EF	PA Method	8015D: Gaso	line Range		
Client ID: SW-26	Batch	ID: A8	7447	F	RunNo: 87	7447				
Prep Date:	Analysis Da	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 Range 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

Qualifiers:

- Value exceeds Maximum Contaminant 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#: **2204981 29-**Apr-22

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: 100ng btex Ics	Samp	Гуре: LC	s	TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch ID: B87447 RunNo: 87447									
Prep Date:	Analysis [Date: 4/2	22/2022	SeqNo: 3094943			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	SampType: MBLK TestCode: EPA Method 8			8021B: Volati	les					
Client ID: PBS	Batcl	h ID: B8	7447	47 RunNo: 87447						
Prep Date:	Analysis [Date: 4/ 2	22/2022	SeqNo: 3094944			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: 2204981-002ams	d Samp	SampType: MSD TestCode: EPA Method				I 8021B: Volatiles					
Client ID: SW-27	Bato	ch ID: B8	7447	F	RunNo: 8	7447					
Prep Date:	Analysis	Date: 4/	22/2022	SeqNo: 3094951 Units: mg/Kg							
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 Midle	and	Work Order Numb	er: 2204981		RcptNo: 1	
Received By: Cheyenn	ne Cason	4/22/2022 8:00:00 A	M	Chul		
Completed By: Desiree I	Dominguez	4/22/2022 8:19:52 A	М	TA		
Reviewed By: CMC	4	1/22/2e		3		
Chain of Custody						
1. Is Chain of Custody comp	plete?		Yes 🗸	No 🗌	Not Present	
2. How was the sample deli	ivered?		Courier			
l og In						
Log In 3. Was an attempt made to	cool the samples?		Yes 🗸	No 🗆	T	
an all of the to	coor the samples!		res 💌	NO 🗀	NA 🔲	
4. Were all samples received	d at a temperature of	>0° C to 6.0°C	Yes 🔽	No 🗌	NA 🗆	
5. Sample(s) in proper conta	ainer(s)?		Yes 🔽	No 🗌		
6. Sufficient sample volume	for indicated test(s)?		Yes 🗸	No 🗆		
7. Are samples (except VOA			Yes 🗸	No 🗌		
8. Was preservative added to			Yes	No 🔽	NA 🗆	
9. Received at least 1 vial wi	th headspace <1/4" f	or AQ VOA?	Yes	No 🗆	NA 🗹	
10. Were any sample contain	ers received broken?		Yes	No 🗸	Hart Control of A	
					# of preserved bottles checked	
 Does paperwork match bo (Note discrepancies on ch 			Yes 🗸	No 🗌	for pH:	
2. Are matrices correctly iden		ıstody?	Yes 🗸	No 🗆	Adjusted?	unless noted)
3. Is it clear what analyses w			Yes 🗸	No 🗌		
4. Were all holding times able	e to be met?		Yes 🗸	No 🗆	Checked by: JN	4/22/2
(If no, notify customer for a	authorization.)			/		1
Special Handling (if app	plicable)					
15. Was client notified of all d	and the second second	s order?	Yes	No 🗌	NA 🗸	
Person Notified:		Date:				
By Whom:		Via:	eMail 🗌	Phone Fax	☐ In Person	
Regarding:						
Client Instructions:						
16. Additional remarks:						
7. Cooler Information						
Cooler No Temp °C	Condition Seal	Intact Seal No	Seal Date	Signed By		
1 2.1	Good			7. No. 17.		
2 0.4	Good					

Received by OCD: 5/20/2022 6:47:20 Page 356 of 402 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					Analys	: JMT
Chloride	7300	300	mg/Kg	100	0 4/26/2022 10:05:10 AM	67054
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				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					Analys	: 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					Analys	: 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 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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Analytical Report Lab Order 2204A29

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	:: JMT
Chloride	12000	600	mg/Kg	200	0 4/26/2022 10:17:31 AM	67054
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				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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Analytical Report Lab Order 2204A29

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					Analys	: JMT
Chloride	5500	300	mg/Kg	100	0 4/26/2022 10:29:52 AM	67054
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	t: 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					Analys	: 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					Analys	t: 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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Date Reported: 5/5/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland 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 Dat				Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	: LRN
Chloride	910	60	mg/Kg	20	4/25/2022 8:43:04 PM	67054
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	t: 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					Analys	: 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					Analys	t: 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					Analys	t: JMT
Chloride	6000	300	mg/Kg	100	0 4/26/2022 10:42:13 AM	67054
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	t: 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					Analys	t: 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					Analys	t: 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 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-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						Analys	t: JMT
Chloride	4300	300		mg/Kg	100	4/26/2022 10:54:33 AM	67054
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS					Analys	: 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						Analys	t: 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						Analys	: 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	:: LRN
Chloride	1200	60	mg/Kg	20	4/25/2022 9:20:07 PM	67054
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analys	:: 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	: 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	: 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					Analyst	: LRN
Chloride	930	60	mg/Kg	20	4/25/2022 9:32:28 PM	67054
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: 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					Analyst	: 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					Analyst	: 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						Analys	: JMT
Chloride	4800	150		mg/Kg	50	4/26/2022 11:06:53 AM	67054
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS					Analys	t: 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						Analys	: 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						Analys	t: 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 OR	GANICS				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 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: 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					Analys	: LRN
Chloride	1200	60	mg/Kg	20	4/25/2022 11:11:14 PM	67054
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analys	t: 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					Analys	: 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					Analys	t: 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

Result **RL Oual Units DF** Date Analyzed **Batch** Analyses **EPA METHOD 300.0: ANIONS** Analyst: LRN Chloride 2100 60 mg/Kg 20 4/25/2022 11:23:34 PM 67054 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: ED Diesel Range Organics (DRO) 9.6 mg/Kg 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 4/26/2022 1:43:04 PM 67035 Analyst: NSB **EPA METHOD 8015D: GASOLINE RANGE** Gasoline Range Organics (GRO) ND 4/26/2022 12:43:58 AM 67031 4.9 mg/Kg Surr: BFB 96.1 37.7-212 %Rec 4/26/2022 12:43:58 AM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 0.024 4/26/2022 12:43:58 AM 67031 mg/Kg Toluene ND 0.049 mg/Kg 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 4/26/2022 12:43:58 AM 67031 Surr: 4-Bromofluorobenzene 70-130 98.9 %Rec 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					Analys	:: ЈМТ
Chloride	6600	300	mg/Kg	100	0 4/26/2022 11:31:35 AM	67054
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analys	:: 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					Analys	: 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					Analys	: 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

Result **RL Oual Units DF** Date Analyzed **Batch** Analyses **EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride 5000 150 mg/Kg 50 4/26/2022 11:43:56 AM 67054 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) 49 mg/Kg 5 4/26/2022 4:31:09 PM 67035 Motor Oil Range Organics (MRO) 470 5 240 mg/Kg 4/26/2022 4:31:09 PM 67035 Surr: DNOP 119 51.1-141 %Rec 4/26/2022 4:31:09 PM 67035 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 4/26/2022 1:07:32 AM 67031 4.9 mg/Kg 1 Surr: BFB 96.8 37.7-212 %Rec 4/26/2022 1:07:32 AM 67031 **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 0.025 4/26/2022 1:07:32 AM 67031 mg/Kg Toluene ND 0.049 mg/Kg 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 4/26/2022 1:07:32 AM 67031 Surr: 4-Bromofluorobenzene 70-130 98.9 %Rec 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 OR	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	: 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

Page 16 of 21

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

Result **RL Oual Units DF** Date Analyzed **Batch** Analyses **EPA METHOD 300.0: ANIONS** Analyst: NAI Chloride 4100 150 mg/Kg 50 5/3/2022 8:31:12 AM 67054 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: ED Diesel Range Organics (DRO) 9.8 mg/Kg 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 4/26/2022 2:26:53 PM 67035 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 4/26/2022 1:54:43 AM 67031 5.0 mg/Kg Surr: BFB 95.4 37.7-212 %Rec 4/26/2022 1:54:43 AM 67031 **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 0.025 67031 mg/Kg 4/26/2022 1:54:43 AM Toluene ND 0.050 mg/Kg 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 4/26/2022 1:54:43 AM 67031 Surr: 4-Bromofluorobenzene 70-130 99.3 %Rec 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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Hall Environmental Analysis Laboratory, Inc.

05-May-22

2204A29

WO#:

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

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

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.

2204A29 05-May-22

WO#:

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: LCS-67035	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 67035			RunNo: 87511							
Prep Date: 4/25/2022	Analysis D	ate: 4/ 2	26/2022	SeqNo: 3096732			Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	50	10	50.00	0	99.1	68.9	135				
Surr: DNOP	3.8		5.000		75.5	51.1	141				

Sample ID: MB-67035	SampT	уре: МЕ	BLK	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: PBS	Batcl	n ID: 670	35	F	RunNo: 87	7511				
Prep Date: 4/25/2022	Analysis D	Date: 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 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.

27

2100

2204A29 05-May-22

S

WO#:

Client: GHD Midland
Project: Gerard AW Battery

Gasoline Range Organics (GRO)

Surr: BFB

Sample ID: mb-67031	SampType: MBLK	TestCode: EPA Method 8015D: Gasolin	8015D: Gasoline Range				
Client ID: PBS	Batch ID: 67031	RunNo: 87480					
Prep Date: 4/23/2022	Analysis Date: 4/25/2022	SeqNo: 3095493 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	99.5 37.7 212					
Sample ID: Ics-67031	SampType: LCS	TestCode: EPA Method 8015D: Gasolir	ne Range				
Client ID: LCSS	Batch ID: 67031	RunNo: 87480					
Prep Date: 4/23/2022	Analysis Date: 4/25/2022	SeqNo: 3095494 Units: mg/Kg					
Analyte	Result PQI SPK value	SPK Ref Val %RFC Lowlimit HighLimit	%RPD RPDI imit Qual				

Sample ID: 2204a29-001ams	Samp1	уре: МЅ		Tes	tCode: EF	PA Method	8015D: Gasol	ine Range		
Client ID: BH-29A	Batcl	n ID: 670	31	F	RunNo: 87	7480				
Prep Date: 4/23/2022	Analysis D	Date: 4/2	25/2022	9	SeqNo: 30	095496	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			

0

107

213

72.3

37.7

137

212

25.00

1000

Sample ID:	2204a29-001amsd	Samp1	Гуре: М.	SD	Tes	tCode: EF	PA Method	Method 8015D: Gasoline Range						
Client ID:	BH-29A	Batcl	h ID: 67 0	031	F	RunNo: 87	7480							
Prep Date:	4/23/2022	Analysis [Date: 4/	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 Rang	e Organics (GRO)	27	24	24.49	0	111	70	130	3.54	20				
Surr: BFB		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 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#: **2204A29** *05-May-22*

Client: GHD Midland
Project: Gerard AW Battery

Sample ID: mb-67031 Client ID: PBS	·	SampType: MBLK Batch ID: 67031			tCode: EF RunNo: 87		8021B: Volati	les				
Prep Date: 4/23/2022	Analysis D	Date: 4/2	25/2022				Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	ND	0.025										
Toluene	ND	0.050										
Ethylbenzene	ND	0.050										
Xylenes, Total	ND	0.10										
Surr: 4-Bromofluorobenzene	1.1		1.000		106	70	130					

Sample ID: LCS-67031	Samp	ype: LC	S	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: LCSS	Batcl	n ID: 67 0	031	F	RunNo: 87	7480				
Prep Date: 4/23/2022	Analysis [Date: 4/2	25/2022	5	SeqNo: 30	095537	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.84	0.025	1.000	0	83.9	80	120			
Toluene	0.90	0.050	1.000	0	89.9	80	120			
Ethylbenzene	0.92	0.050	1.000	0	92.1	80	120			
Xylenes, Total	2.8	0.10	3.000	0	92.7	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		103	70	130			

Sample ID: 2204a29-002ams	Samp	Type: MS	6	Tes	tCode: El	PA Method	Method 8021B: Volatiles					
Client ID: BH-56	Bato	h ID: 670	031	F	RunNo: 8	7480						
Prep Date: 4/23/2022	Analysis	Date: 4/ 3	25/2022	9	SeqNo: 30	095540	Units: mg/K	(g				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	0.88	0.025	0.9852	0	89.6	68.8	120					
Toluene	0.97	0.049	0.9852	0	98.4	73.6	124					
Ethylbenzene	1.0	0.049	0.9852	0.01317	101	72.7	129					
Xylenes, Total	3.0	0.099	2.956	0.03493	102	75.7	126					
Surr: 4-Bromofluorobenzene	1.0	1.0 0.9852			104	70	130					

Sample ID: 2204a29-002amsd	SampT	уре: МЅ	D	Tes	tCode: EF	PA Method	8021B: Volati	les			
Client ID: BH-56	Batcl	n ID: 670	31	F	RunNo: 87	7480					
Prep Date: 4/23/2022	Analysis D	Date: 4/2	25/2022	5	SeqNo: 30	095541	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	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		
Xylenes, Total	2.8	0.098	2.935	0.03493	0.03493 94.6 75.7		126	7.80	20		
Surr: 4-Bromofluorobenzene	1.0	1.0 0.9785			105 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 Mid	and	Wor	k Order Nu	mber: 220	04A29			RcptNo: 1	
Received By:	Juan Ro	jas	4/23/2	022 8:25:00) AM		Hin	neag		
Completed By:	Juan Ro	jas		022 8:50:04			Lla	nearly nearly		
Reviewed By:	-3	3/2022					1			
Chain of Cus	stody									
1. Is Chain of C	Custody com	plete?			Yes	~	No	0 🔲	Not Present	
2. How was the	sample deli	vered?			Cou	rier				
Log In										
3. Was an atter	npt made to	cool the sam	oles?		Yes	~	No		NA 🗆	
4. Were all sam	ples received	d at a tempera	ature of >0° C	to 6.0°C	Yes	V	No	о <u>П</u>	NA 🗆	
5. Sample(s) in	proper conta	ainer(s)?			Yes	V	No			
6. Sufficient san	nple volume	for indicated t	est(s)?		Yes	v	No			
7. Are samples	except VOA	and ONG) pr	operly preserv	ed?	Yes	~	No			
8. Was preserva	itive added to	bottles?			Yes		No	v	NA 🗌	
9. Received at le	east 1 vial wit	th headspace	<1/4" for AQ \	VOA?	Yes		No		NA 🗹	
10. Were any sar	mple contain	ers received b	oroken?		Yes		No	~		
									# of preserved bottles checked	
11. Does paperwo (Note discrepa			N.		Yes	~	No		for pH:	
2. Are matrices					Yes	~	No		(<2 or >12 unles Adjusted?	s noted)
3, Is it clear wha						~	No			- (
4. Were all holding					Yes	~	No		Checked by: Jin U	23/2
(If no, notify co								6		
pecial Handl	ing (if app	olicable)								
15. Was client no	tified of all di	iscrepancies v	with this order	?	Yes		No		NA 🗹	
Person	Notified:			Date						
By Who				Via:	☐ еМа	ail 🔲	Phone _	Fax	☐ In Person	
Regardi										
Client Ir	structions:									
6. Additional rer	marks:									
7. Cooler Inform	mation									
Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Da	ite	Signed I	Ву		
1	0.9	Good								

J	hain	O-jo-	Chain-of-Custody Record	Turn-Around Time:	Time:				CALL		7114	-	A THE DAME OF TAKEN	
Client:	GH	Д		□ Standard	⊠ Rush	2442	1	V				2 2	AAL ENVIRONMENTAL ANALYSTS LABORATOR	AR ORX
				Project Name:					AAAAA	www hallenvironmental com	iron i	le let		5
Mailing	Address	Mailing Address: 2135	5 S. Lay 250 W.	Cherard	AW	Rattery	46	01 Hav	- 4901 Hawkins NE	E - AI	enbng	rque. N	Albuquerque, NM 87109	
Z	Midland	1	x 79703	Project #:				Tel. 505	505-345-3975	75	Fax 5	505-345-4107	5-4107	
Phone :	Phone #: 432-		686-0086	2211	9662				H	Anal	ysis R	Analysis Request	t:	1
email o	email or Fax#: Tom.	Tom.	Larson @ GHD. Com	Project Mana	ger:					[†] O		(11		
QA/QC	QA/QC Package:			Becky. Hasken @	Hasken	@ SHO.COM		18.5	SW	S Ԡ(nbsd/		
□ Standard	dard		☐ Level 4 (Full Validation)			The second second	2/02		IS0	Ы		Α∖tn	_	
Accreditation:	tation:	□ Az C	☐ Az Compliance	Sampler: He	Health. Boy	Boyd @ GHD. Com	100	280		10 ⁵			ς.	
□ NELAC	AC	□ Other			B-Yes	ON 🗆		8/s		_		-		
☐ EDD (Type	(Type)			# of Coolers:	7			əpi					ap-	
				Cooler Temp(including CF);	ncluding CF);	(0.) 6 00 mg		oitee		_	(AO)			
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Tyne	HEAL NO.	X3TEX /	더 1808	N) 803	SCRA 8	v) 09Z8	3270 (S Cotal C	' 17	
	1200	2			1/4	100-		3		-	3	4	ア メ	
~	0121		BH-56	_		700-	X						×	
	9221		12H-57			-003	メ						义	
	1230		BH-58	_		100-	X X						7	
	0421		BH-59			-2005-	×						×	
	1250		BH-60			200-	义						×	
	1200		50-12A			-C07	X X						7	
	1310		512-13 A			-008	X						a.	
	1320		28-MS			100m	X						メ	
	1330		SUV-33			2010	e &						×	
	1340		SW-34		_	129	X						×	
- 9-	1450	V.	5K-75	X	火	200	Z X						ĸ	
Date:	Time:	Relinquished by:	ned by:	Received by:	Via:	Pate Time	Remarks: Please Ema	s: Plea	56 64		resou	1: Tom, Becky, t	1, Fleath	
Date;	Time:	Relinquished by:	ned by:	Received by: Via:	Via:	Date Time	1	ークルナ	Suttle @		aure	.s. Co.	F	
492/09	(09. 10m)	1111	11111111	K	Collector Willer	-	7 ach (on) 20 6 40 Com	1	9	(ID)	On	É	Dienel 2:11. 60% 14% 11.5	Mr Ass

Page 381 of 402 Received by OCD: 5/20/2022 6:47:20 PM **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. Drect Bill to : EOG Atta to Chase" 4901 Hawkins NE - Albuquerque, NM 87109 Remarks: Please Email: "Heath, Ton, Becky Fax 505-345-4107 X www.hallenvironmental.com K Amber-Chiffin @ eogresources. Com Analysis Request Total Coliform (Present/Absent) hase suttle @ eggresources. com (AOV-ima2) 07S8 Cach. Comino @ capicato to Com (AOV) 09S8 NO2, PO4, SO4 Br, NO3, CI' E' Tel. 505-345-3975 RCRA 8 Metals PAHs by 8310 or 8270SIMS EDB (Method 504.1) Pesticides/8082 PCB's TPH:8015D(GRO / DRO / MRO) 7 Q Q Q Q TMB's (8021) MTBE / (S) 10 UNIX 4/13/17 BUS Becky. Haskell @ CIHD. COM Sampler: Heath. Boxel BGHD. Con 8 72041A29 Time 4357 AW BOTTON 137 7515 KRush 24 hr 510-3-021 Cooler Temp(Including CF): 6-9-0=6-7 **%**□ Preservative 9682211 1/4 √D Yes Phumis Type X Turn-Around Time: Via: Project Manager: Cherard # of Coolers: Project Name: □ Standard Type and # Hoz. Jas/ Received by: Container Project #: Received by On Ice: email or Fax#: Tom. Larson @ GARD. Com ☐ Level 4 (Full Validation) 2500 Chain-of-Custody Record Sample Name Chain-of-Custody Recession of Client: Chain-of-Custody Recession of Client: Chain of Custody Recession of Chain of Custody Recession of Chain of Ch NU-10 SW-39 SM-38 Gran Midland, Tx 79703 Phone #: 432 - 686 - 0086 □ Az Compliance Relinquished by: Relinquished by: □ Other Matrix 2 1900 1700 QA/QC Package: 1410 024 430 97 1800 ☐ EDD (Type) Time Accreditation: Time: Time: Standard □ Standard □ NELAC 17/7 Date 14/12 K



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.

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 ar 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 such claims 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. Keine

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:

SW - 6A H221985-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	tories					
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	2051120	GM	11-May-22	4500-Cl-B	
Volatile Organic Compounds l	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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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:

BH - 62 H221985-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	1550		16.0	mg/kg	4	2051120	GM	11-May-22	4500-Cl-B	
Volatile Organic Compounds	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 (PI	D)		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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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 - 4 B H221985-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	160		16.0	mg/kg	4	2051120	GM	11-May-22	4500-Cl-B	
Volatile Organic Compounds	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 (Pl	(D)		100 %	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			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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Analytical Results For:

GHD SERVICES, INC. 6121 INDIAN SCHOOL RD, NE STE. 200 Project: GERARD AW BATTERY

Reported: 16-May-22 12:13

ALBUQUERQUE NM, 87110

Project Manager: BECKY HASKELL

Fax To:

Project Number: 11228976

BH - 61 H221985-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Labora	tories					
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 (PID))		99.9 %	69.9	0-140	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	i-142	2051018	MS	11-May-22	8015B	

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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: 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 (PIL))		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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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 - 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 (PII	D)		100 %	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*	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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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 &	z 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

69.9-140

969

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 Manager: BECKY HASKELL

Fax To:

Project Number: 11228976

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Reporting

0.0485

		reporting		Spine	Bourse				1112	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 2051023 - Volatiles										
Blank (2051023-BLK1)				Prepared: 1	10-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	10-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	10-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	
n,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	

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mg/kg

0.0500

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Surrogate: 4-Bromofluorobenzene (PID)



%REC

Limits

RPD

Analytical Results For:

GHD SERVICES, INC. 6121 INDIAN SCHOOL RD, NE STE. 200 ALBUQUERQUE NM, 87110

Analyte

Surrogate: 1-Chlorooctane

Surrogate: 1-Chlorooctadecane

Project: GERARD AW BATTERY

Reported: 16-May-22 12:13

RPD

Limit

Notes

Project Number: 11228976

Reporting

Limit

Result

57.3

56.2

Project Manager: BECKY HASKELL

Spike

Level

50.0

50.0

Source

Result

%REC

115

112

66.9-136

59.5-142

Fax To:

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Units

Blank (2051018-BLK1)				Prepared & Anal	lyzed: 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 & Anal	lyzed: 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 & Anal	lyzed: 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	

mg/kg

mg/kg

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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

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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

Project Manager: Co (41)		BILL 1	70	1		ANALYSIS REQUEST	
sury.	Hasken @ GAD. com	P.O. #:		+		NACISIS REQUEST	
2. 600p	.m 085	Company: EOG	9				
	State: 7X Zip: 79703	Attn: / hass s	111-0/50	_			_
Phone #: 432-686-0086	Fax #:	Address:	Thic words	_			
Project #: //22 8976	Project Owner: EOG	City:					
Project Name: Great Au	Buttery						
Project Location: Artes: "	Nun	Dhone #	1	_			
Sampler Name: Head 3	22	Phone #:		_			
"Manny"	Songa Con Con	Fax #:		>			
	MATRIX	PRESERV. SI	SAMPLING	I			
Lab I.D. Sample I.D.	R (C)OMI IERS VATER				de		
5	G)RAB OI CONTAII ROUNDI (ASTEWA	THER : CID/BASE E / COOL THER :	STEX		PH: blor		
1 SW-6A	- # V X S	A IC	TIME	+	(-
2 BH-62	۲ ، ۲	22/01/0	Chol		X		
3 SW-48B	to-6116/22 (1 K		2000	×	×		
19-421	0/		1	7	*		
S BH-60A			2	×	7		
6 SW-41			A 0271	×	x		
*	5	×	1125 8	×	×		
SE NOTE: Liability and Damages. Cardinal's liability and	EASE NOTE: Liability and Damages, Cardinal's liability and client's exclusive remedy for any older.						
In no event shall Cardinal be liable for incidental or con- fliates or successors arising out of or related to the performan relinquished By:	nrice. In no event shall Cardinal be liable for incidental or consequential damages, including without fimiliates 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 stated reasons or otherwise. The control of the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	i received by Cardinal within 30 days at oss of use, or loss of profits incurred by a based upon any of the above stated n	and by the client for the ler completion of the applic client, its subsidiaries, teasons or otherwise.	able			Ŀ
B	Time 5/10/22 Received By:	11/10	Verbal Result:	□ Yes	□ No Ad	Add'l Phone #:	
elinquished By:	Date: Received By:	Makese	REMARKS:	are emailed. P	d. Please provide I	All Results are emailed. Please provide Email address: "Becky, Heath, Chase Tom. Largon & Cythire & Com, Zach. Com. no & Cythire & Com. Amber Cyn. Fr. Co & By Te Sowres & Com.	*
Delivered By: (Circle One)	Observed Temp. °C 25,4 Sample Condition	ON CHECKED BY:	Turnaround Time				
PORM: 006 R 3.2 10/07/21	Corrected Temp. °C 339 Cool Intact	(Initials)	Thermometer ID #113 Correction Factor -0.5°C	#113 -0.5°C	Rush	ol Intact	.,
	† Cardinal cannot accept verbal changes. Please email changes to celey keene@cardinallahsnm.com	ges. Please email char	nges to celey.ke	ene@car	dinallahana	Corrected Temp. °C	



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:

A ... - L ... - d D. .. MC /

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, SM4500Cl-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						

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Celey 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: Tamara Oldaker 11228976 Sample Received By:

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 5	69.9-14	0						
Chloride, SM4500Cl-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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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	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	1360	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	77.8	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	91.8	% 59.5-14	22						

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Celey D. Keene



Analytical Results For:

GHD SERVICES, INC. **BECKY HASKELL** 6121 INDIAN SCHOOL RD, NE STE. 200 ALBUQUERQUE NM, 87110 Fax To:

Applyzod By: MC/

Received: 05/16/2022 Reported: 05/17/2022

Project Name: GERARD AW BATTERY

Project Number: 11228976

Project Location: EOG - ARTESIA, NM

ma/ka

Sampling Date: 05/16/2022

Sampling Type: Soil

Sampling Condition: Sample Received By: Tamara Oldaker

** (See Notes)

Sample ID: SW - 44 (H222074-04)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a 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					
Gurrogate: 4-Bromofluorobenzene (PID 101 % 69.9-140		0							
Chloride, SM4500Cl-B	mg/kg		Analyzed 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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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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Celey D. Keene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



(575) 393-2326 FAX (575) 393-2476

Phone #: 432-636-0086 Fax #: Project #: 1228976 Project Owner: COG City: Project Name: Grand Man Buttery Project Location: Artesia, Jun Sampler Name: Health Soyd & ENHO, Com Fax #: Propost Location: Artesia, Jun Sampler Name: Health Soyd & ENHO, Com Fax #: Propost Location: Artesia, Jun Sampler Name: Health Soyd & ENHO, Com Fax #: Propost Location: Artesia, Jun Phone #: Sampler Name: Health Soyd & ENHO, Com Fax #: Phone #: Propost Location: Artesia, Jun Phone #: State: Zip: Phone #: P	Company Name: (SProject Manager: PANCE STATE STATE	S. Loop 250 W.	0.00%	BILL TO P.O. #: Company: どのら			ANALYSIS REQUEST
Phone #: State: Zip: World © ETH D. CO S Fax #: WASTEWATER WASTEWATER WASTEWATER WASTEWATER ACID/BASE: ICE / COOL OTHER: X SOIL OTHER:		76		City:			
Phone #: Cold Cold	Project Name: (5c	Aw B.	ery				
Sample I.D. Sampl	Project Location: A	2	,			>	_
Sample I.D. Sample I.D. Sample I.D. Sh-60 b C G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER WASTEWATER ACID/BASE: ICE / COOL OTHER: ACID/BASE: ICE / COOL OTHER: X 1120 X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X		Mr. Boyde	0,00	Fax #:		51	_
Sample I.D. Sampl	FOR LAB USE ONLY			İ	PLING		
5H-60B C 1	Lab I.D.	Sample I.D.	# CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	OTHER: ACID/BASE: CE / COOL OTHER:			
5W-45 5W-43 61 k 1110 x x 1110 x x	HS)		- i	5/16	-	_	+
SW-44 C 1 K 1120 X X	2 Sw	-42	1		-		+
SW-44 C 1 8 X 1130 XX	1	243	-				1
		T.	·		1	×	
analyses. All claims including those for negligence and any other cause whatsower shall be deemed whyed unless made in without a window which are the control with a size of the cause whatsower shall be deemed whyed unless made in which and formed without of the manufacture of the mediants of the manufacture of the manufacture of the mediants.	service. In no event shall Cardinal be li- affiliates or successors arising out of or Relinquished By:	able for incidental or consequental damages, including related to the performance of services hereunder by C Pate: 5/16	without limitation, business interruptions, it ardinal, regardless of whether such claim is Received By:	oss of use, or loss of profits incurred by cit is based upon any of the above stated rea	lient, its subsidiaries, assons or otherwise. Verbal Result: All Results are ema	Yes □ No Ad	'I Pho
those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after final be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by cout of or reliated to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated re-	Relinquished By:	Date:	Received By:	Estrap St	Amber - Gr	Etin @ Eoch	800
those for negligence and any other cause whatsoever shall be deemed water duries made in writing and received by Cardinal within 30 days after completion of the applicable final be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Date: Received By:	Delivered By: (Circle On Sampler - UPS - Bus - C	her:		CHECKED BY: (Initials)	Turnaround Time: Thermometer ID #11 Correction Factor -0.9	Standard Rush	Bacteria (only) Sample Condition Cool Intact Observed Temp. Yes Yes
those for negligence and any other cause whatscener shall be deemed waved unless made in writing and received by Cardinal within 30 days after final be liable for incidental or consequential damages, including without final and inceptions, loss of use, or loss of profits incurred by cord of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated report of the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated report of the stated report of the above stated report	FORW-000 K 3.2 10/07/21	307721			The state of the s		2

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 109132

CONDITIONS

Operator:	OGRID:
EOG RESOURCES INC	7377
P.O. Box 2267	Action Number:
Midland, TX 79702	109132
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Remediation Plan Update Accepted.	6/1/2022