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	nAPP2115335335
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

					T		
Responsible Party EOG Resources, Inc.			OGRID 73				
Contact Name Chase Settle			Contact Te	elephone 575-748	8-1471		
Contact email Chase_Settle@eogresources.com			Incident #	(assigned by OCD)	nAPP2115335335		
Contact mail	ling address	104 S. 4th Str	eet, Artesia,	NM 88	8210		
					delease So	ource	
Latitude 32	.72104		(NAD 83 in d	lecimal de	Longitude _ grees to 5 decim	-104.43326 aal places)	
Site Name H	ornbaker	BA Battery			Site Type Battery		
Date Release	Discovered	05/25/2021			API# (if app		
			D		C		
Unit Letter	Section	Township	Range		Coun	ıty	
G	25	18S	25E	Edd	У		
Crude Oi	Materia	Federal Tr	Nature an	id Vo	lume of F		
Produced		Volume Release		own		Volume Recover	
	Is the concentration of dissolved chloride produced water >10,000 mg/l?		e in the	Yes No	. ,		
Condensa	ate	Volume Release	ed (bbls)			Volume Recover	red (bbls)
Natural C	Gas	Volume Release	ed (Mcf)			Volume Recover	red (Mcf)
Other (de	escribe)	Volume/Weight	Released (provi	de units))	Volume/Weight	Recovered (provide units)
Cause of Rel	^{ease} Histor unkno	ical impacts dis wn.	scovered durin	ng the I	P&A of the	battery. Relea	se volume and date are

Received by OCD: 9/15/2022 7:57:57 PM State of New Mexico Page 2 Oil Conservation Division

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Incident ID	nAPP2115335335
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Was this a major release as defined by	If YES, for what reason(s) does the respon	nsible party consider this a major release?
19.15.29.7(A) NMAC?		
Yes No		
If YES, was immediate n	otice given to the OCD? By whom? To wl	nom? When and by what means (phone, email, etc)?
	Initial R	esponse
The responsible	party must undertake the following actions immediated	y unless they could create a safety hazard that would result in injury
✓ The source of the rele	ease has been stopped.	
	s been secured to protect human health and	the environment.
Released materials ha	ave been contained via the use of berms or o	likes, absorbent pads, or other containment devices.
All free liquids and re	ecoverable materials have been removed an	d managed appropriately.
If all the actions described	d above have <u>not</u> been undertaken, explain	why:
has begun, please attach	a narrative of actions to date. If remedial	emediation immediately after discovery of a release. If remediation efforts have been successfully completed or if the release occurred clease attach all information needed for closure evaluation.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws		
and/or regulations.	Ta C-1-11 report does not renevo die operator er	responsibility for compliance with any other reactar, state, or recar tame
Printed Name: Chase	Settle	Title: Rep Safety & Environmental Sr
Signature: has	Settle Octtle	Date: 6/2/2021
email: Chase_Settle	@eogresources.com	Telephone: 575-748-1471
OCD Only		
Received by:		Date:

	Page 3 of 35	34
Incident ID	nAPP2115335335	
District RP		
Facility ID		
Application ID		

Site Assessment/Characterization

This information must be provided to the appropriate district office no tales man 20 days after the release discovery date.		
What is the shallowest depth to groundwater beneath the area affected by the release?	>107 (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?	X 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?	X Yes ☐ No	
Did the release impact areas not on an exploration, development, production, or storage site?	X 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.		

_

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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Incident ID	nAPP2115335335
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Facility ID	
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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: 03/15/2022		
email: Chase_Settle@eogresources.com	Telephone: <u>575-748-1471</u>		
OCD Only			
Received by:	Date:		

ved by OCD: 9/15/2022 7:57:57 PM
State of New Mexico

Incident ID | paper 5 of 354

	1 480 0 0 0
Incident ID	nAPP2115335335
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Application ID	

Remediation Plan

Remediation Plan Checklist: Each of the following items must be	included in the plan.		
 ☑ Detailed description of proposed remediation technique ☑ Scaled sitemap with GPS coordinates showing delineation points ☑ Estimated volume of material to be remediated ☑ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC ☑ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required) 			
Deferral Requests Only: Each of the following items must be confi	irmed as part of any request for deferral of remediation.		
Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.			
Extents of contamination must be fully delineated.			
Contamination does not cause an imminent risk to human health,	the environment, or groundwater.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.			
Printed Name: Chase Settle	Title: Rep Safety & Environmental Sr		
Signature: Chase Settle	Date: 03/15/2022		
email: Chase_Settle@eogresources.com	Telephone: 575-748-1471		
OCD Only			
Received by:	Date:		
Approved with Attached Conditions of A	pproval		
Signature: Bradford Billings D	Date: 04/28/2022		

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Incident ID nAPP2115335335

District RP
Facility ID
Application ID

Closure

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

Closure Report Attachment Checklist: Each of the following is	tems must be included in the closure report.	
✓ A scaled site and sampling diagram as described in 19.15.29.11 NMAC		
Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)		
☐ Laboratory analyses of final sampling (Note: appropriate ODC	C District office must be notified 2 days prior to final sampling)	
Description of remediation activities		
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and rephuman health or the environment. In addition, OCD acceptance of	ations. The responsible party acknowledges they must substantially inditions that existed prior to the release or their final land use in	
Printed Name: Chase Settle	Title: Rep Safety & Environmental Sr	
Signature: Chase Settle	Date: 9/15/2022	
email: Chase_Settle@eogresources.com	Telephone: <u>575-748-1471</u>	
OCD Only		
Received by:	Date:	
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible for regulations.	
Closure Approved by:	Date: _09/20/2022	
Printed Name:Jennifer Nobui	Title:Environmental Specialist A	

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



Our ref: 11228980

September 15, 2022

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

Re: Site Closure Report

Hornbaker BA Battery Release Site

EOG Resources Inc.

Incident ID: nAPP2115335335

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

1. Introduction

GHD Services, Inc. (GHD), on behalf of EOG Resources (EOG), submits this Site Closure Report to the New Mexico Oil Conservation Division (NMOCD) District 2 Office. This Report provides documentation of remedial activities conducted in the affected area at the EOG Hornbaker BA Battery Site (Site). The Site is located in Unit Letter G Section 25 of Township 18 South and Range 25 East in Eddy County, New Mexico. The GPS coordinates for the release site are 32.72104 N latitude and 104.43326 W longitude. The release occurred on private land owned by Hornbaker Estate. Figure 1 depicts the Site location.

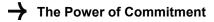
2. Background Information

A C-141 Release Notification 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 site abandonment activities associated with this location. Soils within the former tank battery containment 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 falls under the jurisdiction of the NMOCD District 2 Office in Artesia, New Mexico. The NMOCD assigned the release with Incident Number nAPP2115335335. The Release Notification, Site Assessment/Characterization, Remediation Plan, and Closure portions of Form C-141 are attached to the front of this report.

3. Groundwater and Site Characterization

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



As indicated in the previously submitted Site Characterization and Remediation Work Plan, dated April 26, 2022, GHD, on behalf of EOG, proposed to divide the Site into two (2) separate areas ("Area A" and "Area B") due to a significant watercourse being located within three hundred (300) feet of the northern portion of the Site. The Site Characterization and Remediation Work Plan was approved by the NMOCD on April 28, 2022. Details of the Site Characterization documentation and previously completed Site assessment activities can be found in the aforementioned Site Characterization and Remediation Work Plan.

Area A:

The soil and closure criteria are listed below and will be referred to as Standard A in this report.

General Site Characterization and Groundwater: Table 1

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

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

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

Area B:

The soil and closure criteria are listed below and will be referred to as Standard B in this report.

General Site Characterization and Groundwater: Table 1

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

Table 3.2 Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29.12 and 13)

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

4. Initial Soil Delineation Assessment Summary and Findings

On June 10 through July 15, 2021, GHD and EOG's contractor, Culberson Construction Energy Services (CCI), installed thirty (30) test pits, TP1 through TP30, within the suspected impacted area's: Area A and Area B. Soil samples were collected at depths ranging from surface to twenty (20) feet below ground surface (bgs). All soil samples were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, total petroleum hydrocarbons (TPH) by Method 8015B Modified, and chloride by EPA Method 300 by Hall Environmental Analysis Laboratory (HEAL) in Albuquerque, New Mexico.

Analytical results indicated eleven (11) of eighteen (18) test pits in Area A had samples exceeding applicable Table I Closure Criteria (**Standard A**) for a significant watercourse less than three hundred (300) feet: TP1, TP2, TP3, TP5, TP6, TP7, TP9, TP11, TP13, TP15, and TP17. Area B had twelve (12) test pits (TP19 through TP30) installed with none of the samples exceeding applicable Table I Closure Criteria (**Standard B**) for depth to groundwater greater than one hundred (100) feet.

GHD and White returned to the Site on December 8, 2021 through January 7, 2022, to install four (4) soil borings strategically positioned around the areas of test pits not vertically delineated, to delineate Total TPH and chloride impacts: SB-1 through SB-3 (Area A) and SB-4 (Area B). During boring installation, samples were obtained every five (5) to ten (10) feet starting at five (5) feet bgs until field screening and observations indicated the boring was delineated. All soil samples were analyzed for BTEX by EPA Method 8021B, TPH by Method 8015B Modified, and chloride by EPA Method 300 by HEAL in Albuquerque, New Mexico.

In Area A, analytical results indicated three (3) soil borings (SB-1, SB-2, and SB-3) exhibited chloride concentrations above Table I Closure Criteria (**Standard A**) at depths ranging from five (5) to ninety (90) feet bgs. Soil boring SB-3 also exhibited TPH concentrations above Table I Closure Criteria (**Standard A**) at five (5) and ninety (90) feet bgs. Soil Boring SB-3 exhibited no TPH concentrations after the first ten (10) feet bgs and again at eight-five (85) and ninety (90) bgs. Due to low TPH concentrations and irregular results it was determined to be cross-contamination from the drill rig lubrication or debris falling into the bore hole from the interval of surface to ten (10) feet bgs. Area B, Soil Boring SB-4 analytical results indicated benzene, BTEX, TPH, and chloride concentrations were below Table I Closure Criteria (**Standard B**). Sample locations and analytical results are provided in the Site Characterization and Remediation Work Plan, dated April 26, 2022.

Excavation, Confirmation Sampling, and Waste Management

Due to the initial soil sampling activities exhibiting BTEX, TPH, and chloride concentrations above NMAC 19.15.29.13 Closure Criteria, GHD and Standard Safety and Supply (SS) mobilized to the Site on May 9, 2022, to excavate the affected soils. Excavation activities continued through June 30, 2022. As previously discussed, and approved by the NMOCD, the Site was divided into two areas; Area A and Area B. Area A Closure Criteria (**Standard A**) is for depth to groundwater less than fifty (50) feet with an approved variance by NMOCD for the installation of a twenty (20) millimeter synthetic liner at six (6) feet bgs. Area B Closure Criteria (**Standard B**) is for depth to groundwater greater than one hundred (100) feet.

Area A:

The final dimensions of Area A excavation measure approximately one hundred ninety-two (192) feet long, ranges in width from approximately one hundred seven (107) to one hundred eighty-four (184) feet, and ranges

→ The Power of Commitment

in depth from six (6) to twenty and one-half (20.5) feet. One hundred two (102) bottom hole (BH-1 through BH-27, BH-74 through BH-139, BH-141, BH-142, BH-144, BH-145, and BH-153 through BH-157) and twenty-eight (28) sidewall (SW-1 through SW-16 and SW-26 through SW-37) initial composite confirmation samples were collected. Composite confirmation samples represented areas no larger than two hundred (200) square feet. All confirmation samples were taken to HEAL in Albuquerque, New Mexico and analyzed for BTEX by EPA Method 8021B, TPH by Method 8015B Modified, and chloride by EPA Method 300. Analytical results indicated two (2) bottom hole and one (1) sidewall confirmation samples exhibited TPH concentrations above Table I Closure Criteria (Standard A): BH-20, BH-21, and SW-14. Additionally, sixty-eight (68) bottom hole and fifteen (15) sidewall composite confirmation samples exhibited chloride concentrations above Table I Closure Criteria (Standard A). None of the remaining forty-seven (47) composite confirmation samples exhibited benzene, BTEX, TPH, or chloride concentrations above Table I Closure Criteria (Standard A). The locations of composite confirmation samples are depicted on Figure 2. Analytical results for confirmation samples are provided on Table 1 and in the Laboratory Analytical Reports provided in Attachment A.

Due to confirmation samples exhibiting TPH concentrations above Table I Closure Criteria, GHD and SS returned to the Site on June 30, 2022, to further excavate the affected area. The areas around BH-20 and BH-21 were further excavated one-half (0.5) foot deeper to fourteen and one-half (14.5) feet total depth and resampled (BH-20A and BH-21A). The sidewall at the SW-14 location was excavated further and resampled (SW-14A). The confirmation samples were taken to HEAL in Albuquerque, New Mexico and analyzed for BTEX by EPA Method 8021B, TPH by Method 8015B Modified, and chloride by EPA Method 300. Analytical results indicated none of the confirmation samples exhibited benzene, BTEX, or TPH concentrations above Table I Closure Criteria (Standard A). Due to the extent of the area with chloride concentrations in exceedance of Table I Closure Criteria (Standard A), those concentrations were left in place and a twenty (20) millimeter synthetic liner was installed at the six (6) foot bgs interval of the excavation (excavation extended ten (10) feet beyond clean, non-contaminated perimeter sidewalls in all directions) over the affected area, as per the approved work plan. The locations of composite confirmation samples are depicted on Figure 2. Analytical results for confirmation samples are provided on Table 1, and in the Laboratory Analytical Reports provided in Attachment A.

Area B:

The final dimensions of Area B excavation measure approximately one hundred twenty-seven (127) ft long, ranges in width from approximately fifteen (15) to one hundred eight (108) feet, and ranges in depth from four (4) to six (6) feet deep. Fifty-five (55) bottom hole (BH-28 through BH-72, BH-140, BH-143, BH-146 through BH-152) and eleven (11) sidewall (SW-17 through SW-25, SW-38, and SW-39) composite confirmation samples were collected. Composite confirmation samples represented areas no larger than two hundred (200) square feet. All confirmation samples were taken to HEAL in Albuquerque, New Mexico and analyzed for BTEX by EPA Method 8021B, TPH by Method 8015B Modified, and chloride by EPA Method 300. Analytical results indicated none of the confirmation samples exhibited benzene, BTEX, TPH, or chloride concentrations above Table I Closure Criteria (**Standard B**). The locations of composite confirmation samples are depicted on Figure 2. Analytical results for confirmation samples are provided on Table 1 and in the Laboratory Analytical Reports provided in Attachment A.

Area A and Area B:

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 13,422 tons of impacted soil were disposed at Lea

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Land, LLC, the waste manifests from May 9 through June 28, 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 at Attachment C.

6. nAPP2115335335 Closure Request

The excavation has been backfilled with non-impacted material with the seeding of the Site to occur with the further decommissioning and reclamation associated with the Site retirement activities. Site characterization, soil delineation, and remediation activities for this incident number have been performed in accordance with applicable NMOCD guidance and regulations. Based upon supporting documentation provided in this report, GHD, on behalf of EOG, respectfully requests closure and no further regulatory actions for nAPP2115335335.

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

Sincerely,

GHD

J.T. Murrey Senior Project Manager

Murrey

Nate Reece Environmental Scientist

Make June

NR/jt/1

Encl. Figure 1 – Site Location Map

Figure 2 – Excavation and Confirmation Sampling Locations Map

Table 1 – Summary of Soil Analytical

Table 2 – Soil Disposal Summary

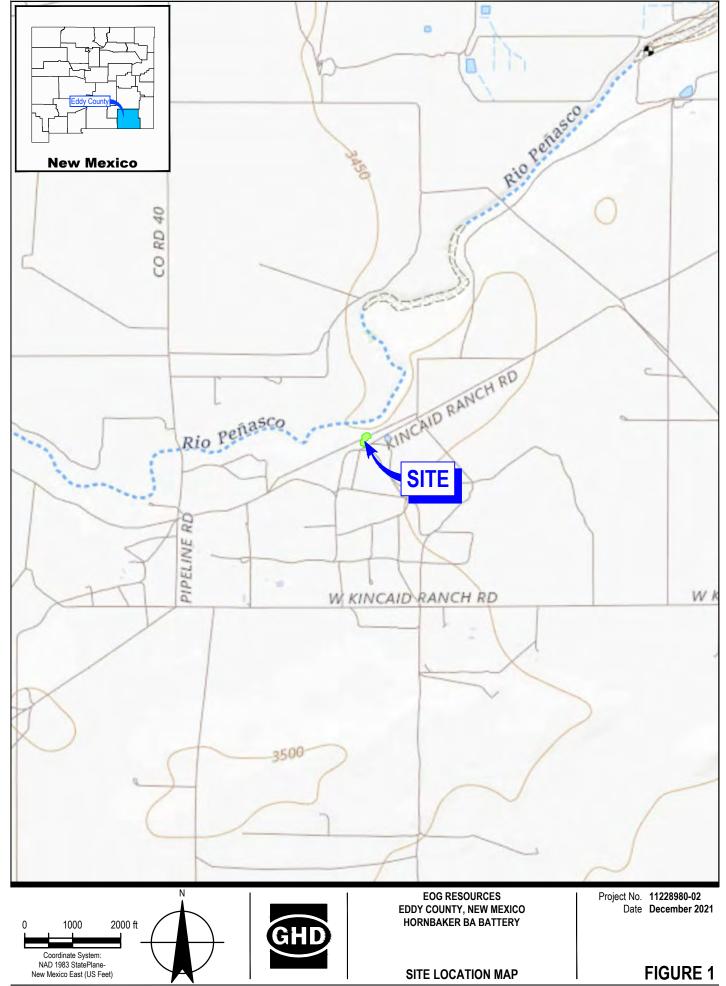
Attachment A – Laboratory Analytical Reports and Chain-of-Custody Documentation

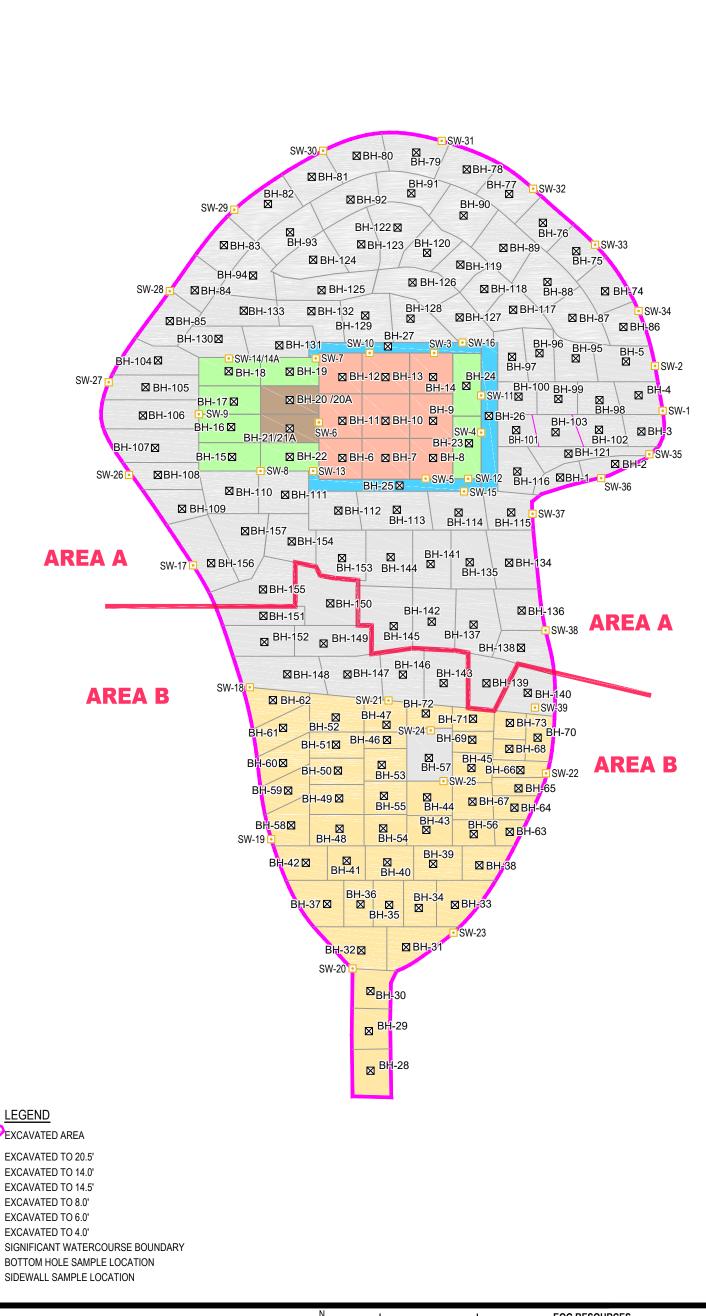
Attachment B – Photographic Log

Attachment C – Sampling Notifications

cc: Amber Griffin/Chase Settle

Figures





Coordinate System:
NAD 1983 (2011) StatePlaneNew Mexico East (US Feet)



EOG RESOURCES EDDY COUNTY, NEW MEXICO HORNBAKER BA BATTERY

EXCAVATION AND CONFIRMATION SAMPLING LOCATIONS MAP

Project No. 11228980-02 Date September 2022

FIGURE 2

Tables

Table 1
Summary of Soil Analytical Data - Area A
Hornbaker BA Battery
EOG Resources
Eddy County, New Mexico

										TPH		
Sample ID	Sample Date	Depth (feet bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/M RO	Chloride
				Ta	ble I Closure Crit	eria for So	ils <50 fee	et Depth to	Groundwate	er 19.15.29 N	IMAC	
			10				50				100	600
				Bott	tom Hole Compo	site Confir	mation Sa	mples				
BH-1	5/16/2022	6	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.3	<46	<46	3,700
BH-2	5/17/2022	6	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	<9.7	<49	<49	3,500
BH-3	5/24/2022	6	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<9.4	<47	<47	1,300
BH-4	5/24/2022	6	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	<9.7	<48	<48	740
BH-5	5/25/2022	6	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<10	<50	<50	970
BH-6	6/9/2022	20.5	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<15	<49	<49	11,000
BH-7	6/9/2022	20.5	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<15	<50	<50	4,700
BH-8	6/9/2022	20.5	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	24	<46	24	3,400
BH-9	6/9/2022	20.5	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<15	<50	<50	4,700
BH-10	6/9/2022	20.5	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<15	<50	<50	2,400
BH-11	6/9/2022	20.5	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<15	<49	<49	8,800
BH-12	6/9/2022	20.5	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<14	<48	<48	9,400
BH-13	6/9/2022	20.5	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<14	<48	<48	8,400
BH-14	6/9/2022	20.5	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<15	<48	<48	3,600
BH-15	6/9/2022	14	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<14	<48	<48	2,400
BH-16	6/9/2022	14	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	15	<45	15	3,800
BH-17	6/9/2022	14	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<15	<49	<49	3,000
BH-18	6/9/2022	14	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<15	<50	<50	9,800
BH-19	6/9/2022	14	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<15	<49	<49	9,300
BH-20	6/9/2022	14	<0.025	≥0:05 0	<0.05 0	<0.099	<0.099	~5.0_	82	88	170	2,200
BH-20A	6/30/2022	14.5	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<14	<48	<48	4,300
BH-21	6/9/2022	14	<0.025	≥0:05 0	<0.05 0	₹0.40_	₹0:40_	~5.0_	40	65	105	3,200
BH-21A	6/30/2022	14.5	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<14	<48	<48	8,000
BH-22	6/9/2022	14	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<15	<48	<48	3,000
BH-23	6/9/2022	14	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<13	<45	<45	7,600
BH-24	6/9/2022	14	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<14	<45	<45	7,800
BH-25	6/9/2022	8	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<14	<48	<48	3,500
BH-26	6/9/2022	8	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<14	<48	<48	2,800
BH-27	6/9/2022	8	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<13	<44	<44	4,400

Table 1
Summary of Soil Analytical Data - Area A
Hornbaker BA Battery
EOG Resources
Eddy County, New Mexico

										ТРН		
Sample ID	Sample Date	Depth (feet bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/M RO	Chloride
				Ta	ble I Closure Crit	eria for So	ils <50 fee	et Depth to	Groundwate	er 19.15.29 N	IMAC	
			10				50				100	600
BH-74	6/29/2022	6	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<14	<48	<48	480
BH-75	6/29/2022	6	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<14	<46	<46	230
BH-76	6/29/2022	6	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<15	<49	<49	85
BH-77	6/29/2022	6	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<14	<48	<48	850
BH-78	6/29/2022	6	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<15	<49	<49	740
BH-79	6/29/2022	6	<0.025	<0.049	<0.049	<0.097	<0.097	<4.9	<15	<49	<49	130
BH-80	6/29/2022	6	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<14	<46	<46	<59
BH-81	6/29/2022	6	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<14	<48	<48	66
BH-82	6/29/2022	6	< 0.023	<0.047	<0.047	<0.094	<0.094	<4.7	<13	<44	<44	110
BH-83	6/29/2022	6	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	<14	<46	<46	180
BH-84	6/29/2022	6	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<14	<46	<46	550
BH-85	6/29/2022	6	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<14	<48	<48	580
BH-86	6/29/2022	6	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<14	<45	<45	330
BH-87	6/29/2022	6	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<14	<45	<45	62
BH-88	6/29/2022	6	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	<14	<48	<48	180
BH-89	6/29/2022	6	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<15	<48	<48	840
BH-90	6/29/2022	6	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<15	<49	<49	350
BH-91	6/29/2022	6	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<14	<47	<47	220
BH-92	6/29/2022	6	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<14	<46	<46	240
BH-93	6/29/2022	6	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<14	<48	<48	890
BH-94	6/29/2022	6	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<14	<46	<46	100
BH-95	6/29/2022	6	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<15	<49	<49	330
BH-96	6/29/2022	6	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<13	<43	<43	840
BH-97	6/29/2022	6	<0.023	<0.046	<0.046	<0.092	<0.092	<4.6	<14	<48	<48	1,600
BH-98	6/29/2022	6	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<14	<46	<46	930
BH-99	6/29/2022	6	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<14	<47	<47	500
BH-100	6/29/2022	6	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<13	<44	<44	260
BH-101	6/29/2022	6	<0.023	<0.046	<0.046	<0.092	<0.092	<4.6	<14	<48	<48	480
BH-102	6/29/2022	6	<0.023	<0.046	<0.046	<0.093	<0.093	<4.6	<14	<48	<48	670
BH-103	6/29/2022	6	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<14	<48	<48	970

Table 1
Summary of Soil Analytical Data - Area A
Hornbaker BA Battery
EOG Resources
Eddy County, New Mexico

										TPH		
Sample ID	Sample Date	Depth (feet bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/M RO	Chloride
				Та	ble I Closure Crit	eria for So	ils <50 fee	et Depth to	Groundwate	er 19.15.29 N	IMAC	
			10				50				100	600
BH-104	6/29/2022	6	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	<14	<47	<47	4,900
BH-105	6/29/2022	6	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<13	<45	<45	2,100
BH-106	6/29/2022	6	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<14	<48	<48	2,600
BH-107	6/29/2022	6	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<14	<46	<46	4,200
BH-108	6/29/2022	6	< 0.023	<0.046	<0.046	<0.092	<0.092	<4.6	<13	<45	<45	4,100
BH-109	6/29/2022	6	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	<15	<50	<50	3,200
BH-110	6/29/2022	6	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<13	<45	<45	4,900
BH-111	6/29/2022	6	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<14	<46	<46	3,100
BH-112	6/29/2022	6	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<14	<46	<46	6,300
BH-113	6/29/2022	6	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<14	<46	<46	5,500
BH-114	6/29/2022	6	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	<14	<45	<45	4,600
BH-115	6/29/2022	6	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<14	<48	<48	3,200
BH-116	6/29/2022	6	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<14	<48	<48	6,100
BH-117	6/29/2022	6	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<14	<45	<45	4,000
BH-118	6/29/2022	6	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<14	<48	<48	4,900
BH-119	6/29/2022	6	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<14	<48	<48	400
BH-120	6/29/2022	6	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<14	<46	<46	230
BH-121	6/29/2022	6	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<13	<44	<44	440
BH-122	6/29/2022	6	<0.023	<0.046	<0.046	<0.093	<0.093	<4.6	<14	<48	<48	610
BH-123	6/29/2022	6	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<13	<45	<45	730
BH-124	6/30/2022	6	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<15	<49	<49	1,700
BH-125	6/30/2022	6	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<15	<49	<49	5,000
BH-126	6/30/2022	6	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	20	<48	20	5,900
BH-127	6/30/2022	6	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	27	<50	27	4,900
BH-128	6/30/2022	6	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<14	<48	<48	1,600
BH-129	6/30/2022	6	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<14	<45	<45	91
BH-130	6/30/2022	6	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<15	<50	<50	2,700
BH-131	6/30/2022	6	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<14	<48	<48	<61
BH-132	6/30/2022	6	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<15	<48	<48	1,200
BH-133	6/30/2022	6	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<14	<47	<47	110

Table 1
Summary of Soil Analytical Data - Area A
Hornbaker BA Battery
EOG Resources
Eddy County, New Mexico

1						icy, item in		•			-	
										ТРН		
Sample ID	Sample Date	Depth (feet bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/M RO	Chloride
				Ta	ble I Closure Crit	eria for So	ils <50 fee	et Depth to	Groundwate	er 19.15.29 N	IMAC	
			10				50				100	600
BH-134	6/30/2022	6	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<15	<50	<50	5,500
BH-135	6/30/2022	6	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<14	<47	<47	1,500
BH-136	6/30/2022	6	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<15	<49	<49	4,800
BH-137	6/30/2022	6	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	<15	<49	<49	320
BH-138	6/30/2022	6	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<15	<49	<49	250
BH-139	6/30/2022	6	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<14	<48	<48	1,200
BH-141	6/30/2022	6	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<15	<49	<49	200
BH-142	6/30/2022	6	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<15	<48	<48	530
BH-144	6/30/2022	6	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<15	<49	<49	300
BH-145	6/30/2022	6	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<14	<47	<47	510
BH-153	6/30/2022	6	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<14	<47	<47	2,100
BH-154	6/30/2022	6	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<15	<49	<49	7,000
BH-155	6/30/2022	6	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<14	<48	<48	11,000
BH-156	6/30/2022	6	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<15	<49	<49	5,700
BH-157	6/30/2022	6	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<14	<48	<48	10,000
				Si	dewall Composit	e Confirma	ation Sam	ples				
SW-1	5/23/2022	0-6	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.5	<47	<47	530
SW-2	5/26/2022	0-6	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<10	<50	<50	310
SW-3	6/9/2022	8-20.5	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	40	<48	40	12,000
SW-4	6/9/2022	8-14	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<15	<50	<50	9,600
SW-5	6/9/2022	8-20.5	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<14	<46	<46	4,200
SW-6	6/9/2022	14-20.5	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<15	<50	<50	8,600
SW-7	6/9/2022	8-20.5	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<15	<50	<50	14,000
SW-8	6/9/2022	6-14	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	17	<44	17	8,700
SW-9	6/9/2022	6-14	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<14	<46	<46	6,500
SW-10	6/9/2022	8-20.5	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<15	<49	<49	4,900
SW-11	6/9/2022	8-14	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<13	<45	<45	4,400
SW-12	6/9/2022	8-14	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<15	<49	<49	14,000
SW-13	6/9/2022	8-14	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<15	<49	<49	7,000
SW-14	6/9/2022	6-14	<0.024	≥0:049	<0.049	≥0:097	<0.097	~A.Q_	62	45	107	3,900

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

										TPH		
Sample ID	Sample Date	Depth (feet bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/M RO	Chloride
				Ta	ble I Closure Crit	eria for So	ils <50 fee	et Depth to	Groundwate	er 19.15.29 N	IMAC	
			10				50				100	600
SW-14A	6/30/2022	6-14	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<14	<48	<48	8,900
SW-15	6/9/2022	6-8	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	19	<46	19	1,800
SW-16	6/9/2022	6-8	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<13	<45	<45	1,900
SW-17	6/14/2022	0-6	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<14	<47	<47	120
SW-26	6/15/2022	0-6	<0.024	<0.049	<0.049	0.10	0.10	<4.9	<15	<50	<50	99
SW-27	6/15/2022	0-6	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<15	<48	<48	<60
SW-28	6/15/2022	0-6	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<14	<48	<48	120
SW-29	6/15/2022	0-6	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<14	<47	<47	64
SW-30	6/15/2022	0-6	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	<14	<47	<47	<60
SW-31	6/15/2022	0-6	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<14	<47	<47	<60
SW-32	6/15/2022	0-6	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<14	<48	<48	<60
SW-33	6/15/2022	0-6	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<14	<48	<48	190
SW-34	6/15/2022	0-6	<0.023	<0.046	<0.046	<0.093	<0.093	<4.6	<15	<50	<50	290
SW-35	6/15/2022	0-6	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<15	<49	<49	<60
SW-36	6/15/2022	0-6	<0.024	<0.048	0.054	0.25	0.304	<4.8	<13	<44	<44	200
SW-37	6/15/2022	0-6	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<14	<46	<46	120
SW-38	6/30/2022	0-6	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	21	<48	21	430

Notes:

- 1. Values reported in mg/kg
- 5. TPH analyses by EPA Method SW 8015 Mod.
- 2. < = Value Less than Reporting Limit (RL) 6. GRO/DRO/MRO = Gasoline/Diesel/Motor Oil
- 3. Bold Indicates Analyte Detected
- 7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table 1 Closure Criteria for the site.
- 4. BTEX analyses by EPA Method SW 802. 8. Peach shaded cells indicate analytical samples that exceed the NMAC 19.15.29.13 Table 1 Closure Criteria for the site (Surface to 4 Feet Below Grade).
- B-BH-2 Sample Point Excavated
- 9. Liner installed over area as per the approved work plan.

Table 1 Summary of Soil Analytical Data - Area B Hornbaker BA Battery EOG Resources Eddy County, New Mexico

									TF	PH		
Sample ID	Sample	Depth	Benzene	Toluene	Ethylbenzene	Xylenes	втех	GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/ MRO	Chloride
	Date	(feet bgs)			Table I Closure C	riteria for S	oils >10	0 feet Depth	to Groundwat	er 19.15.29 N	MAC	
			10				50	1,0	000		2,500	20,000
		<u>'</u>		Во	ttom Hole Comp	osite Confi	rmation	Samples			,	
BH-28	6/14/2022	4	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	92	110	202	280
BH-29	6/14/2022	4	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	210	200	410	1,100
BH-30	6/14/2022	4	<0.023	<0.046	<0.046	<0.093	<0.093	<4.6	37	96	133	720
BH-31	6/14/2022	4	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<15	<50	<50	1,100
BH-32	6/14/2022	4	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	83	89	172	490
BH-33	6/14/2022	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	140	200	340	1,700
BH-34	6/14/2022	4	<0.023	<0.046	<0.046	<0.092	<0.092	<4.6	100	130	230	2,400
BH-35	6/14/2022	4	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	43	<48	43	740
BH-36	6/14/2022	4	<0.024	< 0.049	<0.049	<0.097	<0.097	<4.9	100	140	240	450
BH-37	6/14/2022	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	69	110	179	2,200
BH-38	6/14/2022	4	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	160	180	340	1,800
BH-39	6/14/2022	4	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	36	60	96	2,300
BH-40	6/14/2022	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	82	100	182	1,100
BH-41	6/14/2022	4	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	79	120	199	2,000
BH-42	6/14/2022	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	160	190	350	2,400
BH-43	6/14/2022	4	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	88	120	208	2,500
BH-44	6/14/2022	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	40	87	127	3,200
BH-45	6/14/2022	4	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	56	110	166	3,200
BH-46	6/14/2022	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	62	82	144	3,200
BH-47	6/14/2022	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<14	<47	<47	210
BH-48	6/14/2022	4	<0.025	<0.049	<0.049	<0.099	<0.099	<5.0	110	150	260	3,100
BH-49	6/14/2022	4	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	64	100	164	3,000
BH-50	6/14/2022	4	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	78	100	178	2,300
BH-51	6/14/2022	4	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	36	64	100	1,700
BH-52	6/14/2022	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	24	51	75	1,400
BH-53	6/14/2022	4	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<15	<50	<50	8,700
BH-54	6/14/2022	4	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<15	<49	<49	1,500
BH-55	6/14/2022	4	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<15	<49	<49	3,800
BH-56	6/14/2022	4	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<15	<49	<49	3,300

Table 1 Summary of Soil Analytical Data - Area B Hornbaker BA Battery EOG Resources Eddy County, New Mexico

									TI	PH		
Sample ID	Sample	Depth	Benzene	Toluene	Ethylbenzene	Xylenes	втех	GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/ MRO	Chloride
,	Date	(feet bgs)			Table I Closure C	riteria for S	Soils >10	0 feet Depth	to Groundwat	er 19.15.29 N	MAC	
			10				50	1,0	000		2,500	20,000
BH-57	6/14/2022	6	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	68	130	198	1,100
BH-58	6/15/2022	4	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<15	<50	<50	1,900
BH-59	6/15/2022	4	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<15	<49	<49	1,600
BH-60	6/15/2022	4	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<15	<50	<50	2,000
BH-61	6/15/2022	4	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<15	<50	<50	4,300
BH-62	6/15/2022	4	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<15	<49	<49	130
BH-63	6/15/2022	4	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	110	160	270	2,700
BH-64	6/15/2022	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	45	82	127	2,500
BH-65	6/15/2022	4	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	98	110	208	2,800
BH-66	6/15/2022	4	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	54	78	132	1,800
BH-67	6/15/2022	4	<0.024	< 0.047	<0.047	<0.094	<0.094	<4.7	140	170	310	3,200
BH-68	6/15/2022	4	<0.023	<0.046	<0.046	<0.092	<0.092	<4.6	48	93	141	2,000
BH-69	6/15/2022	4	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	69	120	189	2,300
BH-70	6/15/2022	4	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	66	100	166	2,400
BH-71	6/15/2022	4	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	69	110	179	2,700
BH-72	6/15/2022	4	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	62	100	162	2,700
BH-73	6/15/2022	4	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	69	110	179	2,600
BH-140	6/30/2022	6	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<15	<50	<50	250
BH-143	6/30/2022	6	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<14	<48	<48	980
BH-146	6/30/2022	6	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<15	<49	<49	1,500
BH-147	6/30/2022	6	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	<15	<49	<49	550
BH-148	6/30/2022	6	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<15	<50	<50	5,300
BH-149	6/30/2022	6	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<14	<48	<48	2,000
BH-150	6/30/2022	6	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<15	<48	<48	11,000
BH-151	6/30/2022	6	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<15	<49	<49	4,400
BH-152	6/30/2022	6	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	<15	<50	<50	6,600

Table 1 Summary of Soil Analytical Data - Area B Hornbaker BA Battery EOG Resources Eddy County, New Mexico

									TF	PH		
Sample ID	Sample	Depth	Benzene	Toluene	Ethylbenzene	Xylenes	втех	GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/ MRO	Chloride
	Date	(feet bgs)			Table I Closure C	riteria for S	oils >10	0 feet Depth	to Groundwat	er 19.15.29 N	MAC	
			10				50	1,0	000		2,500	20,000
					Sidewall Compos	ite Confirm	ation Sa	mples			•	
SW-18	6/14/2022	4-6	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	120	190	310	270
SW-19	6/14/2022	0-4	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<15	<49	<49	<60
SW-20	6/14/2022	0-4	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	<14	<47	<47	77
SW-21	6/14/2022	4-6	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	37	80	117	190
SW-22	6/14/2022	0-4	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<13	<45	<45	<60
SW-23	6/14/2022	0-4	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<15	<50	<50	210
SW-24	6/14/2022	4-6	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	43	110	153	1,900
SW-25	6/14/2022	4-6	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	90	160	250	890
SW-39	6/30/2022	4-6	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<14	<47	<47	1,700

Notes:

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

B-BH-2 Sample Point Excavated

- 5. TPH analyses by EPA Method SW 8015 Mod.
- 6. GRO/DRO/MRO = Gasoline/Diesel/Motor Oil
- 7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table 1 Closure Criteria for the site.
- 8. Peach shaded cells indicate analytical samples that exceed the NMAC 19.15.29.13 Table 1 Closure Criteria for the site (Surface to 4 Feet Below Grade).
- 9. Liner installed over area as per the approved work plan.

Attachment A Laboratory Analytical Reports and Chain-of-Custoday Documentation



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

May 25, 2022

Becky Haskell GHD Midland 2135 S Loop 250 W Midland, TX 79703

TEL: (432) 686-0086

FAX:

RE: Hornbaker BA Battery OrderNo.: 2205794

Dear Becky Haskell:

Hall Environmental Analysis Laboratory received 1 sample(s) on 5/18/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com 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 2205794

Date Reported: 5/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-1

 Project:
 Hornbaker BA Battery
 Collection Date: 5/16/2022 1:15:00 PM

 Lab ID:
 2205794-001
 Matrix: SOIL
 Received Date: 5/18/2022 8:27:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	: NAI
Chloride	3700	150	mg/Kg	50	5/20/2022 10:38:09 AM	67579
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analys	t: SB
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	5/20/2022 2:33:50 PM	67547
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	5/20/2022 2:33:50 PM	67547
Surr: DNOP	85.2	51.1-141	%Rec	1	5/20/2022 2:33:50 PM	67547
EPA METHOD 8015D: GASOLINE RANGE					Analys	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	5/19/2022 7:10:54 PM	67544
Surr: BFB	97.9	37.7-212	%Rec	1	5/19/2022 7:10:54 PM	67544
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.025	mg/Kg	1	5/19/2022 7:10:54 PM	67544
Toluene	ND	0.049	mg/Kg	1	5/19/2022 7:10:54 PM	67544
Ethylbenzene	ND	0.049	mg/Kg	1	5/19/2022 7:10:54 PM	67544
Xylenes, Total	ND	0.099	mg/Kg	1	5/19/2022 7:10:54 PM	67544
Surr: 4-Bromofluorobenzene	97.9	70-130	%Rec	1	5/19/2022 7:10:54 PM	67544

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

WO#: **2205794**

25-May-22

Client: GHD Midland

Project: Hornbaker BA Battery

Sample ID: MB-67579 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 67579 RunNo: 88138

Prep Date: 5/19/2022 Analysis Date: 5/19/2022 SeqNo: 3125317 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-67579 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 67579 RunNo: 88138

Prep Date: 5/19/2022 Analysis Date: 5/19/2022 SeqNo: 3125318 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 96.5 90 110

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 2 of 6

Hall Environmental Analysis Laboratory, Inc.

Analysis Date: 5/20/2022

PQL

SPK value

5.000

Result

4.2

WO#: 2205794

25-May-22

Client: GHD Midland

Project: Hornbaker BA Battery

Sample ID: LCS-67589	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics				
Client ID: LCSS	Batch ID: 67589	RunNo: 88170				
Prep Date: 5/20/2022	Analysis Date: 5/20/2022	SeqNo: 3126837 Units: %Rec				
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual				
Surr: DNOP	4.6 5.000	91.7 51.1 141				
Sample ID: MB-67589	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics				
Client ID: PBS	Batch ID: 67589	RunNo: 88170				
Prep Date: 5/20/2022	Analysis Date: 5/20/2022	SeqNo: 3126838 Units: %Rec				
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual				
Surr: DNOP	9.0 10.00	90.1 51.1 141				
Sample ID: LCS-67548	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics				
Client ID: LCSS	Batch ID: 67548	RunNo: 88170				
Prep Date: 5/19/2022	Analysis Date: 5/20/2022	SeqNo: 3126893 Units: %Rec				
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual				
Surr: DNOP	5.00 5.000	101 51.1 141				
Sample ID: LCS-67573	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics				
Client ID: LCSS	Batch ID: 67573	RunNo: 88170				

Units: %Rec

HighLimit

141

%RPD

RPDLimit

Qual

Sample ID: LCS-67574	CS-67574 SampType: LCS Tes			estCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID:	67574	F	RunNo: 8	3170					
Prep Date: 5/19/2022	Analysis Date:	5/20/2022	9	SeqNo: 3	126895	Units: %Rec	;			
Analyte	Result PQ	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr DNOP	4.6	5.000		91.5	51.1	141				

SPK Ref Val

SeqNo: 3126894

LowLimit

51.1

%REC

84.9

Sample ID: MB-67548	SampType: MBLK	SampType: MBLK TestCode: EPA Method 8				Organics	
Client ID: PBS	Batch ID: 67548		RunNo: 88170				
Prep Date: 5/19/2022	Analysis Date: 5/20/2	022	SeqNo: 3126897	Units: %Rec			
Analyte	Result PQL SF	PK value SPK Ref Val	%REC LowLimit	HighLimit	%RPD	RPDLimit	Qual
O DNOD	4.4	40.00	440 54.4	4.44			

10.00 51.1 141 Surr: DNOP 11 112

Qualifiers:

Prep Date:

Surr: DNOP

Analyte

5/19/2022

- 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 3 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#: 2205794

25-May-22

Client: GHD Midland

Project: Hornbaker BA Battery

Sample ID: MB-67573 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics PBS Client ID: Batch ID: 67573 RunNo: 88170

Prep Date: 5/19/2022 Analysis Date: 5/20/2022 SeqNo: 3126898 Units: %Rec

SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte Result LowLimit Qual Surr: DNOP 9.2 10.00 91.6 51 1 141

Sample ID: MB-67574 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PBS Batch ID: 67574 RunNo: 88170 Prep Date: 5/19/2022 Analysis Date: 5/20/2022 SeqNo: 3126899 Units: %Rec %REC %RPD **RPDLimit** Analyte Result **PQL** SPK value SPK Ref Val LowLimit HighLimit Qual Surr: DNOP 10 10.00 103 51.1 141

Sample ID: LCS-67547 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 67547 Prep Date: Analysis Date: 5/20/2022 SeqNo: 3126924 Units: mg/Kg 5/18/2022 SPK value SPK Ref Val Analyte Result POI %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) 46 10 0 91.7 64.4 50.00 Surr: DNOP 4.4 5.000 87.3 51.1 141

Sample ID: MB-67547 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PBS Batch ID: 67547 RunNo: 88170 Units: mg/Kg Prep Date: 5/18/2022 Analysis Date: 5/20/2022 SeqNo: 3126925 %RPD Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit **RPDLimit** Qual Diesel Range Organics (DRO) ND 10 Motor Oil Range Organics (MRO) ND 50 Surr: DNOP 11 10.00 113 51 1 141

Qualifiers:

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

Page 4 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#: **2205794**

25-May-22

Client: GHD Midland

Project: Hornbaker BA Battery

Sample ID: mb-67544	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range
---------------------	----------------	--

Client ID: PBS Batch ID: 67544 RunNo: 88115

Prep Date: 5/18/2022 Analysis Date: 5/19/2022 SeqNo: 3124661 Units: mq/Kq

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

Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 960 1000 96.3 37.7 212

Sample ID: Ics-67544 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 67544 RunNo: 88115

Prep Date: 5/18/2022 Analysis Date: 5/19/2022 SeqNo: 3124662 Units: mg/Kg

Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 28 25.00 72.3 137 Surr: BFB 2200 1000 223 37.7 212 S

Sample ID: mb-67550 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: **PBS** Batch ID: **67550** RunNo: **88115**

Prep Date: 5/18/2022 Analysis Date: 5/20/2022 SeqNo: 3124685 Units: %Rec

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

Surr: BFB 970 1000 97.4 37.7 212

Sample ID: Ics-67550 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 67550 RunNo: 88115

Prep Date: 5/18/2022 Analysis Date: 5/19/2022 SeqNo: 3124686 Units: %Rec

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 2100 1000 37.7 Surr: BFB 212 212

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 5 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#: **2205794 25-May-22**

Client: GHD Midland

Project: Hornbaker BA Battery

Sample ID: mb-67544	Samp1	SampType: MBLK TestCode: EPA Method			8021B: Volati	les				
Client ID: PBS	Batcl	n ID: 675	544	RunNo: 88115						
Prep Date: 5/18/2022	Analysis D	Date: 5/ 1	19/2022	(SeqNo: 3	124723	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	0.97		1.000		97.0	70	130			
Sample ID: LCS-67544	SampT	ype: LC	S TestCode: EPA Method 8021B: Volatiles							

Sample ID: LCS-67544	Sampl	SampType: LCS TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batcl	n ID: 675	544	RunNo: 88115						
Prep Date: 5/18/2022	Analysis D	Date: 5/ 1	19/2022	5	SeqNo: 31	124728	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	1.000	0	94.0	80	120			
Toluene	0.97	0.050	1.000	0	97.0	80	120			
Ethylbenzene	0.98	0.050	1.000	0	97.6	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.3	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		103	70	130			

Sample ID: mb-67550	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles
Client ID: PBS	Batch ID: 67550	RunNo: 88115
Prep Date: 5/18/2022	Analysis Date: 5/20/2022	SeqNo: 3124799 Units: %Rec
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: 4-Bromofluorobenzene	1.0 1.000	100 70 130

Sample ID: LCS-67550	SampT	SampType: LCS TestCode: EPA Method 8			8021B: Volati	es				
Client ID: LCSS	Batch	ID: 67	550	F	RunNo: 88	3115				
Prep Date: 5/18/2022	Analysis D	ate: 5/ 2	20/2022	9	SeqNo: 31	124807	Units: %Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1 000		102	70	130			

Qualifiers:

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

Page 6 of 6

Hall Environmental Analysis Laboratory 4901 Hawkins NE

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

Sample Log-In Check List

Albuquerque, NM 87109 LABORATORY Website: www.hallenvironmental.com

Client Name:	GHD Midland	Work Order Number	r: 22 0	5794		RcptN	o: 1
Received By:	Joseph Alderette	5/17/2022 8:27:00 AM	1		<i>y</i> 24		
Completed By:	Desiree Dominguez	5/18/2022 9:00:05 AM	1		THE		
Reviewed By:	MU 5.18.	22			113		
Chain of Custo	ody						
1. Is Chain of Cus	stody complete?		Yes	✓	No 🗌	Not Present	
2. How was the sa	ample delivered?		<u>Cou</u>	rier			
<u>Log In</u>							
3. Was an attempt	t made to cool the samples?		Yes	✓	No 🗌	NA 🗌	
4. Were all sample	es received at a temperature o	f >0° C to 6.0°C	Yes	✓	No 🗌	NA 🗆	
5. Sample(s) in pro	oper container(s)?		Yes	✓	No 🗌		
	e volume for indicated test(s)?		Yes	✓	No 🗌		
	cept VOA and ONG) properly	preserved?	Yes	✓	No 🗌		
8. Was preservative	e added to bottles?		Yes		No 🗸	NA 🗌	
9. Received at leas	st 1 vial with headspace <1/4"	for AQ VOA?	Yes		No 🗌	NA 🗹	
10. Were any samp	le containers received broken	?	Yes		No 🗸	# of preserved	
11. Does paperwork (Note discrepand	match bottle labels? cies on chain of custody)		Yes	V	No 🗌	bottles checked for pH:	r >12 unless-noted)
	rectly identified on Chain of Co	ustody?	Yes	v	No 🗌	Adjusted?	7 12 dillegs floted)
	nalyses were requested?			✓	No 🗌		
14. Were all holding (If no, notify custom	times able to be met? omer for authorization.)		Yes	✓	No 🗌	Checked by:	JN5/18/22
Special Handling	g (if applicable)				•		
	ed of all discrepancies with thi	s order?	Yes		No 🗌	NA 🗹	
Person No	etified:	Date:	********				
By Whom:		Via:	eMa	il Ph	one Fax	In Person	
Regarding	:		NAME AND ADDRESS OF THE OWNER,				
Client Instr	ructions:		***************************************	A SECURITION OF THE PARTY OF TH			
16. Additional remains	rks:						
17. <u>Cooler Informa</u> Cooler No		Intact Seal No Se	eal Da	te S	Signed By		
1 5	5 Cood				.g.iou by		

Received by OCD: 9/15/2022 7:57:	2:57 PM	Page 33 of 3	54
A X			
HALL ENVIRONMENTAL ANALYSIS LABORATOR www.hallenvironmental.com kins NE - Albuquerque, NM 87109 345-3975 Fax 505-345-4107 Analysis Request			port.
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N 87. 4107	(hloride M 300		e analy
al.co	Total Coliform (Present/Abser	25. Con 25. Co	d on th
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HALL ENVIRONME ANALYSIS LABOR www.hallenvironmental.com kins NE - Albuquerque, NM 87109 345-3975 Fax 505-345-4107 Analysis Request	(AOV) 09S8	445. Com. Sec. 606 Esources. 606 The Com.	clearly
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HALL ANAL www.ha Hawkins NE 505-345-3975	RCRA 8 Metals	Ener 1 100	d data
ww wkins 345-	CHAS by 8310 or 8270SIMS		ntracte
######################################	8081 Pesticides/8082 PCB's EDB (Method 504.1)	Siphase Eme Comino @ Griffing El	oo-qns
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Rush BA	14c. 5/ce 11 th. Boyd TYPES including CF): 5.		Drature
	14c. 5/2. Att. B. In Yes. 14. Breserv	A / Z / A / A iii.	leu ian
Turn-Around Time: Standard Project Name: Horn Laker Project #:	Sampler: Health. Boyde GHD. Conno Sampler: Health. Boyde GHD. Conno On Ice: In Yes In No Cooler Temp(including cr): 55 - 0 = 55 (Cooler Type and # Type All No. Type	Received by: With the sound of	שררו בינו שררו בינו
Turn-Around Ti	Sampler: Heart On Ice: E # of Coolers: † Cooler Templing Container P		2
Turn-Arou Stand Project N Horn E Project #:	Sampler: / On Ice: # of Coole Cooler Te Container Type and	Received by:	וכובה וי
			7
0rd 3 5	☐ Level 4 (Full Validation) npliance Sample Name		3
103	Valid		1
Sustody Rec 35 S. loop Co 79703 76-0086	□ Level 4 (Full Vnpliance		
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0f.	☐ Level☐ Az Compliance☐ ☐ Other☐ ☐ Matrix Sample☐	Relinquished by:	Ĺ
Jain-o			;
Client: CHAD Client: CHAD Mailing Address: 2135 S. Cop ZSO U Micland, TX 79703 Phone #: 432-686-0086 email or Fax#: Tom. Carson @ CHAD. Con	QA/QC Package: ☐ Standard Accreditation: ☐ NELAC ☐ EDD (Type) ☐ EDD (Type)	5/16 1315 5/16 730 5/18 900 If necessary	This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.
Client: (A)	OA/QC Packs ☐ Standard Accreditation ☐ NELAC ☐ EDD (Typ		
	QA/Q QA/Q Date	5/16 Sate:	



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

June 01, 2022

Becky Haskell GHD Midland 2135 S Loop 250 W Midland, TX 79703

TEL: (432) 686-0086

FAX:

RE: Hornbaker BA Battery OrderNo.: 2205879

Dear Becky Haskell:

Hall Environmental Analysis Laboratory received 1 sample(s) on 5/19/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order **2205879**

Date Reported: 6/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-2

 Project:
 Hornbaker BA Battery
 Collection Date: 5/17/2022 1:00:00 PM

 Lab ID:
 2205879-001
 Matrix: SOIL
 Received Date: 5/19/2022 7:45:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	3500	150	mg/Kg	50	5/25/2022 10:32:55 AM	67663
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	5/24/2022 1:38:53 AM	67593
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	5/24/2022 1:38:53 AM	67593
Surr: DNOP	89.6	51.1-141	%Rec	1	5/24/2022 1:38:53 AM	67593
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	5/23/2022 5:45:41 PM	67591
Surr: BFB	95.5	37.7-212	%Rec	1	5/23/2022 5:45:41 PM	67591
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.023	mg/Kg	1	5/23/2022 5:45:41 PM	67591
Toluene	ND	0.047	mg/Kg	1	5/23/2022 5:45:41 PM	67591
Ethylbenzene	ND	0.047	mg/Kg	1	5/23/2022 5:45:41 PM	67591
Xylenes, Total	ND	0.094	mg/Kg	1	5/23/2022 5:45:41 PM	67591
Surr: 4-Bromofluorobenzene	97.0	70-130	%Rec	1	5/23/2022 5:45:41 PM	67591

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte 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#: **2205879** *01-Jun-22*

Client: GHD Midland

Project: Hornbaker BA Battery

Sample ID: MB-67663 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: **PBS** Batch ID: **67663** RunNo: **88242**

Prep Date: 5/24/2022 Analysis Date: 5/24/2022 SeqNo: 3129332 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-67663 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 67663 RunNo: 88242

Prep Date: 5/24/2022 Analysis Date: 5/24/2022 SeqNo: 3129333 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 Quantitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 2 of 5

Hall Environmental Analysis Laboratory, Inc.

Result

5.4

PQL

2205879 01-Jun-22

WO#:

Client: GHD Midland

Project: Hornbaker BA Battery

rroject: nombake	er da dattery										
Sample ID: LCS-67593	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 67593	RunNo: 88200									
Prep Date: 5/20/2022	Analysis Date: 5/23/2022	SeqNo: 3127566	Units: mg/Kg								
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual								
Diesel Range Organics (DRO)	59 10 50.00	0 118 64.4	127								
Surr: DNOP	6.6 5.000	132 51.1	141								
Sample ID: MB-67593	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 67593	RunNo: 88200									
Prep Date: 5/20/2022	Analysis Date: 5/23/2022	SeqNo: 3127569	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	111 51.1	141								
Sample ID: MB-67666	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 67666	RunNo: 88263									
Prep Date: 5/24/2022	Analysis Date: 5/26/2022	SeqNo: 3131422	Units: %Rec								
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual								
Surr: DNOP	10 10.00	101 51.1	141								
Sample ID: LCS-67666	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Organics								
Client ID: LCCC	Datab ID: C7CCC	D N 2222									
Client ID: LCSS Batch ID: 67666 RunNo: 88263 Prep Date: 5/24/2022 Analysis Date: 5/26/2022 SeqNo: 3131423 Units: %Rec											

SPK value SPK Ref Val %REC

5.000

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 interference
- B Analyte detected in the associated Method Blank

LowLimit

51.1

108

HighLimit

141

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

Page 3 of 5

%RPD

RPDLimit

Qual

Hall Environmental Analysis Laboratory, Inc.

WO#:

01-Jun-22

2205879

Client: GHD Midland

Client ID:

Surr: BFB

LCSS

Project: Hornbaker BA Battery

Sample ID: mb-67591 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range Client ID: PBS Batch ID: 67591 RunNo: 88206

Prep Date: 5/20/2022 Analysis Date: 5/23/2022 SeqNo: 3126931 Units: mq/Kq

SPK value SPK Ref Val HighLimit %RPD **RPDLimit** Qual

Analyte Result PQL %REC LowLimit Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 910 1000 90.7 37.7 212

Sample ID: Ics-67591 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Prep Date: Analysis Date: 5/23/2022 5/20/2022

SeqNo: 3126933 Units: mg/Kg

Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 26 25.00 104 72.3 137

RunNo: 88206

201

37.7

212

Sample ID: mb-67605 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

1000

Client ID: Batch ID: 67605 RunNo: 88206

2000

Batch ID: 67591

Prep Date: 5/20/2022 Analysis Date: 5/24/2022 SeqNo: 3126958 Units: %Rec

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

Surr: BFB 920 1000 91.8 37.7

Sample ID: Ics-67605 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 67605 RunNo: 88206

Prep Date: Analysis Date: 5/23/2022 5/20/2022 SeqNo: 3126959 Units: %Rec

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

2000 1000 Surr: BFB 200 37.7 212

Qualifiers:

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

Page 4 of 5

Hall Environmental Analysis Laboratory, Inc.

2205879 01-Jun-22

WO#:

Client: GHD Midland

Project: Hornbaker BA Battery

Sample ID: mb-67591	Samp	Гуре: МЕ	BLK	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: PBS	Batcl	h ID: 675	591	F	RunNo: 8	3206				
Prep Date: 5/20/2022	Analysis [Date: 5/ 2	23/2022	9	SeqNo: 3	126980	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	0.95		1.000		95.1	70	130			

Sample ID: LCS-67591	Samp	Type: LC	S	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: LCSS	Batcl	h ID: 675	591	F	RunNo: 88	3206				
Prep Date: 5/20/2022	Analysis [Date: 5/2	23/2022	5	SeqNo: 31	126981	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	93.2	80	120			
Toluene	0.96	0.050	1.000	0	96.0	80	120			
Ethylbenzene	0.97	0.050	1.000	0	97.0	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.3	80	120			
Surr: 4-Bromofluorobenzene	0.99		1.000		99.0	70	130			

Sample ID: mb-67605	SampType:	MBLK	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: PBS	Batch ID:	67605	F	RunNo: 88	3206				
Prep Date: 5/20/2022	Analysis Date:	5/24/2022	9	SeqNo: 31	127001	Units: %Rec			
Analyte	Result PO	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.95	1.000	<u> </u>	95.4	70	130		<u> </u>	

Sample ID: LCS-67605	SampT	ype: LC	s	Tes	tCode: EF	PA Method	8021B: Volati	es		
Client ID: LCSS	Batch	ID: 676	605	F	RunNo: 88	3206				
Prep Date: 5/20/2022	5	SeqNo: 31	127002	Units: %Rec						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	U 00		1 000		98.8	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 interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 5 of 5



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

Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: GHD Midland	Work Order Nun	nber: 2205879		RcptNo: 1	
Received By: Cheyenne Cason	5/19/2022 7:45:00	АМ	Chul		
Completed By: Sean Livingston	5/19/2022 8:48:39	AM	Chul S.L.	note	
Reviewed By: In 5/19/2	2		5,20,		
Chain of Custody	*				
1. Is Chain of Custody complete?		Yes 🗸	No 🗌	Not Present	
2. How was the sample delivered?		Courier			
<u>Log In</u>					
Was an attempt made to cool the s	amples?	Yes 🗸	No 🗌	NA 🗌	
4. Were all samples received at a tem	perature of >0° C to 6.0°C	Yes 🔽	No 🗌	NA 🗆	
5. Sample(s) in proper container(s)?		Yes 🗸	No 🗌		
6. Sufficient sample volume for indicat	ed test(s)?	Yes 🗸	No 🗌		
7. Are samples (except VOA and ONG	6) properly preserved?	Yes 🗸	No 🗌		
8. Was preservative added to bottles?		Yes	No 🗸	NA 🗌	
9. Received at least 1 vial with headsp	ace <1/4" for AQ VOA?	Yes	No 🗌	NA 🗹	
0. Were any sample containers receive	ed broken?	Yes	No 🗹	# of preserved	
1 Door nonequally works house to be	•			bottles checked	
 Does paperwork match bottle labels (Note discrepancies on chain of cus 		Yes 🗸	No 📙	for pH: (<2 or >#	2 unless noted)
2. Are matrices correctly identified on	•	Yes 🗸	No 🗆	Adjusted?	z amoso notou)
3. Is it clear what analyses were reque		Yes 🗸	No 🗆		
 Were all holding times able to be median (If no, notify customer for authorizat) 		Yes 🗸	No 🗆	Checked by:	PUS-19
pecial Handling (if applicable					
5. Was client notified of all discrepand	-	Yes	No 🗌	NA 🗹	
Person Notified:	Date	:			
By Whom:	Via:	eMail F	hone Fax	☐ In Person	
Regarding:					
Client Instructions:					
6. Additional remarks:					
7 Cooler Information					
7. Cooler Information Cooler No Temp °C Condit	ion Seal Intact Seal No	Seal Date	Signed By		
1 3.3 Good	South Made Courte	Jour Date	oigned by		

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.	1 mily as 1 mils	ime: Relinquished by:	12 1700	e: Time: Relinquished by:	2022	7:57	7:57	PM					5/h 1300 S BH-Z	Date Time Matrix Sample Name		□ EDD (Type)	□ NELAC □ Other	Accreditation: Az Compliance	☐ Standard ☐ Level 4 (Full Validation)	QA/QC Package:	email or Fax#: Tom. La, Son @ Coft. Com	439-626-0	Midland TX 79703	Mailing Address: 2 / 5 5 . (οσρ 250 ω.	Pag	Wilent: SHY	Chain-of-Custody Record
ontracted to other accredited laboratories. This serves as notice o	One Com spale 0745	Via: Date T	MMMM 5/18/27 830										NA	Container Preservative HEAL No. Type and # Type 22つミアヲタ	Cooler Temp(Including CF): 3.4-0.123.3 (°		On Ice: ဩ Yes ☐ No	Sampler: Heath, Boyd @ GHOLO		Becky, Haskell QGHD, COM	Project Manager:	1122 8980	Project #:	Hornbaker BA Bettery	Project Name:	Standard & Rush S Daw	Turn-Around Time:
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Released to Imaging: 9/20/2022 3:31:55 PM



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

June 03, 2022

Becky Haskell GHD Midland 2135 S Loop 250 W Midland, TX 79703

TEL: (432) 686-0086

FAX:

RE: Hornbaker BA Battery OrderNo.: 2205A98

Dear Becky Haskell:

Hall Environmental Analysis Laboratory received 1 sample(s) on 5/25/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com 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 2205A98

Date Reported: 6/3/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-1

 Project:
 Hornbaker BA Battery
 Collection Date: 5/23/2022 12:20:00 PM

 Lab ID:
 2205A98-001
 Matrix: SOIL
 Received Date: 5/25/2022 7:15:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JMT
Chloride	530	60	mg/Kg	20	6/1/2022 5:12:57 AM	67796
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	5/27/2022 11:24:09 PM	67736
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	5/27/2022 11:24:09 PM	67736
Surr: DNOP	114	51.1-141	%Rec	1	5/27/2022 11:24:09 PM	67736
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: BRM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	5/28/2022 12:05:00 AM	67728
Surr: BFB	92.0	37.7-212	%Rec	1	5/28/2022 12:05:00 AM	67728
EPA METHOD 8021B: VOLATILES					Analys	t: BRM
Benzene	ND	0.025	mg/Kg	1	5/28/2022 12:05:00 AM	67728
Toluene	ND	0.050	mg/Kg	1	5/28/2022 12:05:00 AM	67728
Ethylbenzene	ND	0.050	mg/Kg	1	5/28/2022 12:05:00 AM	67728
Xylenes, Total	ND	0.099	mg/Kg	1	5/28/2022 12:05:00 AM	67728
Surr: 4-Bromofluorobenzene	92.1	70-130	%Rec	1	5/28/2022 12:05:00 AM	67728

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

Qualifiers:

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

Page 1 of 5

Hall Environmental Analysis Laboratory, Inc.

2205A98 03-Jun-22

WO#:

Client: GHD Midland

Project: Hornbaker BA Battery

Sample ID: MB-67796 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 67796 RunNo: 88375

Prep Date: 5/31/2022 Analysis Date: 5/31/2022 SeqNo: 3135693 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-67796 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 67796 RunNo: 88375

Prep Date: 5/31/2022 Analysis Date: 6/1/2022 SeqNo: 3135694 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 93.8 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.

2205A98 03-Jun-22

WO#:

Client: GHD Midland

Project: Hornbaker BA Battery

Sample ID: MB-67680 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics PBS Client ID: Batch ID: 67680 RunNo: 88246 Prep Date: 5/25/2022 Analysis Date: 5/26/2022 SeqNo: 3132682 Units: %Rec SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte Result LowLimit Qual

Surr: DNOP 9.3 10.00 93.1 51.1 141

Sample ID: LCS-67680 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 67680 RunNo: 88246 Prep Date: 5/25/2022 Analysis Date: 5/26/2022 SeqNo: 3132685 Units: %Rec %RPD **RPDLimit** Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit Qual Surr: DNOP 4.7 5.000 93 1 51.1 141

TestCode: EPA Method 8015M/D: Diesel Range Organics Sample ID: MB-67736 SampType: MBLK Client ID: **PBS** Batch ID: 67736 Prep Date: Analysis Date: 5/27/2022 SeqNo: 3133612 Units: mg/Kg 5/26/2022 Analyte Result POI SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) ND 10 Motor Oil Range Organics (MRO) ND 50 Surr: DNOP 11 10.00 108 51.1 141

TestCode: EPA Method 8015M/D: Diesel Range Organics Sample ID: LCS-67736 SampType: LCS Client ID: LCSS Batch ID: 67736 RunNo: 88246 Analysis Date: 5/27/2022 Prep Date: SeqNo: 3133613 5/26/2022 Units: mg/Kg Analyte Result POI SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) 51 10 50.00 0 102 64.4 Surr: DNOP 4.7 5.000 93.7 51.1 141

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte 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#: **2205A98** *03-Jun-22*

Client: GHD Midland

Project: Hornbaker BA Battery

Sample ID: Ics-67728 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 67728 RunNo: 88349

Prep Date: 5/26/2022 Analysis Date: 5/27/2022 SeqNo: 3133510 Units: mg/Kg

PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Analyte Result Gasoline Range Organics (GRO) 24 5.0 25.00 0 96.0 72.3 137

Surr: BFB 1800 1000 184 37.7 212

Sample ID: mb-67728 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 67728 RunNo: 88349

Prep Date: 5/26/2022 Analysis Date: 5/27/2022 SeqNo: 3133511 Units: mg/Kg

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

Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 880 1000 87.5 37.7 212

Qualifiers:

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

2205A98 03-Jun-22

WO#:

Client: GHD Midland

Project: Hornbaker BA Battery

Sample ID: Ics-67728	Samp	Гуре: LC	s	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: LCSS	Batcl	h ID: 677	728	F	RunNo: 88	3349				
Prep Date: 5/26/2022	Analysis [Date: 5/2	27/2022	9	SeqNo: 31	133559	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	93.2	80	120			
Toluene	0.94	0.050	1.000	0	94.5	80	120			
Ethylbenzene	0.92	0.050	1.000	0	91.9	80	120			
Xylenes, Total	2.7	0.10	3.000	0	91.2	80	120			
Surr: 4-Bromofluorobenzene	0.87		1.000		87.2	70	130			

Sample ID: mb-67728	Samp ⁻	Гуре: МЕ	BLK	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: PBS	Batc	h ID: 67 7	728	F	RunNo: 8	3349				
Prep Date: 5/26/2022	Analysis [Date: 5/ 2	27/2022	9	SeqNo: 3	133560	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	0.89		1.000		88.7	70	130			

Qualifiers:

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

Page 5 of 5



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

	ent Name:	GHD Midland	Work Order Nur	mber: 2205A98		RcptNo:	1
Rec	eived By:	Juan Rojas	5/25/2022 7:15:00) AM	Juan Eng		
Com	npleted By:	Cheyenne Cason	5/25/2022 9:07:29) AM	Charles		
Revi	iewed By:	01	JN5/25/22		Que		
<u>Cha</u>	in of Cus	tody					
1. Is	Chain of C	ustody complete?		Yes 🗸	No 🗌	Not Present	
2. H	low was the	sample delivered?		Courier			
	g In						
3. w	/as an attem	pt made to cool the sar	mples?	Yes 🗸	No 🗌	NA 🗌	
4. W	ere all samp	les received at a tempe	erature of >0° C to 6.0°C	Yes 🗸	No 🗌	NA 🗆	
5. Sa	ample(s) in բ	proper container(s)?		Yes 🗸	No 🗌		
6. Su	ufficient sam	ple volume for indicated	I test(s)?	Yes 🗸	No 🗌		
7. Ar	e samples (e	except VOA and ONG)	properly preserved?	Yes 🗹	No 🗌		
8. W	as preservat	ive added to bottles?		Yes	No 🗸	NA 🗆	
9. Re	eceived at lea	ast 1 vial with headspac	ce <1/4" for AQ VOA?	Yes	No 🗌	NA 🗹	
10. W	ere any sam	ple containers received	I broken?	Yes	No 🗸	# of preserved	
		rk match bottle labels? ncies on chain of custo	dy)	Yes 🗸	No 🗆	bottles checked for pH:	12 unless noted)
12. Are	e matrices c	orrectly identified on Ch	ain of Custody?	Yes 🗸	No 🗌	Adjusted?	/
		analyses were request		Yes 🗸	No 🗌		
		g times able to be met stomer for authorization		Yes 🗸	No 🗌	Checked by:	\$ 5-25-6
		ng (if applicable)					
		ified of all discrepancie	s with this order?	Yes	No 🗌	NA 🗸	
	Person I	Notified:	Date		MARINE SHEET SHEET SHEET SHEET		
	By Whor	m:	Via:	eMail F	Phone Fax	☐ In Person	
	Regardir	,					
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	dditional ren						
17. <u>c</u>	ooler Inforn Cooler No	nation Temp °C Condition	Saal Intact Cast No	Cool Date	0:		
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Chain-of-Custody Record	5		Addr	700	5	Fax	acka	lard	ation			Time	0221											Time: /600	Time:	If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories.
ပ	Client:		Mailing Address: 2 (3 S	Midlond	Phone #: 432	email or Fax#: Tom.	QA/QC Package:	□ Standard	Accreditation:	□ EDD (Tvpe)			- ^											-	3	=
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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

June 06, 2022

Becky Haskell GHD Midland 2135 S Loop 250 W Midland, TX 79703

TEL: (432) 686-0086

FAX:

RE: Hornbaker BA Battery OrderNo.: 2205B79

Dear Becky Haskell:

Hall Environmental Analysis Laboratory received 2 sample(s) on 5/26/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com 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 **2205B79**

Hall Environmental Analysis Laboratory, Inc. Date Reported: 6/6/2022

CLIENT: GHD Midland Client Sample ID: BH-3

 Project:
 Hornbaker BA Battery
 Collection Date: 5/25/2022 12:45:00 PM

 Lab ID:
 2205B79-001
 Matrix: SOIL
 Received Date: 5/26/2022 7:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JMT
Chloride	1300	61	mg/Kg	20	6/2/2022 1:03:29 AM	67841
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analys	t: SB
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	5/31/2022 3:26:27 PM	67767
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	5/31/2022 3:26:27 PM	67767
Surr: DNOP	85.2	51.1-141	%Rec	1	5/31/2022 3:26:27 PM	67767
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: BRM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	5/29/2022 2:22:00 AM	67752
Surr: BFB	91.2	37.7-212	%Rec	1	5/29/2022 2:22:00 AM	67752
EPA METHOD 8021B: VOLATILES					Analys	t: BRM
Benzene	ND	0.024	mg/Kg	1	5/29/2022 2:22:00 AM	67752
Toluene	ND	0.049	mg/Kg	1	5/29/2022 2:22:00 AM	67752
Ethylbenzene	ND	0.049	mg/Kg	1	5/29/2022 2:22:00 AM	67752
Xylenes, Total	ND	0.097	mg/Kg	1	5/29/2022 2:22:00 AM	67752
Surr: 4-Bromofluorobenzene	90.4	70-130	%Rec	1	5/29/2022 2:22:00 AM	67752

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte 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 **2205B79**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 6/6/2022

CLIENT: GHD Midland Client Sample ID: BH-4

 Project:
 Hornbaker BA Battery
 Collection Date: 5/25/2022 12:50:00 PM

 Lab ID:
 2205B79-002
 Matrix: SOIL
 Received Date: 5/26/2022 7:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JMT
Chloride	740	60	mg/Kg	20	6/2/2022 1:40:31 AM	67841
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analys	t: SB
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	5/31/2022 3:37:11 PM	67767
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	5/31/2022 3:37:11 PM	67767
Surr: DNOP	88.6	51.1-141	%Rec	1	5/31/2022 3:37:11 PM	67767
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: BRM
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	5/29/2022 2:42:00 AM	67752
Surr: BFB	91.7	37.7-212	%Rec	1	5/29/2022 2:42:00 AM	67752
EPA METHOD 8021B: VOLATILES					Analys	t: BRM
Benzene	ND	0.023	mg/Kg	1	5/29/2022 2:42:00 AM	67752
Toluene	ND	0.047	mg/Kg	1	5/29/2022 2:42:00 AM	67752
Ethylbenzene	ND	0.047	mg/Kg	1	5/29/2022 2:42:00 AM	67752
Xylenes, Total	ND	0.093	mg/Kg	1	5/29/2022 2:42:00 AM	67752
Surr: 4-Bromofluorobenzene	88.2	70-130	%Rec	1	5/29/2022 2:42:00 AM	67752

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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#: **2205B79**

06-Jun-22

Client: GHD Midland

Project: Hornbaker BA Battery

Sample ID: MB-67841 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: **PBS** Batch ID: **67841** RunNo: **88422**

Prep Date: 6/1/2022 Analysis Date: 6/1/2022 SeqNo: 3137026 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-67841 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 67841 RunNo: 88422

Prep Date: 6/1/2022 Analysis Date: 6/1/2022 SeqNo: 3137027 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 92.3 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

Page 3 of 6

Hall Environmental Analysis Laboratory, Inc.

4.2

WO#: 2205B79 06-Jun-22

Client: GHD Midland

Project: Hornbaker BA Battery

Sample ID: MB-67767	SampT	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batcl	n ID: 677	'67	F	RunNo: 8	3367						
Prep Date: 5/27/2022	Analysis D	Date: 5/ 3	31/2022	5	SeqNo: 3	134570	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		100	51.1	141					

5.000

Sample ID: LCS-67767 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 67767 RunNo: 88367 Prep Date: 5/27/2022 Analysis Date: 5/31/2022 SeqNo: 3134571 Units: mg/Kg SPK value SPK Ref Val %REC HighLimit %RPD Analyte PQL LowLimit **RPDLimit** Qual 50.00 Diesel Range Organics (DRO) 47 10 0 93.9 64.4 127

84.8

51.1

141

Qualifiers:

Surr: DNOP

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix interference

Analyte detected in the associated Method Blank

Estimated value

Analyte detected below quantitation limits

Sample pH Not In Range

RL Reporting Limit Page 4 of 6

Hall Environmental Analysis Laboratory, Inc.

Result

WO#: **2205B79**

06-Jun-22

Client: GHD Midland

Project: Hornbaker BA Battery

Sample ID: Ics-67752 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range Client ID: LCSS Batch ID: 67752 RunNo: 88354 Units: mg/Kg Prep Date: 5/27/2022 Analysis Date: 5/28/2022 SeqNo: 3133718 **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Analyte Result Qual Gasoline Range Organics (GRO) 24 5.0 25.00 0 94.6 72.3 137 Surr: BFB 1900 1000 193 37.7 212

Sample ID: mb-67752 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range
Client ID: PBS Batch ID: 67752 RunNo: 88354
Prep Date: 5/27/2022 Analysis Date: 5/28/2022 SeqNo: 3133719 Units: mg/Kg

LowLimit

HighLimit

%RPD

RPDLimit

Qual

SPK value SPK Ref Val %REC

Gasoline Range Organics (GRO) ND 5.0

Analyte

Surr: BFB 960 1000 95.9 37.7 212

PQL

Qualifiers:

- Value exceeds Maximum Contaminant 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#: **2205B79** *06-Jun-22*

Client: GHD Midland

Project: Hornbaker BA Battery

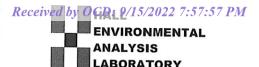
Sample ID: Ics-67752	Samp ⁻	Гуре: LC	S	Tes						
Client ID: LCSS	Batc	Batch ID: 67752			RunNo: 8					
Prep Date: 5/27/2022	Analysis [Date: 5/ 2	28/2022	9	SeqNo: 3	133757	Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	95.1	80	120			
Toluene	0.95	0.050	1.000	0	95.4	80	120			
Ethylbenzene	0.95	0.050	1.000	0	94.6	80	120			
Xylenes, Total	2.8	0.10	3.000	0	93.1	80	120			
Surr: 4-Bromofluorobenzene	0.91		1.000		91.5	70	130			

Sample ID: mb-67752	Samp ⁻	npType: MBLK TestCode: EPA Method 8					d 8021B: Volatiles					
Client ID: PBS	Batc	Batch ID: 67752 RunNo: 88					o: 88354					
Prep Date: 5/27/2022	Analysis [Date: 5/ 2	28/2022	9	SeqNo: 3	133758	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	ND	0.025										
Toluene	ND	0.050										
Ethylbenzene	ND	0.050										
Xylenes, Total	ND	0.10										
Surr: 4-Bromofluorobenzene	0.93		1.000		93.4	70	130					

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 Midla	and	Wo	rk Order Nu	mber: 22	05B79			RcptNo	: 1
Received By:	Tracy Ca	sarrubias	5/26/2	022 7:00:0	0 AM					
Completed By:	Tracy Ca	sarrubias	5/26/2	022 8:35:4	9 AM					
Reviewed By:		126122		0.00.4	0 7 HVI					
Chain of Cus	stody									
1. Is Chain of C	ustody comp	olete?			Ye		No	□ N	ot Present	
2. How was the	sample deli	vered?				urier	,,,,		or resem _	
<u>Log In</u>										
3. Was an atten	npt made to	cool the sam	ples?		Yes	V	No [NA 🗌	
4. Were all sam	ples received	d at a temper	ature of >0° C	to 6.0°C	Yes	V	No [NA 🗆	
5. Sample(s) in	proper conta	iner(s)?			Yes	V	No [
6. Sufficient sam	ple volume f	for indicated t	test(s)?		Yes		No [7		
7. Are samples (red?	Yes	V	No [_		
8. Was preserva			, , , , , , , , , , , , , , , , , , , ,	.	Yes		No 🖢		NA 🗌	
9. Received at le	ast 1 vial wit	h headspace	<1/4" for AQ	VOA?	Yes		No [7	NA 🗸	
10. Were any san					Yes		No N		IVA C	
								# of p	reserved	/
11. Does paperwo					Yes	V	No 🗆		s checked I:	
(Note discrepa		•					_	,		>12 unless noted)
12. Are matrices c13. Is it clear what						V	No L		Adjusted?	
14. Were all holding			1?		Yes	V	No L		01.	Mesis
(If no, notify cu	istomer for a	uthorization.)			Yes	V	No L		Checked by:	JA 5-26-2
Special Handli	ing (if app	licable)								
15. Was client not			with this order	?	Yes		No [NA 🗹	
Person I	Notified:			Date	: [_		
By Who	m:			Via:	eMa	ail 🗆	Phone F	ax ∏ In F	Person	
Regardir	ng:	The state of the s					There I	ax	CISOII	
Client In	structions:					-		*		
16. Additional ren	narks:									
17. Cooler Inform										
Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Da	ate	Ciana d D	es f		
1	0.5	Good	Yes	Jeal NU	Sear Da	ale	Signed By			
2	3.7	Good	Yes				7.40			
3	1.6	Good	Yes							
4	2.4	Good	Yes		The state of the s					

Received by OCD: 9/15/2022	:57:57 PM		Page 58 of 354
HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmental.com kins NE - Albuquerque, NM 87109 345-3975 Fax 505-345-4107 Analysis Request	8260 (VOA) 8270 (Semi-VOA) Total Coliform (Present/Absent)		1001, Becky, Heath', in sources.com 1 Affn. Chost
HALL EI ANALYS ANALYS www.hallenvi 4901 Hawkins NE - Alb Tel. 505-345-3975 F	TPH:8015D(GRO \ DRO \ MRO) 8081 Pesticides/8082 PCB's PAHs by 8310 or 8270SIMS RCRA 8 Metals CI, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄		Remarks: Vlco sc. End. 1. 1001, Becky, Conch. Con. 20 CAHD · Con Amber - Chiptin & EOS resources. con Chinse - Suttle & EOS, Chinse - Suttle & EOS, Bill direct to COC Attn. C
Turn-Around Time: ## Standard # Rush SMM Project Name: ## Bush Sush Sush Project #: ## 1228980	Project Manager: [Sampler: Hath, Boyd@CHD.Com] Sampler: Hath, Boyd@CHD.Com] On Ice:	100 x x 000 x	Received by: Viaceur Date Time Rem State other accredited laboratories. This serves as notice of this possible received by: Viaceur Date Time Chr. S. $\frac{1}{2}$
n-of-Custody Record s: ۲۱۶۶ S. Lop کوی ک. TX 7970 3	nall or Fax#: \om_Carson @_C7\RD. C0\n\ \QC Package: Standard □ Level 4 (Full Validation) creditation: □ Az Compliance NELAC □ Other EDD (Type) te Time Matrix Sample Name	5/24 1250 5 H-3 5/24 1250 5 H-4 日	Time: Relinquished by: 1700 Charles Cha



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

June 07, 2022

Becky Haskell GHD Midland 2135 S Loop 250 W Midland, TX 79703

TEL: (432) 686-0086

FAX:

RE: Hornbaker BA Battery OrderNo.: 2205C51

Dear Becky Haskell:

Hall Environmental Analysis Laboratory received 1 sample(s) on 5/27/2022 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 2205C51

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 6/7/2022

CLIENT: GHD Midland Client Sample ID: BH-5

 Project:
 Hornbaker BA Battery
 Collection Date: 5/25/2022 12:00:00 PM

 Lab ID:
 2205C51-001
 Matrix: SOIL
 Received Date: 5/27/2022 7:10:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: NAI
Chloride	970	60	mg/Kg	20	6/2/2022 6:55:58 PM	67861
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: ED
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	6/3/2022 2:26:05 AM	67801
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	6/3/2022 2:26:05 AM	67801
Surr: DNOP	91.7	51.1-141	%Rec	1	6/3/2022 2:26:05 AM	67801
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	5/30/2022 11:06:00 AM	67768
Surr: BFB	85.7	37.7-212	%Rec	1	5/30/2022 11:06:00 AM	67768
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.024	mg/Kg	1	5/30/2022 11:06:00 AM	67768
Toluene	ND	0.048	mg/Kg	1	5/30/2022 11:06:00 AM	67768
Ethylbenzene	ND	0.048	mg/Kg	1	5/30/2022 11:06:00 AM	67768
Xylenes, Total	ND	0.095	mg/Kg	1	5/30/2022 11:06:00 AM	67768
Surr: 4-Bromofluorobenzene	87.4	70-130	%Rec	1	5/30/2022 11:06:00 AM	67768

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte 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#: **2205C51 08-Jun-22**

Client: GHD Midland

Project: Hornbaker BA Battery

Sample ID: MB-67861 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 67861 RunNo: 88448

Prep Date: 6/2/2022 Analysis Date: 6/2/2022 SeqNo: 3137969 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-67861 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 67861 RunNo: 88448

Prep Date: 6/2/2022 Analysis Date: 6/2/2022 SeqNo: 3137970 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 92.3 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

Page 2 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#: **2205C51** *08-Jun-22*

Client: GHD Midland

Project: Hornbaker BA Battery

Sample ID: MB-67801	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics	_					
Client ID: PBS	Batch ID: 67801	RunNo: 88418						
Prep Date: 5/31/2022	Analysis Date: 6/1/2022	SeqNo: 3136937 Units: mg/Kg						
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qu	Qual					
Diesel Range Organics (DRO)	ND 10							
Motor Oil Range Organics (MRO)	ND 50							
Surr: DNOP	6.7 10.00	67.1 51.1 141						
Sample ID: LCS-67801	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 67801	RunNo: 88418						
Prep Date: 5/31/2022	Analysis Date: 6/2/2022	SeqNo: 3137868 Units: mg/Kg						
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qu	Qual					
Diesel Range Organics (DRO)	53 10 50.00	0 107 64.4 127						
Surr: DNOP	4.8 5.000	95.3 51.1 141						
Sample ID: MB-67821	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 67821	RunNo: 88418						
Prep Date: 6/1/2022	Analysis Date: 6/3/2022	SeqNo: 3138396 Units: %Rec						
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Q	Qual					
Surr: DNOP	9.0 10.00	90.0 51.1 141						
Sample ID: 1 CS-67821	SampType: LCS	TestCode: FPA Method 8015M/D: Diesel Range Organics						

Sample ID: LCS	S-67821	Sampiy	pe: LC	S	l estCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCS	SS	Batch ID: 67821			F	RunNo: 88418					
Prep Date: 6/	1/2022	Analysis Date: 6/3/2022			SeqNo: 3138397			Units: %Rec			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		3.8		5.000		76.1	51.1	141			

Qualifiers:

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

Page 3 of 5

Hall Environmental Analysis Laboratory, Inc.

2205C51 08-Jun-22

WO#:

Client: GHD Midland

Project: Hornbaker BA Battery

Sample ID: Ics-67768 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 67768 RunNo: 88358

Prep Date: 5/27/2022 Analysis Date: 5/30/2022 SeqNo: 3134041 Units: mg/Kg

PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Analyte Result Gasoline Range Organics (GRO) 23 5.0 25.00 0 93.9 72.3 137

Surr: BFB 1900 1000 190 37.7 212

Sample ID: mb-67768 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 67768 RunNo: 88358

Prep Date: 5/27/2022 Analysis Date: 5/30/2022 SeqNo: 3134042 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 870 1000 86.6 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.

WO#: **2205C51**

08-Jun-22

Client: GHD Midland

Project: Hornbaker BA Battery

Sample ID: Ics-67768	Samp	Гуре: LC	S	Tes							
Client ID: LCSS	Batcl	h ID: 677	768	F	RunNo: 8						
Prep Date: 5/27/2022	Analysis [Date: 5/ 3	30/2022	9	SeqNo: 3	134102	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.86	0.025	1.000	0	86.3	80	120				
Toluene	0.87	0.050	1.000	0	87.0	80	120				
Ethylbenzene	0.86	0.050	1.000	0	85.9	80	120				
Xylenes, Total	2.6	0.10	3.000	0	85.1	80	120				
Surr: 4-Bromofluorobenzene	0.91		1.000		91.0	70	130				

Sample ID: mb-67768	SampT	уре: МЕ	ee: MBLK TestCode: EPA Method 8					les		
Client ID: PBS	Batcl	n ID: 67 7	768	F	RunNo: 88358					
Prep Date: 5/27/2022	Analysis D	Date: 5/ 3	30/2022	9	SeqNo: 3134103 Units: mg/Kg			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		86.9	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 5 of 5

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

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

Sample Log-In Check List

Client Name: GHD Work Order Number: 2205C51 RcptNo: 1 Received By: Chul Salzata Cheyenne Cason 5/27/2022 7:10:00 AM Completed By: Sean Livingston 5/27/2022 8:08:02 AM Reviewed By: m5/27/22 Chain of Custody 1. Is Chain of Custody complete? Yes 🗸 No 🗌 Not Present 2. How was the sample delivered? Courier Log In 3. Was an attempt made to cool the samples? Yes 🗸 No 🗌 NA 🗌 4. Were all samples received at a temperature of >0° C to 6.0°C No 🗌 Yes 🗸 NA 🗌 5. Sample(s) in proper container(s)? No 🗌 Yes 🗸 6. Sufficient sample volume for indicated test(s)? Yes 🗸 No 🗌 7. Are samples (except VOA and ONG) properly preserved? Yes 🗸 No 🗌 8. Was preservative added to bottles? Yes No V NA 🗌 Received at least 1 vial with headspace <1/4" for AQ VOA? Yes No 🗌 NA 🗸 10. Were any sample containers received broken? Yes No 🗸 # of preserved bottles checked 11. Does paperwork match bottle labels? Yes 🗸 No 🗌 for pH: (Note discrepancies on chain of custody) or >12 unless noted) 12. Are matrices correctly identified on Chain of Custody? Yes 🗸 No 🗌 13. Is it clear what analyses were requested? Yes 🗸 No \square Checked by: (MC 5/27/2C 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 🗸 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 2.1 Good

Chain	Chain-of-Custody Record	Turn-Around Ti	I Time:													Recei
Client:	(+1)	 Z Standard	d K Rush	Spay			T	AL		2	IR:	ō S	HALL ENVIRONMENTAL	F	1	ved by
		Project Name:					•			ת ה]		AIMELISIS LABORALOR	9	Same .	00
Mailing Address: $\mathbb{Z} \in \mathbb{Z} $		Hornbak	fer BA	BHEN		www.na 4901 Hawkins NF	Jawki	I. WW	≝ ,	www.nallenvironmental.com	nenta	I.con	environmental.com			D: 9 /
Midland,	5061	Project #:				Tel	Tel 505-345-3975	5.307	. 4	Duyduc Fox 6	anhia 20E 2	, INIV	07.103			15/2
Phone #: 432-	1200-929-	112289	0862			9-	0-00	100-0	Anal		Request	est	101			022
email or Fax#: Tom.	Tom. Carson @ GHD. Com	Project Manager:	ager:		_	(0		-	[⊅] C		基 	(11		_		7:57
QA/QC Package: ☐ Standard	: □ Level 4 (Full Validation)	Becky. Ho		SKON @ BKD. CON				SWIS	S ' [†] Od				0			7:57 PM
Accreditation:	☐ Az Compliance ☐ Other	Sampler: Hearth.	Boyo	(@ GHD. COM			(1.40	0728 1	NO ₂ ,				25 I			
□ EDD (Type)		# of Coolers: \	3	2		100)9 p		_				18			
		Cooler Temp	Cooler Temp(including cF): 2. 1	(0c) 1.5 = 0-			etho			(AO			301			
Date Time	Matrix Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX /	08:H91 9 1808	EDB (N	PAHs b	CI' E' E	v) 09Z8	S) 07S8	Total Co	J917			
2/25 1700	5 BH-S	402 Jar / 1	N/A	2		X			_	3				-		1
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Date: Time:	Relinquished by:	1	Via:	\Box	Amber, o	47.62	Chritein @ KCGresowces. Com Christin @ Cos.	3.5	c Saw	565.0	40°					age 6
anb/ 20140/	gunn	Com a	COLAN 51	U1/20 B710	Duct	r Bill	. 04 11	, L	£00	4	Attn.	Z	Cha se		,	6 of
If necessary,	If necessary, samples submitted to Hall EnvironMental may be subcontracted to other accredited laboratories.	ontracted to other ac	credited laboratories	. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report	possibilit	. Any su	b-contra	cted dat	a will be	clearly r	notated	on the	analytical re	port.		354



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

June 08, 2022

Becky Haskell GHD Midland 2135 S Loop 250 W Midland, TX 79703

TEL: (432) 686-0086

FAX:

RE: Hornbaker BA Battery OrderNo.: 2205D08

Dear Becky Haskell:

Hall Environmental Analysis Laboratory received 1 sample(s) on 5/28/2022 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 2205D08

Date Reported: 6/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-2

 Project:
 Hornbaker BA Battery
 Collection Date: 5/26/2022 1:00:00 PM

 Lab ID:
 2205D08-001
 Matrix: SOIL
 Received Date: 5/28/2022 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: NAI
Chloride	310	61	mg/Kg	20	6/2/2022 7:08:23 PM	67861
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: ED
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	6/2/2022 6:18:54 PM	67802
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	6/2/2022 6:18:54 PM	67802
Surr: DNOP	70.4	51.1-141	%Rec	1	6/2/2022 6:18:54 PM	67802
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	5/31/2022 4:47:00 PM	67777
Surr: BFB	92.0	37.7-212	%Rec	1	5/31/2022 4:47:00 PM	67777
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.024	mg/Kg	1	5/31/2022 4:47:00 PM	67777
Toluene	ND	0.047	mg/Kg	1	5/31/2022 4:47:00 PM	67777
Ethylbenzene	ND	0.047	mg/Kg	1	5/31/2022 4:47:00 PM	67777
Xylenes, Total	ND	0.095	mg/Kg	1	5/31/2022 4:47:00 PM	67777
Surr: 4-Bromofluorobenzene	87.1	70-130	%Rec	1	5/31/2022 4:47:00 PM	67777

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte 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#: **2205D08**

08-Jun-22

Client: GHD Midland

Project: Hornbaker BA Battery

Sample ID: MB-67861 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 67861 RunNo: 88448

Prep Date: 6/2/2022 Analysis Date: 6/2/2022 SeqNo: 3137969 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-67861 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 67861 RunNo: 88448

Prep Date: 6/2/2022 Analysis Date: 6/2/2022 SeqNo: 3137970 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 92.3 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

Page 2 of 5

Hall Environmental Analysis Laboratory, Inc.

08-Jun-22

2205D08

WO#:

Client: GHD Midland

Project: Hornbaker BA Battery

Sample ID: MB-67802 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: PBS Batch ID: 67802 RunNo: 88418

Prep Date: 5/31/2022 Analysis Date: 6/1/2022 SeqNo: 3136875 Units: mg/Kg

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

Diesel Range Organics (DRO) ND 10

Motor Oil Range Organics (MRO) ND 50

Surr: DNOP 7.3 10.00 72.8 51.1 141

Sample ID: LCS-67802 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: LCSS Batch ID: 67802 RunNo: 88418

Prep Date: 5/31/2022 Analysis Date: 6/1/2022 SeqNo: 3136893 Units: mg/Kg

Analyte PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) 44 10 50.00 87.8 64.4 127

Surr: DNOP 2.9 5.000 58.3 51.1 141

Sample ID: MB-67871 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: PBS Batch ID: 67871 RunNo: 88418

Prep Date: 6/2/2022 Analysis Date: 6/4/2022 SeqNo: 3140066 Units: %Rec

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Surr: DNOP 9.7 10.00 96.6 51.1 141

Sample ID: LCS-67871 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: LCSS Batch ID: 67871 RunNo: 88418

4.9

Prep Date: 6/2/2022 Analysis Date: 6/4/2022 SeqNo: 3140074 Units: %Rec

5.000

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

98.0

51.1

141

Qualifiers:

Surr: DNOP

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 3 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#: **2205D08 08-Jun-22**

Client: GHD Midland

Project: Hornbaker BA Battery

Sample ID: Ics-67777 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 67777 RunNo: 88377

Prep Date: 5/29/2022 Analysis Date: 5/31/2022 SeqNo: 3135016 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Gasoline Range Organics (GRO) 23 5.0 25.00 0 93.8 72.3 137

 Gasoline Range Organics (GRO)
 23
 5.0
 25.00
 0
 93.8
 72.3
 137

 Surr: BFB
 1800
 1000
 183
 37.7
 212

Sample ID: mb-67777 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 67777 RunNo: 88377

Prep Date: 5/29/2022 Analysis Date: 5/31/2022 SeqNo: 3135017 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 870 1000 86.7 37.7 212

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2205D08** *08-Jun-22*

Client: GHD Midland

Project: Hornbaker BA Battery

Sample ID: Ics-67777	SampT	ype: LC	S	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batch	n ID: 67 7	777	F	RunNo: 8	8377				
Prep Date: 5/29/2022	Analysis D	Date: 5/ 3	31/2022	S	SeqNo: 3	135071	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	92.2	80	120			
Toluene	0.94	0.050	1.000	0	94.0	80	120			
Ethylbenzene	0.93	0.050	1.000	0	93.0	80	120			
Xylenes, Total	2.7	0.10	3.000	0	91.6	80	120			
Surr: 4-Bromofluorobenzene	0.89		1.000		88.7	70	130			

Sample ID: mb-67777	SampT	уре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batcl	n ID: 67	777	F	RunNo: 8	8377				
Prep Date: 5/29/2022	Analysis D	Date: 5/	31/2022	S	SeqNo: 3	135072	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	0.86		1.000		86.1	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 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: 2205D08 RcptNo: 1 Received By: Cheyenne Cason 5/28/2022 8:00:00 AM Chul Completed By: Cheyenne Cason 5/28/2022 8:48:28 AM Reviewed By: 05/28/2022 Chain of Custody 1. Is Chain of Custody complete? Yes 🗸 No 🗌 Not Present 2. How was the sample delivered? Courier Log In 3. Was an attempt made to cool the samples? Yes 🗸 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 🗸 No \square 6. Sufficient sample volume for indicated test(s)? Yes 🗸 No \square 7. Are samples (except VOA and ONG) properly preserved? 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 10. Were any sample containers received broken? Yes No 🗸 # 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 🗌 Adjusted Yes 🗸 13. Is it clear what analyses were requested? Yes 🗸 No 🗌 14. Were all holding times able to be met? Yes 🗸 No 🗌 Checked by mc 5/28/22 (If no, notify customer for authorization.) Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? Yes No 🗌 NA 🗸 Person Notified: Date: By Whom: Via: eMail Phone Fax In Person Regarding: Client Instructions: 16. Additional remarks: 17. Cooler Information Condition Temp °C Seal Intact Seal No Seal Date Signed By 4.1 Good Not Present



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

June 22, 2022

Becky Haskell GHD Midland 2135 S Loop 250 W Midland, TX 79703

TEL: (432) 686-0086

FAX:

RE: Hornbaker BA Battery OrderNo.: 2206708

Dear Becky Haskell:

Hall Environmental Analysis Laboratory received 36 sample(s) on 6/14/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com 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 2206708

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 6/22/2022

CLIENT: GHD Midland Client Sample ID: BH-6

 Project:
 Hornbaker BA Battery
 Collection Date: 6/9/2022 8:00:00 AM

 Lab ID:
 2206708-001
 Matrix: SOIL
 Received Date: 6/14/2022 7:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	: JMT
Chloride	11000	590	mg/Kg	200	0 6/20/2022 1:23:55 PM	68176
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	6/17/2022 8:25:54 AM	68146
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	6/17/2022 8:25:54 AM	68146
Surr: DNOP	94.6	51.1-141	%Rec	1	6/17/2022 8:25:54 AM	68146
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: BRM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	6/16/2022 5:01:18 AM	68104
Surr: BFB	95.1	37.7-212	%Rec	1	6/16/2022 5:01:18 AM	68104
EPA METHOD 8021B: VOLATILES					Analys	t: BRM
Benzene	ND	0.025	mg/Kg	1	6/16/2022 5:01:18 AM	68104
Toluene	ND	0.050	mg/Kg	1	6/16/2022 5:01:18 AM	68104
Ethylbenzene	ND	0.050	mg/Kg	1	6/16/2022 5:01:18 AM	68104
Xylenes, Total	ND	0.10	mg/Kg	1	6/16/2022 5:01:18 AM	68104
Surr: 4-Bromofluorobenzene	91.0	70-130	%Rec	1	6/16/2022 5:01:18 AM	68104

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 **2206708**

Date Reported: 6/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-7

 Project:
 Hornbaker BA Battery
 Collection Date: 6/9/2022 8:05:00 AM

 Lab ID:
 2206708-002
 Matrix: SOIL
 Received Date: 6/14/2022 7:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JMT
Chloride	4700	150	mg/Kg	50	6/20/2022 3:27:56 PM	68176
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	6/17/2022 8:36:29 AM	68146
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	6/17/2022 8:36:29 AM	68146
Surr: DNOP	105	51.1-141	%Rec	1	6/17/2022 8:36:29 AM	68146
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: BRM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/16/2022 5:24:41 AM	68104
Surr: BFB	92.6	37.7-212	%Rec	1	6/16/2022 5:24:41 AM	68104
EPA METHOD 8021B: VOLATILES					Analys	t: BRM
Benzene	ND	0.024	mg/Kg	1	6/16/2022 5:24:41 AM	68104
Toluene	ND	0.049	mg/Kg	1	6/16/2022 5:24:41 AM	68104
Ethylbenzene	ND	0.049	mg/Kg	1	6/16/2022 5:24:41 AM	68104
Xylenes, Total	ND	0.098	mg/Kg	1	6/16/2022 5:24:41 AM	68104
Surr: 4-Bromofluorobenzene	91.6	70-130	%Rec	1	6/16/2022 5:24:41 AM	68104

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte 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 44

Lab Order **2206708**

Date Reported: 6/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-8

 Project:
 Hornbaker BA Battery
 Collection Date: 6/9/2022 8:10:00 AM

 Lab ID:
 2206708-003
 Matrix: SOIL
 Received Date: 6/14/2022 7:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JMT
Chloride	3400	150	mg/Kg	50	6/20/2022 3:40:21 PM	68176
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	t: ED
Diesel Range Organics (DRO)	24	14	mg/Kg	1	6/17/2022 8:47:05 AM	68146
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	6/17/2022 8:47:05 AM	68146
Surr: DNOP	88.4	51.1-141	%Rec	1	6/17/2022 8:47:05 AM	68146
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: BRM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	6/16/2022 5:48:00 AM	68104
Surr: BFB	91.8	37.7-212	%Rec	1	6/16/2022 5:48:00 AM	68104
EPA METHOD 8021B: VOLATILES					Analys	t: BRM
Benzene	ND	0.025	mg/Kg	1	6/16/2022 5:48:00 AM	68104
Toluene	ND	0.050	mg/Kg	1	6/16/2022 5:48:00 AM	68104
Ethylbenzene	ND	0.050	mg/Kg	1	6/16/2022 5:48:00 AM	68104
Xylenes, Total	ND	0.10	mg/Kg	1	6/16/2022 5:48:00 AM	68104
Surr: 4-Bromofluorobenzene	91.2	70-130	%Rec	1	6/16/2022 5:48:00 AM	68104

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2206708

Date Reported: 6/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-9

 Project:
 Hornbaker BA Battery
 Collection Date: 6/9/2022 8:15:00 AM

 Lab ID:
 2206708-004
 Matrix: SOIL
 Received Date: 6/14/2022 7:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JMT
Chloride	4700	300	mg/Kg	100	0 6/20/2022 6:21:37 PM	68176
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	6/17/2022 8:57:41 AM	68146
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	6/17/2022 8:57:41 AM	68146
Surr: DNOP	115	51.1-141	%Rec	1	6/17/2022 8:57:41 AM	68146
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: BRM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	6/16/2022 6:11:21 AM	68104
Surr: BFB	98.5	37.7-212	%Rec	1	6/16/2022 6:11:21 AM	68104
EPA METHOD 8021B: VOLATILES					Analys	t: BRM
Benzene	ND	0.025	mg/Kg	1	6/16/2022 6:11:21 AM	68104
Toluene	ND	0.050	mg/Kg	1	6/16/2022 6:11:21 AM	68104
Ethylbenzene	ND	0.050	mg/Kg	1	6/16/2022 6:11:21 AM	68104
Xylenes, Total	ND	0.10	mg/Kg	1	6/16/2022 6:11:21 AM	68104
Surr: 4-Bromofluorobenzene	92.6	70-130	%Rec	1	6/16/2022 6:11:21 AM	68104

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 **2206708**

Hall Environmental Analysis Laboratory, Inc. Date Reported: 6/22/2022

CLIENT: GHD Midland Client Sample ID: BH-10

 Project:
 Hornbaker BA Battery
 Collection Date: 6/9/2022 8:20:00 AM

 Lab ID:
 2206708-005
 Matrix: SOIL
 Received Date: 6/14/2022 7:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JMT
Chloride	2400	150	mg/Kg	50	6/20/2022 3:52:45 PM	68176
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	6/17/2022 9:08:17 AM	68146
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	6/17/2022 9:08:17 AM	68146
Surr: DNOP	97.7	51.1-141	%Rec	1	6/17/2022 9:08:17 AM	68146
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: BRM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/16/2022 4:41:00 AM	68104
Surr: BFB	86.5	37.7-212	%Rec	1	6/16/2022 4:41:00 AM	68104
EPA METHOD 8021B: VOLATILES					Analys	t: BRM
Benzene	ND	0.025	mg/Kg	1	6/16/2022 4:41:00 AM	68104
Toluene	ND	0.049	mg/Kg	1	6/16/2022 4:41:00 AM	68104
Ethylbenzene	ND	0.049	mg/Kg	1	6/16/2022 4:41:00 AM	68104
Xylenes, Total	ND	0.099	mg/Kg	1	6/16/2022 4:41:00 AM	68104
Surr: 4-Bromofluorobenzene	83.8	70-130	%Rec	1	6/16/2022 4:41:00 AM	68104

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2206708

Date Reported: 6/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-11

 Project:
 Hornbaker BA Battery
 Collection Date: 6/9/2022 8:25:00 AM

 Lab ID:
 2206708-006
 Matrix: SOIL
 Received Date: 6/14/2022 7:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JMT
Chloride	8800	300	mg/Kg	100	0 6/20/2022 6:34:02 PM	68176
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	6/17/2022 9:19:09 AM	68146
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	6/17/2022 9:19:09 AM	68146
Surr: DNOP	102	51.1-141	%Rec	1	6/17/2022 9:19:09 AM	68146
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: BRM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/16/2022 5:01:00 AM	68104
Surr: BFB	87.1	37.7-212	%Rec	1	6/16/2022 5:01:00 AM	68104
EPA METHOD 8021B: VOLATILES					Analys	t: BRM
Benzene	ND	0.024	mg/Kg	1	6/16/2022 5:01:00 AM	68104
Toluene	ND	0.049	mg/Kg	1	6/16/2022 5:01:00 AM	68104
Ethylbenzene	ND	0.049	mg/Kg	1	6/16/2022 5:01:00 AM	68104
Xylenes, Total	ND	0.098	mg/Kg	1	6/16/2022 5:01:00 AM	68104
Surr: 4-Bromofluorobenzene	85.7	70-130	%Rec	1	6/16/2022 5:01:00 AM	68104

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2206708

Date Reported: 6/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-12

 Project:
 Hornbaker BA Battery
 Collection Date: 6/9/2022 8:30:00 AM

 Lab ID:
 2206708-007
 Matrix: SOIL
 Received Date: 6/14/2022 7:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JMT
Chloride	9400	600	mg/Kg	200	0 6/20/2022 1:36:19 PM	68176
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	6/17/2022 9:30:00 AM	68146
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	6/17/2022 9:30:00 AM	68146
Surr: DNOP	88.0	51.1-141	%Rec	1	6/17/2022 9:30:00 AM	68146
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: BRM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/16/2022 5:20:00 AM	68104
Surr: BFB	88.1	37.7-212	%Rec	1	6/16/2022 5:20:00 AM	68104
EPA METHOD 8021B: VOLATILES					Analys	t: BRM
Benzene	ND	0.025	mg/Kg	1	6/16/2022 5:20:00 AM	68104
Toluene	ND	0.049	mg/Kg	1	6/16/2022 5:20:00 AM	68104
Ethylbenzene	ND	0.049	mg/Kg	1	6/16/2022 5:20:00 AM	68104
Xylenes, Total	ND	0.098	mg/Kg	1	6/16/2022 5:20:00 AM	68104
Surr: 4-Bromofluorobenzene	87.4	70-130	%Rec	1	6/16/2022 5:20:00 AM	68104

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2206708

Date Reported: 6/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-13

 Project:
 Hornbaker BA Battery
 Collection Date: 6/9/2022 8:35:00 AM

 Lab ID:
 2206708-008
 Matrix: SOIL
 Received Date: 6/14/2022 7:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JMT
Chloride	8400	610	mg/Kg	200	0 6/20/2022 1:48:42 PM	68176
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	6/17/2022 9:40:51 AM	68146
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	6/17/2022 9:40:51 AM	68146
Surr: DNOP	71.7	51.1-141	%Rec	1	6/17/2022 9:40:51 AM	68146
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: BRM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/16/2022 5:40:00 AM	68104
Surr: BFB	86.9	37.7-212	%Rec	1	6/16/2022 5:40:00 AM	68104
EPA METHOD 8021B: VOLATILES					Analys	t: BRM
Benzene	ND	0.025	mg/Kg	1	6/16/2022 5:40:00 AM	68104
Toluene	ND	0.049	mg/Kg	1	6/16/2022 5:40:00 AM	68104
Ethylbenzene	ND	0.049	mg/Kg	1	6/16/2022 5:40:00 AM	68104
Xylenes, Total	ND	0.099	mg/Kg	1	6/16/2022 5:40:00 AM	68104
Surr: 4-Bromofluorobenzene	86.8	70-130	%Rec	1	6/16/2022 5:40:00 AM	68104

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2206708

Date Reported: 6/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-14

 Project:
 Hornbaker BA Battery
 Collection Date: 6/9/2022 8:40:00 AM

 Lab ID:
 2206708-009
 Matrix: SOIL
 Received Date: 6/14/2022 7:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JMT
Chloride	3600	150	mg/Kg	50	6/20/2022 4:05:09 PM	68176
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	6/17/2022 9:51:40 AM	68146
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	6/17/2022 9:51:40 AM	68146
Surr: DNOP	70.9	51.1-141	%Rec	1	6/17/2022 9:51:40 AM	68146
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: BRM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/16/2022 6:00:00 AM	68104
Surr: BFB	85.4	37.7-212	%Rec	1	6/16/2022 6:00:00 AM	68104
EPA METHOD 8021B: VOLATILES					Analys	t: BRM
Benzene	ND	0.025	mg/Kg	1	6/16/2022 6:00:00 AM	68104
Toluene	ND	0.049	mg/Kg	1	6/16/2022 6:00:00 AM	68104
Ethylbenzene	ND	0.049	mg/Kg	1	6/16/2022 6:00:00 AM	68104
Xylenes, Total	ND	0.098	mg/Kg	1	6/16/2022 6:00:00 AM	68104
Surr: 4-Bromofluorobenzene	83.8	70-130	%Rec	1	6/16/2022 6:00:00 AM	68104

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2206708

Date Reported: 6/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-3

 Project:
 Hornbaker BA Battery
 Collection Date: 6/9/2022 9:00:00 AM

 Lab ID:
 2206708-010
 Matrix: SOIL
 Received Date: 6/14/2022 7:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	:: JMT
Chloride	12000	600	mg/Kg	200	6/20/2022 2:01:06 PM	68176
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: ED
Diesel Range Organics (DRO)	40	14	mg/Kg	1	6/17/2022 10:36:42 AM	68146
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	6/17/2022 10:36:42 AM	68146
Surr: DNOP	52.9	51.1-141	%Rec	1	6/17/2022 10:36:42 AM	68146
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: BRM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	6/16/2022 6:19:00 AM	68104
Surr: BFB	82.0	37.7-212	%Rec	1	6/16/2022 6:19:00 AM	68104
EPA METHOD 8021B: VOLATILES					Analyst	: BRM
Benzene	ND	0.025	mg/Kg	1	6/16/2022 6:19:00 AM	68104
Toluene	ND	0.050	mg/Kg	1	6/16/2022 6:19:00 AM	68104
Ethylbenzene	ND	0.050	mg/Kg	1	6/16/2022 6:19:00 AM	68104
Xylenes, Total	ND	0.10	mg/Kg	1	6/16/2022 6:19:00 AM	68104
Surr: 4-Bromofluorobenzene	81.7	70-130	%Rec	1	6/16/2022 6:19:00 AM	68104

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2206708

Hall Environmental Analysis Laboratory, Inc. Date Reported: 6/22/2022

CLIENT: GHD Midland Client Sample ID: SW-4

 Project:
 Hornbaker BA Battery
 Collection Date: 6/9/2022 9:05:00 AM

 Lab ID:
 2206708-011
 Matrix: SOIL
 Received Date: 6/14/2022 7:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JMT
Chloride	9600	590	mg/Kg	200	0 6/20/2022 2:13:30 PM	68162
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	6/17/2022 1:22:46 AM	68138
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	6/17/2022 1:22:46 AM	68138
Surr: DNOP	115	51.1-141	%Rec	1	6/17/2022 1:22:46 AM	68138
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: BRM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	6/15/2022 7:48:00 PM	68108
Surr: BFB	88.0	37.7-212	%Rec	1	6/15/2022 7:48:00 PM	68108
EPA METHOD 8021B: VOLATILES					Analys	t: BRM
Benzene	ND	0.025	mg/Kg	1	6/15/2022 7:48:00 PM	68108
Toluene	ND	0.050	mg/Kg	1	6/15/2022 7:48:00 PM	68108
Ethylbenzene	ND	0.050	mg/Kg	1	6/15/2022 7:48:00 PM	68108
Xylenes, Total	ND	0.099	mg/Kg	1	6/15/2022 7:48:00 PM	68108
Surr: 4-Bromofluorobenzene	84.9	70-130	%Rec	1	6/15/2022 7:48:00 PM	68108

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2206708

Date Reported: 6/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-5

 Project:
 Hornbaker BA Battery
 Collection Date: 6/9/2022 9:10:00 AM

 Lab ID:
 2206708-012
 Matrix: SOIL
 Received Date: 6/14/2022 7:05:00 AM

Result **RL Oual Units DF** Date Analyzed **Batch** Analyses **EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride 4200 150 mg/Kg 6/20/2022 4:17:33 PM 68162 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: ED Diesel Range Organics (DRO) 14 mg/Kg 6/17/2022 1:55:30 AM 68138 Motor Oil Range Organics (MRO) ND 46 mg/Kg 1 6/17/2022 1:55:30 AM 68138 Surr: DNOP 101 51.1-141 %Rec 6/17/2022 1:55:30 AM 68138 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: BRM Gasoline Range Organics (GRO) ND 6/15/2022 8:48:00 PM 68108 4.9 mg/Kg Surr: BFB 87.4 37.7-212 %Rec 6/15/2022 8:48:00 PM 68108 **EPA METHOD 8021B: VOLATILES** Analyst: BRM Benzene ND 0.025 6/15/2022 8:48:00 PM 68108 mg/Kg Toluene ND 0.049 mg/Kg 6/15/2022 8:48:00 PM 68108 Ethylbenzene ND 0.049 mg/Kg 1 6/15/2022 8:48:00 PM 68108 Xylenes, Total ND 0.099 mg/Kg 6/15/2022 8:48:00 PM 68108 Surr: 4-Bromofluorobenzene 70-130 85.7 %Rec 6/15/2022 8:48:00 PM 68108

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2206708

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 6/22/2022

CLIENT: GHD Midland Client Sample ID: SW-6

 Project:
 Hornbaker BA Battery
 Collection Date: 6/9/2022 9:15:00 AM

 Lab ID:
 2206708-013
 Matrix: SOIL
 Received Date: 6/14/2022 7:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JMT
Chloride	8600	600	mg/Kg	200	0 6/20/2022 2:25:54 PM	68162
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	6/17/2022 2:06:28 AM	68138
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	6/17/2022 2:06:28 AM	68138
Surr: DNOP	103	51.1-141	%Rec	1	6/17/2022 2:06:28 AM	68138
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: BRM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/15/2022 9:48:00 PM	68108
Surr: BFB	83.9	37.7-212	%Rec	1	6/15/2022 9:48:00 PM	68108
EPA METHOD 8021B: VOLATILES					Analys	t: BRM
Benzene	ND	0.025	mg/Kg	1	6/15/2022 9:48:00 PM	68108
Toluene	ND	0.049	mg/Kg	1	6/15/2022 9:48:00 PM	68108
Ethylbenzene	ND	0.049	mg/Kg	1	6/15/2022 9:48:00 PM	68108
Xylenes, Total	ND	0.099	mg/Kg	1	6/15/2022 9:48:00 PM	68108
Surr: 4-Bromofluorobenzene	83.0	70-130	%Rec	1	6/15/2022 9:48:00 PM	68108

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2206708

Date Reported: 6/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-7

 Project:
 Hornbaker BA Battery
 Collection Date: 6/9/2022 9:20:00 AM

 Lab ID:
 2206708-014
 Matrix: SOIL
 Received Date: 6/14/2022 7:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JMT
Chloride	14000	610	mg/Kg	200	0 6/20/2022 3:03:08 PM	68162
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	6/17/2022 2:17:22 AM	68138
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	6/17/2022 2:17:22 AM	68138
Surr: DNOP	101	51.1-141	%Rec	1	6/17/2022 2:17:22 AM	68138
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: BRM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	6/15/2022 10:08:00 PM	68108
Surr: BFB	85.3	37.7-212	%Rec	1	6/15/2022 10:08:00 PM	68108
EPA METHOD 8021B: VOLATILES					Analys	t: BRM
Benzene	ND	0.025	mg/Kg	1	6/15/2022 10:08:00 PM	68108
Toluene	ND	0.050	mg/Kg	1	6/15/2022 10:08:00 PM	68108
Ethylbenzene	ND	0.050	mg/Kg	1	6/15/2022 10:08:00 PM	68108
Xylenes, Total	ND	0.099	mg/Kg	1	6/15/2022 10:08:00 PM	68108
Surr: 4-Bromofluorobenzene	84.1	70-130	%Rec	1	6/15/2022 10:08:00 PM	68108

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

Qualifiers:

- * Value exceeds Maximum Contaminant 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 2206708

Hall Environmental Analysis Laboratory, Inc. Date Reported: 6/22/2022

CLIENT: GHD Midland Client Sample ID: BH-15

 Project:
 Hornbaker BA Battery
 Collection Date: 6/9/2022 10:00:00 AM

 Lab ID:
 2206708-015
 Matrix: SOIL
 Received Date: 6/14/2022 7:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	2400	60	mg/Kg	20	6/16/2022 2:34:34 PM	68162
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS					Analyst	:: ED
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	6/17/2022 2:28:19 AM	68138
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	6/17/2022 2:28:19 AM	68138
Surr: DNOP	77.4	51.1-141	%Rec	1	6/17/2022 2:28:19 AM	68138
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: BRM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/15/2022 10:27:00 PM	68108
Surr: BFB	84.9	37.7-212	%Rec	1	6/15/2022 10:27:00 PM	68108
EPA METHOD 8021B: VOLATILES					Analyst	:: BRM
Benzene	ND	0.025	mg/Kg	1	6/15/2022 10:27:00 PM	68108
Toluene	ND	0.049	mg/Kg	1	6/15/2022 10:27:00 PM	68108
Ethylbenzene	ND	0.049	mg/Kg	1	6/15/2022 10:27:00 PM	68108
Xylenes, Total	ND	0.099	mg/Kg	1	6/15/2022 10:27:00 PM	68108
Surr: 4-Bromofluorobenzene	81.9	70-130	%Rec	1	6/15/2022 10:27:00 PM	68108

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 **2206708**

Date Reported: 6/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-16

 Project:
 Hornbaker BA Battery
 Collection Date: 6/9/2022 10:05:00 AM

 Lab ID:
 2206708-016
 Matrix: SOIL
 Received Date: 6/14/2022 7:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	: JMT
Chloride	3800	150	mg/Kg	50	6/20/2022 4:29:58 PM	68162
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analys	t: ED
Diesel Range Organics (DRO)	15	13	mg/Kg	1	6/17/2022 2:39:18 AM	68138
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	6/17/2022 2:39:18 AM	68138
Surr: DNOP	106	51.1-141	%Rec	1	6/17/2022 2:39:18 AM	68138
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: BRM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/15/2022 10:47:00 PM	68108
Surr: BFB	82.2	37.7-212	%Rec	1	6/15/2022 10:47:00 PM	68108
EPA METHOD 8021B: VOLATILES					Analys	t: BRM
Benzene	ND	0.024	mg/Kg	1	6/15/2022 10:47:00 PM	68108
Toluene	ND	0.049	mg/Kg	1	6/15/2022 10:47:00 PM	68108
Ethylbenzene	ND	0.049	mg/Kg	1	6/15/2022 10:47:00 PM	68108
Xylenes, Total	ND	0.097	mg/Kg	1	6/15/2022 10:47:00 PM	68108
Surr: 4-Bromofluorobenzene	80.9	70-130	%Rec	1	6/15/2022 10:47:00 PM	68108

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2206708

Date Reported: 6/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-17

 Project:
 Hornbaker BA Battery
 Collection Date: 6/9/2022 10:10:00 AM

 Lab ID:
 2206708-017
 Matrix: SOIL
 Received Date: 6/14/2022 7:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	: JMT
Chloride	3000	150	mg/Kg	50	6/20/2022 4:42:22 PM	68162
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS					Analys	: ED
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	6/17/2022 2:50:14 AM	68138
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	6/17/2022 2:50:14 AM	68138
Surr: DNOP	99.2	51.1-141	%Rec	1	6/17/2022 2:50:14 AM	68138
EPA METHOD 8015D: GASOLINE RANGE					Analys	: BRM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/15/2022 11:07:00 PM	68108
Surr: BFB	80.1	37.7-212	%Rec	1	6/15/2022 11:07:00 PM	68108
EPA METHOD 8021B: VOLATILES					Analys	: BRM
Benzene	ND	0.024	mg/Kg	1	6/15/2022 11:07:00 PM	68108
Toluene	ND	0.049	mg/Kg	1	6/15/2022 11:07:00 PM	68108
Ethylbenzene	ND	0.049	mg/Kg	1	6/15/2022 11:07:00 PM	68108
Xylenes, Total	ND	0.098	mg/Kg	1	6/15/2022 11:07:00 PM	68108
Surr: 4-Bromofluorobenzene	80.2	70-130	%Rec	1	6/15/2022 11:07:00 PM	68108

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2206708

Hall Environmental Analysis Laboratory, Inc. Date Reported: 6/22/2022

CLIENT: GHD Midland Client Sample ID: BH-18

 Project:
 Hornbaker BA Battery
 Collection Date: 6/9/2022 10:15:00 AM

 Lab ID:
 2206708-018
 Matrix: SOIL
 Received Date: 6/14/2022 7:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JMT
Chloride	9800	600	mg/Kg	200	0 6/20/2022 3:15:32 PM	68162
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	6/17/2022 3:01:13 AM	68138
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	6/17/2022 3:01:13 AM	68138
Surr: DNOP	105	51.1-141	%Rec	1	6/17/2022 3:01:13 AM	68138
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: BRM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	6/15/2022 11:26:00 PM	68108
Surr: BFB	84.1	37.7-212	%Rec	1	6/15/2022 11:26:00 PM	68108
EPA METHOD 8021B: VOLATILES					Analys	t: BRM
Benzene	ND	0.025	mg/Kg	1	6/15/2022 11:26:00 PM	68108
Toluene	ND	0.050	mg/Kg	1	6/15/2022 11:26:00 PM	68108
Ethylbenzene	ND	0.050	mg/Kg	1	6/15/2022 11:26:00 PM	68108
Xylenes, Total	ND	0.10	mg/Kg	1	6/15/2022 11:26:00 PM	68108
Surr: 4-Bromofluorobenzene	81.6	70-130	%Rec	1	6/15/2022 11:26:00 PM	68108

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2206708

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 6/22/2022

CLIENT: GHD Midland Client Sample ID: BH-19

 Project:
 Hornbaker BA Battery
 Collection Date: 6/9/2022 10:20:00 AM

 Lab ID:
 2206708-019
 Matrix: SOIL
 Received Date: 6/14/2022 7:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	9300	300	mg/Kg	100	6/20/2022 6:46:26 PM	68162
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: ED
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	6/17/2022 3:12:13 AM	68138
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	6/17/2022 3:12:13 AM	68138
Surr: DNOP	85.1	51.1-141	%Rec	1	6/17/2022 3:12:13 AM	68138
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: BRM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/15/2022 11:46:00 PM	68108
Surr: BFB	83.2	37.7-212	%Rec	1	6/15/2022 11:46:00 PM	68108
EPA METHOD 8021B: VOLATILES					Analyst	: BRM
Benzene	ND	0.025	mg/Kg	1	6/15/2022 11:46:00 PM	68108
Toluene	ND	0.049	mg/Kg	1	6/15/2022 11:46:00 PM	68108
Ethylbenzene	ND	0.049	mg/Kg	1	6/15/2022 11:46:00 PM	68108
Xylenes, Total	ND	0.099	mg/Kg	1	6/15/2022 11:46:00 PM	68108
Surr: 4-Bromofluorobenzene	82.1	70-130	%Rec	1	6/15/2022 11:46:00 PM	68108

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2206708

Hall Environmental Analysis Laboratory, Inc. Date Reported: 6/22/2022

CLIENT: GHD Midland Client Sample ID: BH-20

 Project:
 Hornbaker BA Battery
 Collection Date: 6/9/2022 10:25:00 AM

 Lab ID:
 2206708-020
 Matrix: SOIL
 Received Date: 6/14/2022 7:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JMT
Chloride	2200	150	mg/Kg	50	6/20/2022 4:54:46 PM	68162
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	t: ED
Diesel Range Organics (DRO)	82	13	mg/Kg	1	6/17/2022 3:23:17 AM	68138
Motor Oil Range Organics (MRO)	88	43	mg/Kg	1	6/17/2022 3:23:17 AM	68138
Surr: DNOP	103	51.1-141	%Rec	1	6/17/2022 3:23:17 AM	68138
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: BRM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	6/16/2022 12:06:00 AM	68108
Surr: BFB	84.5	37.7-212	%Rec	1	6/16/2022 12:06:00 AM	68108
EPA METHOD 8021B: VOLATILES					Analys	t: BRM
Benzene	ND	0.025	mg/Kg	1	6/16/2022 12:06:00 AM	68108
Toluene	ND	0.050	mg/Kg	1	6/16/2022 12:06:00 AM	68108
Ethylbenzene	ND	0.050	mg/Kg	1	6/16/2022 12:06:00 AM	68108
Xylenes, Total	ND	0.099	mg/Kg	1	6/16/2022 12:06:00 AM	68108
Surr: 4-Bromofluorobenzene	83.0	70-130	%Rec	1	6/16/2022 12:06:00 AM	68108

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2206708

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 6/22/2022

CLIENT: GHD Midland Client Sample ID: BH-21

 Project:
 Hornbaker BA Battery
 Collection Date: 6/9/2022 10:30:00 AM

 Lab ID:
 2206708-021
 Matrix: SOIL
 Received Date: 6/14/2022 7:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JMT
Chloride	3200	150	mg/Kg	50	6/20/2022 5:32:00 PM	68162
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	t: ED
Diesel Range Organics (DRO)	40	15	mg/Kg	1	6/17/2022 3:45:07 AM	68138
Motor Oil Range Organics (MRO)	65	49	mg/Kg	1	6/17/2022 3:45:07 AM	68138
Surr: DNOP	127	51.1-141	%Rec	1	6/17/2022 3:45:07 AM	68138
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: BRM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	6/16/2022 12:45:00 AM	68108
Surr: BFB	83.8	37.7-212	%Rec	1	6/16/2022 12:45:00 AM	68108
EPA METHOD 8021B: VOLATILES					Analys	t: BRM
Benzene	ND	0.025	mg/Kg	1	6/16/2022 12:45:00 AM	68108
Toluene	ND	0.050	mg/Kg	1	6/16/2022 12:45:00 AM	68108
Ethylbenzene	ND	0.050	mg/Kg	1	6/16/2022 12:45:00 AM	68108
Xylenes, Total	ND	0.10	mg/Kg	1	6/16/2022 12:45:00 AM	68108
Surr: 4-Bromofluorobenzene	82.3	70-130	%Rec	1	6/16/2022 12:45:00 AM	68108

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2206708

Date Reported: 6/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-22

 Project:
 Hornbaker BA Battery
 Collection Date: 6/9/2022 10:35:00 AM

 Lab ID:
 2206708-022
 Matrix: SOIL
 Received Date: 6/14/2022 7:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JMT
Chloride	3000	150	mg/Kg	50	6/20/2022 5:44:24 PM	68162
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	6/17/2022 4:06:54 AM	68138
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	6/17/2022 4:06:54 AM	68138
Surr: DNOP	95.0	51.1-141	%Rec	1	6/17/2022 4:06:54 AM	68138
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: BRM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	6/16/2022 1:05:00 AM	68108
Surr: BFB	82.1	37.7-212	%Rec	1	6/16/2022 1:05:00 AM	68108
EPA METHOD 8021B: VOLATILES					Analys	t: BRM
Benzene	ND	0.024	mg/Kg	1	6/16/2022 1:05:00 AM	68108
Toluene	ND	0.048	mg/Kg	1	6/16/2022 1:05:00 AM	68108
Ethylbenzene	ND	0.048	mg/Kg	1	6/16/2022 1:05:00 AM	68108
Xylenes, Total	ND	0.096	mg/Kg	1	6/16/2022 1:05:00 AM	68108
Surr: 4-Bromofluorobenzene	82.7	70-130	%Rec	1	6/16/2022 1:05:00 AM	68108

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2206708

Date Reported: 6/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-23

 Project:
 Hornbaker BA Battery
 Collection Date: 6/9/2022 10:40:00 AM

 Lab ID:
 2206708-023
 Matrix: SOIL
 Received Date: 6/14/2022 7:05:00 AM

Result **RL Oual Units DF** Date Analyzed **Batch** Analyses **EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride 7600 300 mg/Kg 100 6/20/2022 6:58:50 PM 68162 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: ED Diesel Range Organics (DRO) 13 mg/Kg 6/17/2022 4:18:00 AM 68138 Motor Oil Range Organics (MRO) ND 45 mg/Kg 1 6/17/2022 4:18:00 AM 68138 Surr: DNOP 97.2 51.1-141 %Rec 6/17/2022 4:18:00 AM 68138 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: BRM Gasoline Range Organics (GRO) ND 6/16/2022 1:24:00 AM 68108 5.0 mg/Kg Surr: BFB 85.4 37.7-212 %Rec 6/16/2022 1:24:00 AM 68108 **EPA METHOD 8021B: VOLATILES** Analyst: BRM Benzene ND 0.025 6/16/2022 1:24:00 AM 68108 mg/Kg Toluene ND 0.050 mg/Kg 6/16/2022 1:24:00 AM 68108 Ethylbenzene ND 0.050 mg/Kg 1 6/16/2022 1:24:00 AM 68108 Xylenes, Total ND 0.10 mg/Kg 6/16/2022 1:24:00 AM 68108 Surr: 4-Bromofluorobenzene 70-130 84.6 %Rec 6/16/2022 1:24:00 AM 68108

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2206708

Date Reported: 6/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-24

 Project:
 Hornbaker BA Battery
 Collection Date: 6/9/2022 10:45:00 AM

 Lab ID:
 2206708-024
 Matrix: SOIL
 Received Date: 6/14/2022 7:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JMT
Chloride	7800	300	mg/Kg	100	0 6/20/2022 7:11:14 PM	68162
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS					Analys	t: ED
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	6/17/2022 4:29:01 AM	68138
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	6/17/2022 4:29:01 AM	68138
Surr: DNOP	115	51.1-141	%Rec	1	6/17/2022 4:29:01 AM	68138
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: BRM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	6/16/2022 1:44:00 AM	68108
Surr: BFB	88.2	37.7-212	%Rec	1	6/16/2022 1:44:00 AM	68108
EPA METHOD 8021B: VOLATILES					Analys	t: BRM
Benzene	ND	0.024	mg/Kg	1	6/16/2022 1:44:00 AM	68108
Toluene	ND	0.048	mg/Kg	1	6/16/2022 1:44:00 AM	68108
Ethylbenzene	ND	0.048	mg/Kg	1	6/16/2022 1:44:00 AM	68108
Xylenes, Total	ND	0.097	mg/Kg	1	6/16/2022 1:44:00 AM	68108
Surr: 4-Bromofluorobenzene	86.3	70-130	%Rec	1	6/16/2022 1:44:00 AM	68108

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 **2206708**Date Reported: **6/22/2022**

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: SW-8

Project: Hornbaker BA Battery **Collection Date:** 6/9/2022 11:00:00 AM

Lab ID: 2206708-025 **Matrix:** SOIL **Received Date:** 6/14/2022 7:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JMT
Chloride	8700	300	mg/Kg	100	0 6/20/2022 7:23:39 PM	68162
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS					Analys	t: ED
Diesel Range Organics (DRO)	17	13	mg/Kg	1	6/17/2022 4:40:00 AM	68138
Motor Oil Range Organics (MRO)	ND	44	mg/Kg	1	6/17/2022 4:40:00 AM	68138
Surr: DNOP	86.7	51.1-141	%Rec	1	6/17/2022 4:40:00 AM	68138
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: BRM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/16/2022 2:04:00 AM	68108
Surr: BFB	86.4	37.7-212	%Rec	1	6/16/2022 2:04:00 AM	68108
EPA METHOD 8021B: VOLATILES					Analys	t: BRM
Benzene	ND	0.025	mg/Kg	1	6/16/2022 2:04:00 AM	68108
Toluene	ND	0.049	mg/Kg	1	6/16/2022 2:04:00 AM	68108
Ethylbenzene	ND	0.049	mg/Kg	1	6/16/2022 2:04:00 AM	68108
Xylenes, Total	ND	0.098	mg/Kg	1	6/16/2022 2:04:00 AM	68108
Surr: 4-Bromofluorobenzene	83.5	70-130	%Rec	1	6/16/2022 2:04:00 AM	68108

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2206708

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 6/22/2022

CLIENT: GHD Midland Client Sample ID: SW-9

 Project:
 Hornbaker BA Battery
 Collection Date: 6/9/2022 11:05:00 AM

 Lab ID:
 2206708-026
 Matrix: SOIL
 Received Date: 6/14/2022 7:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JMT
Chloride	6500	300	mg/Kg	100	0 6/20/2022 8:00:53 PM	68162
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	6/17/2022 4:50:57 AM	68138
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	6/17/2022 4:50:57 AM	68138
Surr: DNOP	107	51.1-141	%Rec	1	6/17/2022 4:50:57 AM	68138
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: BRM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	6/16/2022 2:23:00 AM	68108
Surr: BFB	90.1	37.7-212	%Rec	1	6/16/2022 2:23:00 AM	68108
EPA METHOD 8021B: VOLATILES					Analys	t: BRM
Benzene	ND	0.025	mg/Kg	1	6/16/2022 2:23:00 AM	68108
Toluene	ND	0.050	mg/Kg	1	6/16/2022 2:23:00 AM	68108
Ethylbenzene	ND	0.050	mg/Kg	1	6/16/2022 2:23:00 AM	68108
Xylenes, Total	ND	0.10	mg/Kg	1	6/16/2022 2:23:00 AM	68108
Surr: 4-Bromofluorobenzene	86.7	70-130	%Rec	1	6/16/2022 2:23:00 AM	68108

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 **2206708**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 6/22/2022

CLIENT: GHD Midland Client Sample ID: SW-10

 Project:
 Hornbaker BA Battery
 Collection Date: 6/9/2022 11:10:00 AM

 Lab ID:
 2206708-027
 Matrix: SOIL
 Received Date: 6/14/2022 7:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JMT
Chloride	4900	150	mg/Kg	50	6/20/2022 5:56:49 PM	68162
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS					Analys	t: ED
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	6/17/2022 5:01:52 AM	68138
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	6/17/2022 5:01:52 AM	68138
Surr: DNOP	105	51.1-141	%Rec	1	6/17/2022 5:01:52 AM	68138
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: BRM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/16/2022 2:43:00 AM	68108
Surr: BFB	84.0	37.7-212	%Rec	1	6/16/2022 2:43:00 AM	68108
EPA METHOD 8021B: VOLATILES					Analys	t: BRM
Benzene	ND	0.025	mg/Kg	1	6/16/2022 2:43:00 AM	68108
Toluene	ND	0.049	mg/Kg	1	6/16/2022 2:43:00 AM	68108
Ethylbenzene	ND	0.049	mg/Kg	1	6/16/2022 2:43:00 AM	68108
Xylenes, Total	ND	0.098	mg/Kg	1	6/16/2022 2:43:00 AM	68108
Surr: 4-Bromofluorobenzene	83.7	70-130	%Rec	1	6/16/2022 2:43:00 AM	68108

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

Qualifiers:

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

Project:

Analytical Report

Lab Order **2206708**Date Reported: **6/22/2022**

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: SW-11

Hornbaker BA Battery Collection Date: 6/9/2022 11:15:00 AM

Lab ID: 2206708-028 **Matrix:** SOIL **Received Date:** 6/14/2022 7:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JMT
Chloride	4400	150	mg/Kg	50	6/20/2022 6:09:13 PM	68162
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	13	mg/Kg	1	6/17/2022 5:12:45 AM	68138
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	6/17/2022 5:12:45 AM	68138
Surr: DNOP	104	51.1-141	%Rec	1	6/17/2022 5:12:45 AM	68138
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: BRM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	6/16/2022 3:03:00 AM	68108
Surr: BFB	88.2	37.7-212	%Rec	1	6/16/2022 3:03:00 AM	68108
EPA METHOD 8021B: VOLATILES					Analys	t: BRM
Benzene	ND	0.025	mg/Kg	1	6/16/2022 3:03:00 AM	68108
Toluene	ND	0.050	mg/Kg	1	6/16/2022 3:03:00 AM	68108
Ethylbenzene	ND	0.050	mg/Kg	1	6/16/2022 3:03:00 AM	68108
Xylenes, Total	ND	0.099	mg/Kg	1	6/16/2022 3:03:00 AM	68108
Surr: 4-Bromofluorobenzene	87.0	70-130	%Rec	1	6/16/2022 3:03:00 AM	68108

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 **2206708**Date Reported: 6/22/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: SW-12

Project: Hornbaker BA Battery Collection Date: 6/9/2022 11:20:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JMT
Chloride	14000	600	mg/Kg	200	0 6/20/2022 8:13:17 PM	68200
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	6/17/2022 5:23:38 AM	68138
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	6/17/2022 5:23:38 AM	68138
Surr: DNOP	130	51.1-141	%Rec	1	6/17/2022 5:23:38 AM	68138
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: BRM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	6/16/2022 3:22:00 AM	68108
Surr: BFB	87.8	37.7-212	%Rec	1	6/16/2022 3:22:00 AM	68108
EPA METHOD 8021B: VOLATILES					Analys	t: BRM
Benzene	ND	0.025	mg/Kg	1	6/16/2022 3:22:00 AM	68108
Toluene	ND	0.050	mg/Kg	1	6/16/2022 3:22:00 AM	68108
Ethylbenzene	ND	0.050	mg/Kg	1	6/16/2022 3:22:00 AM	68108
Xylenes, Total	ND	0.10	mg/Kg	1	6/16/2022 3:22:00 AM	68108
Surr: 4-Bromofluorobenzene	86.3	70-130	%Rec	1	6/16/2022 3:22:00 AM	68108

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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: 6/22/2022

6/16/2022 3:42:00 AM

68108

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-13

Project: Hornbaker BA Battery Collection Date: 6/9/2022 11:25:00 AM Lab ID: 2206708-030 Matrix: SOIL Received Date: 6/14/2022 7:05:00 AM

Result **RL Oual Units DF** Date Analyzed **Batch** Analyses **EPA METHOD 300.0: ANIONS** Analyst: LRN Chloride 7000 300 mg/Kg 100 6/17/2022 1:40:15 PM 68200 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: ED Diesel Range Organics (DRO) 15 mg/Kg 6/17/2022 5:34:28 AM 68138 Motor Oil Range Organics (MRO) ND 49 mg/Kg 1 6/17/2022 5:34:28 AM 68138 Surr: DNOP 117 51.1-141 %Rec 6/17/2022 5:34:28 AM 68138 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: BRM Gasoline Range Organics (GRO) ND 6/16/2022 3:42:00 AM 68108 4.9 mg/Kg Surr: BFB 84.0 37.7-212 %Rec 6/16/2022 3:42:00 AM 68108 **EPA METHOD 8021B: VOLATILES** Analyst: BRM Benzene ND 0.024 6/16/2022 3:42:00 AM 68108 mg/Kg Toluene ND 0.049 mg/Kg 6/16/2022 3:42:00 AM 68108 Ethylbenzene ND 0.049 mg/Kg 1 6/16/2022 3:42:00 AM 68108 Xylenes, Total ND 0.097 mg/Kg 6/16/2022 3:42:00 AM 68108 Surr: 4-Bromofluorobenzene 70-130

84.1

Refer to the QC Summary 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

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Date Reported: 6/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-25

 Project:
 Hornbaker BA Battery
 Collection Date: 6/9/2022 12:00:00 PM

 Lab ID:
 2206708-031
 Matrix: SOIL
 Received Date: 6/14/2022 7:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: LRN
Chloride	3500	300	mg/Kg	100	0 6/17/2022 1:52:39 PM	68200
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	6/17/2022 4:53:21 PM	68148
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	6/17/2022 4:53:21 PM	68148
Surr: DNOP	77.2	51.1-141	%Rec	1	6/17/2022 4:53:21 PM	68148
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: BRM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/16/2022 2:04:20 PM	68110
Surr: BFB	97.8	37.7-212	%Rec	1	6/16/2022 2:04:20 PM	68110
EPA METHOD 8021B: VOLATILES					Analys	t: BRM
Benzene	ND	0.025	mg/Kg	1	6/16/2022 2:04:20 PM	68110
Toluene	ND	0.049	mg/Kg	1	6/16/2022 2:04:20 PM	68110
Ethylbenzene	ND	0.049	mg/Kg	1	6/16/2022 2:04:20 PM	68110
Xylenes, Total	ND	0.098	mg/Kg	1	6/16/2022 2:04:20 PM	68110
Surr: 4-Bromofluorobenzene	95.9	70-130	%Rec	1	6/16/2022 2:04:20 PM	68110

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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: 6/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-26

 Project:
 Hornbaker BA Battery
 Collection Date: 6/9/2022 12:05:00 PM

 Lab ID:
 2206708-032
 Matrix: SOIL
 Received Date: 6/14/2022 7:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	: LRN
Chloride	2800	300	mg/Kg	100	0 6/17/2022 2:05:04 PM	68200
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	6/17/2022 5:26:12 PM	68148
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	6/17/2022 5:26:12 PM	68148
Surr: DNOP	73.6	51.1-141	%Rec	1	6/17/2022 5:26:12 PM	68148
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: BRM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/16/2022 3:16:34 PM	68110
Surr: BFB	103	37.7-212	%Rec	1	6/16/2022 3:16:34 PM	68110
EPA METHOD 8021B: VOLATILES					Analys	t: BRM
Benzene	ND	0.024	mg/Kg	1	6/16/2022 3:16:34 PM	68110
Toluene	ND	0.049	mg/Kg	1	6/16/2022 3:16:34 PM	68110
Ethylbenzene	ND	0.049	mg/Kg	1	6/16/2022 3:16:34 PM	68110
Xylenes, Total	ND	0.098	mg/Kg	1	6/16/2022 3:16:34 PM	68110
Surr: 4-Bromofluorobenzene	98.1	70-130	%Rec	1	6/16/2022 3:16:34 PM	68110

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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: 6/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-27

 Project:
 Hornbaker BA Battery
 Collection Date: 6/9/2022 12:10:00 PM

 Lab ID:
 2206708-033
 Matrix: SOIL
 Received Date: 6/14/2022 7:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: LRN
Chloride	4400	300	mg/Kg	100	0 6/17/2022 2:17:28 PM	68200
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	13	mg/Kg	1	6/17/2022 5:37:04 PM	68148
Motor Oil Range Organics (MRO)	ND	44	mg/Kg	1	6/17/2022 5:37:04 PM	68148
Surr: DNOP	65.8	51.1-141	%Rec	1	6/17/2022 5:37:04 PM	68148
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: BRM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	6/16/2022 4:29:10 PM	68110
Surr: BFB	102	37.7-212	%Rec	1	6/16/2022 4:29:10 PM	68110
EPA METHOD 8021B: VOLATILES					Analys	t: BRM
Benzene	ND	0.024	mg/Kg	1	6/16/2022 4:29:10 PM	68110
Toluene	ND	0.048	mg/Kg	1	6/16/2022 4:29:10 PM	68110
Ethylbenzene	ND	0.048	mg/Kg	1	6/16/2022 4:29:10 PM	68110
Xylenes, Total	ND	0.096	mg/Kg	1	6/16/2022 4:29:10 PM	68110
Surr: 4-Bromofluorobenzene	95.2	70-130	%Rec	1	6/16/2022 4:29:10 PM	68110

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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: 6/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-14

 Project:
 Hornbaker BA Battery
 Collection Date: 6/9/2022 12:15:00 PM

 Lab ID:
 2206708-034
 Matrix: SOIL
 Received Date: 6/14/2022 7:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: LRN
Chloride	3900	300	mg/Kg	100	0 6/17/2022 2:29:52 PM	68200
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	t: ED
Diesel Range Organics (DRO)	62	13	mg/Kg	1	6/17/2022 5:47:59 PM	68148
Motor Oil Range Organics (MRO)	45	43	mg/Kg	1	6/17/2022 5:47:59 PM	68148
Surr: DNOP	92.2	51.1-141	%Rec	1	6/17/2022 5:47:59 PM	68148
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: BRM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/16/2022 4:53:30 PM	68110
Surr: BFB	100	37.7-212	%Rec	1	6/16/2022 4:53:30 PM	68110
EPA METHOD 8021B: VOLATILES					Analys	t: BRM
Benzene	ND	0.024	mg/Kg	1	6/16/2022 4:53:30 PM	68110
Toluene	ND	0.049	mg/Kg	1	6/16/2022 4:53:30 PM	68110
Ethylbenzene	ND	0.049	mg/Kg	1	6/16/2022 4:53:30 PM	68110
Xylenes, Total	ND	0.097	mg/Kg	1	6/16/2022 4:53:30 PM	68110
Surr: 4-Bromofluorobenzene	95.1	70-130	%Rec	1	6/16/2022 4:53:30 PM	68110

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

Qualifiers:

- * Value exceeds Maximum Contaminant 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: 6/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-15

 Project:
 Hornbaker BA Battery
 Collection Date: 6/9/2022 12:20:00 PM

 Lab ID:
 2206708-035
 Matrix: SOIL
 Received Date: 6/14/2022 7:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: LRN
Chloride	1800	300	mg/Kg	100	0 6/17/2022 3:07:05 PM	68200
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	t: ED
Diesel Range Organics (DRO)	19	14	mg/Kg	1	6/17/2022 5:58:55 PM	68148
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	6/17/2022 5:58:55 PM	68148
Surr: DNOP	92.2	51.1-141	%Rec	1	6/17/2022 5:58:55 PM	68148
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: BRM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/16/2022 5:17:45 PM	68110
Surr: BFB	103	37.7-212	%Rec	1	6/16/2022 5:17:45 PM	68110
EPA METHOD 8021B: VOLATILES					Analys	t: BRM
Benzene	ND	0.024	mg/Kg	1	6/16/2022 5:17:45 PM	68110
Toluene	ND	0.049	mg/Kg	1	6/16/2022 5:17:45 PM	68110
Ethylbenzene	ND	0.049	mg/Kg	1	6/16/2022 5:17:45 PM	68110
Xylenes, Total	ND	0.098	mg/Kg	1	6/16/2022 5:17:45 PM	68110
Surr: 4-Bromofluorobenzene	95.5	70-130	%Rec	1	6/16/2022 5:17:45 PM	68110

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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: 6/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-16

 Project:
 Hornbaker BA Battery
 Collection Date: 6/9/2022 12:25:00 PM

 Lab ID:
 2206708-036
 Matrix: SOIL
 Received Date: 6/14/2022 7:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	: LRN
Chloride	1900	300	mg/Kg	100	6/17/2022 3:19:29 PM	68200
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	13	mg/Kg	1	6/17/2022 6:09:52 PM	68148
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	6/17/2022 6:09:52 PM	68148
Surr: DNOP	97.0	51.1-141	%Rec	1	6/17/2022 6:09:52 PM	68148
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: BRM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	6/16/2022 6:30:20 PM	68110
Surr: BFB	103	37.7-212	%Rec	1	6/16/2022 6:30:20 PM	68110
EPA METHOD 8021B: VOLATILES					Analys	t: BRM
Benzene	ND	0.024	mg/Kg	1	6/16/2022 6:30:20 PM	68110
Toluene	ND	0.048	mg/Kg	1	6/16/2022 6:30:20 PM	68110
Ethylbenzene	ND	0.048	mg/Kg	1	6/16/2022 6:30:20 PM	68110
Xylenes, Total	ND	0.096	mg/Kg	1	6/16/2022 6:30:20 PM	68110
Surr: 4-Bromofluorobenzene	96.3	70-130	%Rec	1	6/16/2022 6:30:20 PM	68110

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

Qualifiers:

- * Value exceeds Maximum Contaminant 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#: **2206708 22-Jun-22**

Client: GHD Midland

Project: Hornbaker BA Battery

Sample ID: MB-68162 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: **PBS** Batch ID: **68162** RunNo: **88829**

Prep Date: 6/16/2022 Analysis Date: 6/16/2022 SeqNo: 3153783 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-68162 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 68162 RunNo: 88829

Prep Date: 6/16/2022 Analysis Date: 6/16/2022 SeqNo: 3153784 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

Sample ID: MB-68176 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: **PBS** Batch ID: **68176** RunNo: **88829**

Prep Date: 6/16/2022 Analysis Date: 6/16/2022 SeqNo: 3153815 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-68176 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 68176 RunNo: 88829

Prep Date: 6/16/2022 Analysis Date: 6/16/2022 SeqNo: 3153816 Units: mg/Kg

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

Chloride 15 1.5 15.00 0 97.8 90 110

Sample ID: MB-68200 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 68200 RunNo: 88864

Prep Date: 6/17/2022 Analysis Date: 6/17/2022 SeqNo: 3155126 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-68200 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 68200 RunNo: 88864

Prep Date: 6/17/2022 Analysis Date: 6/17/2022 SeqNo: 3155127 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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated 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.

5.2

WO#: **2206708**

22-Jun-22

Client: GHD Midland

Surr: DNOP

Project: Hornbaker BA Battery

Sample ID: 2206708-011AMS	SampT	ype: MS	;	Tes	TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: SW-4	Batch	1D: 68 1	138	RunNo: 88796							
Prep Date: 6/15/2022	Analysis D	ate: 6/	17/2022	5	SeqNo: 31	154183	Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	58	13	43.98	0	131	36.1	154				
Surr: DNOP	4.9		4.398		112	51.1	141				
Sample ID: 2206708-011AMSD	SampT	ype: MS	SD	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics		
Client ID: SW-4	Batch	1D: 68 1	138	F	RunNo: 88	3796					
Prep Date: 6/15/2022	Analysis D	ate: 6/	17/2022	5	SeqNo: 31	154184	Units: mg/K	(g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	63	15	50.20	0	125	36.1	154	8.71	33.9		

Sample ID: LCS-68138	SampT	ype: LC	S	Tes	TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch	n ID: 68 ′	138	F	RunNo: 88	3796						
Prep Date: 6/15/2022	Analysis D	Date: 6/	17/2022	5	SeqNo: 31	154204	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Diesel Range Organics (DRO)	57	15	50.00	0	114	64.4	127					
Surr: DNOP	5.9		5.000		119	51.1	141					

104

51.1

0

141

0

5.020

Sample ID: MB-68138	SampT	уре: МЕ	BLK	TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 68138			F	RunNo: 8						
Prep Date: 6/15/2022	Analysis D	Date: 6/	17/2022	5	SeqNo: 3154205 Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	ND	15									
Motor Oil Range Organics (MRO)	ND	50									
Surr: DNOP	9.3		10.00		93.4	51.1	141				

Sample ID: LCS-68146	SampT	ype: LC	S	Tes	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch	ID: 68 1	146	F	RunNo: 88796								
Prep Date: 6/15/2022	Analysis D	ate: 6/	17/2022	5	SeqNo: 3154228			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Diesel Range Organics (DRO)	58	15	50.00	0	117	64.4	127						
Surr: DNOP	5.8		5.000		117	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.

4.5

2206708 22-Jun-22

WO#:

Client: GHD Midland

Project: Hornbaker BA Battery

Sample ID: MB-68146	SampT	ype: MB	LK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Client ID: PBS Batch ID: 68146					RunNo: 88796						
Prep Date: 6/15/2022 Analysis Date: 6/17/2022				9	SeqNo: 31	154229	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Diesel Range Organics (DRO)	ND	15										
Motor Oil Range Organics (MRO)	ND	50										

Surr: DNOP 9.1 10.00 90.7 51.1 141

5.000

Sample ID: 2206708-031AMS SampType: MS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: BH-25 Batch ID: 68148 RunNo: 88796 Prep Date: 6/15/2022 Analysis Date: 6/17/2022 SeqNo: 3154569 Units: mg/Kg Analyte PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) 61 14 47.89 13.56 98.3 36.1 154 Surr: DNOP 4.789 4.0 141

Sample ID: LCS-68148 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics LCSS Client ID: Batch ID: 68148 RunNo: 88796 Prep Date: 6/15/2022 Analysis Date: 6/17/2022 SeqNo: 3154576 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) 15 64.4 51 50.00 102 127

89.5

51.1

141

Sample ID: MB-68148 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: **PBS** Batch ID: 68148 RunNo: 88796 Prep Date: Analysis Date: 6/17/2022 SeqNo: 3154577 6/15/2022 Units: mg/Kg SPK value SPK Ref Val %REC %RPD **RPDLimit** Analyte Result **PQL** LowLimit HighLimit Qual Diesel Range Organics (DRO) ND 15 ND Motor Oil Range Organics (MRO) 50 Surr: DNOP 12 10.00 117 51.1 141

Sample ID: 2206708-031AMSD SampType: MSD TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: BH-25 Batch ID: 68148 RunNo: 88796 Prep Date: 6/15/2022 Analysis Date: 6/17/2022 SeqNo: 3155101 Units: mg/Kg %RPD **RPDLimit** Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit Qual Diesel Range Organics (DRO) 52 14 45.79 13.56 84.7 36.1 154 14.7 33.9

Surr: DNOP 3.8 4.579 81.9 51.1 0 141 0

Qualifiers:

Surr: DNOP

- Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference
- 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#: **2206708 22-Jun-22**

Client: GHD Midland

Project: Hornbaker BA Battery

Sample ID: Ics-68104	SampType: LCS	TestCode: EPA Method	8015D: Gasoline Range				
Client ID: LCSS	Batch ID: 68104	RunNo: 88769					
Prep Date: 6/14/2022	Analysis Date: 6/15/2022	SeqNo: 3151541	Units: mg/Kg				
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual			
Gasoline Range Organics (GRO)	26 5.0 25.00	0 105 72.3	137				
Surr: BFB	2200 1000	217 37.7	212	S			
Sample ID: mb-68104	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range					
Client ID: PBS	Batch ID: 68104	RunNo: 88769					
Prep Date: 6/14/2022	Analysis Date: 6/15/2022	SeqNo: 3151543	Units: mg/Kg				
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual			
Gasoline Range Organics (GRO)	ND 5.0						
Surr: BFB	980 1000	98.1 37.7	212				
Sample ID: Ics-68108	SampType: LCS	TestCode: EPA Method	8015D: Gasoline Range				
Client ID: LCSS	Batch ID: 68108	RunNo: 88750					
Prep Date: 6/14/2022	Analysis Date: 6/15/2022	SeqNo: 3151600	Units: mg/Kg				
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual			
Gasoline Range Organics (GRO)	22 5.0 25.00	0 86.6 72.3	137				
Surr: BFB	1900 1000	187 37.7	212				
Sample ID: mb-68108	SampType: MBLK	TestCode: EPA Method	8015D: Gasoline Range				
Client ID: PBS	Batch ID: 68108	RunNo: 88750					
Prep Date: 6/14/2022	Analysis Date: 6/15/2022	SeqNo: 3151601	Units: mg/Kg				
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual			
Gasoline Range Organics (GRO)	ND 5.0						
Surr: BFB	880 1000	88.1 37.7	212				
Sample ID: 2206708-011ams	SampType: MS	TestCode: EPA Method	8015D: Gasoline Range				
Client ID: SW-4	Batch ID: 68108	RunNo: 88750					
Prep Date: 6/14/2022	Analysis Date: 6/15/2022	SeqNo: 3151603	Units: mg/Kg				
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual			

Qualifiers:

Analyte

Surr: BFB

Client ID:

Prep Date:

Value exceeds Maximum Contaminant Level.

6/14/2022

D Sample Diluted Due to Matrix

Gasoline Range Organics (GRO)

Sample ID: 2206708-011amsd

SW-4

- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference

23

1900

Result

4.9

SampType: MSD

Batch ID: 68108

Analysis Date: 6/15/2022

PQL

24.58

983.3

SPK value SPK Ref Val

B Analyte detected in the associated Method Blank

93.1

193

RunNo: 88750

SeqNo: 3151604

70

TestCode: EPA Method 8015D: Gasoline Range

37.7

LowLimit

130

212

Units: mg/Kg

HighLimit

E Estimated value

0

J Analyte detected below quantitation limits

%REC

- P Sample pH Not In Range
- RL Reporting Limit

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RPDLimit

Qual

%RPD

Hall Environmental Analysis Laboratory, Inc.

WO#: **2206708**

22-Jun-22

Client: GHD Midland

Project: Hornbaker BA Battery

Sample ID:	2206708-011amsd	SampType: MSD TestCode: EPA Method 8015					8015D: Gaso	15D: Gasoline Range				
Client ID:	SW-4	Batch	n ID: 68 ′	108	F	RunNo: 88	8750					
Prep Date:	6/14/2022	Analysis D	Date: 6/	15/2022	5	SeqNo: 3	151604	Units: mg/k	(g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range	Organics (GRO)	24	4.9	24.73	0	97.6	70	130	5.33	20		
Surr: BFB		2000		989.1		198	37.7	212	0	0		
Sample ID:	2206708-031ams	SampT	уре: МS	5	TestCode: EPA Method 8015D: Gasoline Range							
Client ID:	BH-25	Batch	n ID: 68 ′	110	F	RunNo: 88	8814					
Prep Date:	6/14/2022	Analysis D	Date: 6/	16/2022	5	SeqNo: 3	153250	Units: mg/k	(g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range	Organics (GRO)	28	4.8	24.15	0	114	70	130				
Surr: BFB		2200		966.2		224	37.7	212			S	
Sample ID:	2206708-031amsd	SampT	уре: МS	SD	Tes	tCode: EF	PA Method	8015D: Gaso	line Range			
Client ID:	BH-25	Batch	n ID: 68 ′	110	RunNo: 88814							
Prep Date:	6/14/2022	Analysis D	Date: 6/	16/2022	SeqNo: 3153251 Un			Units: mg/k	(g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range	Organics (GRO)	26	4.8	23.99	0	107	70	130	7.06	20		
Surr: BFB		2100		959.7		218	37.7	212	0	0	S	
Sample ID:	lcs-68110	SampT	ype: LC	s	Tes	tCode: EF	PA Method	8015D: Gaso	line Range	1		
Client ID:	LCSS	Batch	n ID: 68 ′	110	F	RunNo: 8	8814					
Prep Date:	6/14/2022	Analysis D	Date: 6/	16/2022	5	SeqNo: 3	153275	Units: mg/k	(g			

Gasoline Range Organics (GRO)	27	5.0	25.00	0	106	72.3	137			
Surr: BFB	2200		1000		217	37.7	212			S
Sample ID: mb-68110	Samp	Гуре: МЕ	BLK	Tes	tCode: EP	A Method	8015D: Gasol	ine Range		
Client ID: PBS	Batcl	h ID: 68 1	110	F	RunNo: 88	814				
Prep Date: 6/14/2022	Analysis [Date: 6/	16/2022	5	SeqNo: 31	53276	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Casalina Danga Organica (CDO)	ND	EΛ								

 Gasoline Range Organics (GRO)
 ND
 5.0

 Surr: BFB
 990
 1000
 99.2
 37.7
 212

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2206708 22-Jun-22**

Client: GHD Midland

Project: Hornbaker BA Battery

Sample ID: LCS-68104	SampT	Гуре: LC :	ype: LCS TestCode: EPA Method 8				8021B: Volati	les			
Client ID: LCSS	Batcl	h ID: 681	ID: 68104 RunNo: 88769								
Prep Date: 6/14/2022	Analysis D	Date: 6/ 1	5/15/2022 SeqNo: 3151578				Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.84	0.025	1.000	0	84.1	80	120				
Toluene	0.88	0.050	1.000	0	88.1	80	120				
Ethylbenzene	0.90	0.050	1.000	0	89.6	80	120				
Xylenes, Total	2.7	0.10	3.000	0	90.1	80	120				
Surr: 4-Bromofluorobenzene	0.96		1.000		96.0	70	130				

Sample ID: mb-68104	Samp1	уре: МЕ	BLK	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: PBS	Batcl	n ID: 68 1	104	F	RunNo: 8	3769				
Prep Date: 6/14/2022	Analysis D	Date: 6/	15/2022	5	SeqNo: 3	151580	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	0.93		1.000		92.6	70	130			

Sample ID: Ics-68108	Samp	Type: LC	S	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: LCSS	Batcl	h ID: 681	08	F	RunNo: 88	3750				
Prep Date: 6/14/2022	Analysis [Date: 6/ 1	15/2022	5	SeqNo: 31	151631	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	85.2	80	120			
Toluene	0.87	0.050	1.000	0	86.7	80	120			
Ethylbenzene	0.86	0.050	1.000	0	85.7	80	120			
Xylenes, Total	2.6	0.10	3.000	0	85.8	80	120			
Surr: 4-Bromofluorobenzene	0.86		1.000		85.9	70	130			

Sample ID: mb-68108	Samp ¹	Гуре: МЕ	BLK	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: PBS	Batc	h ID: 68 1	108	F	RunNo: 88	3750				
Prep Date: 6/14/2022	Analysis [Date: 6/	15/2022	9	SeqNo: 31	151632	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		84.1	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#: **2206708 22-Jun-22**

Client: GHD Midland

Project: Hornbaker BA Battery

Sample ID: 2206708-012ams	Samp	Гуре: МЅ	;	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: SW-5	Batcl	h ID: 681	108	F	RunNo: 8	3750				
Prep Date: 6/14/2022	Analysis [Date: 6/ 1	15/2022	9	SeqNo: 3	151635	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	0.9901	0	97.1	68.8	120			
Toluene	0.99	0.050	0.9901	0	100	73.6	124			
Ethylbenzene	0.99	0.050	0.9901	0	100	72.7	129			
Xylenes, Total	3.0	0.099	2.970	0	99.9	75.7	126			
Surr: 4-Bromofluorobenzene	0.85		0.9901		85.8	70	130			

Sample ID: 2206708-012amsd	Samp1	ype: MS	D	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: SW-5	Batcl	n ID: 681	08	F	RunNo: 88	3750				
Prep Date: 6/14/2022	Analysis [Date: 6/ 1	15/2022	5	SeqNo: 31	151636	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.025	1.000	0	88.5	68.8	120	8.29	20	
Toluene	0.90	0.050	1.000	0	90.5	73.6	124	9.16	20	
Ethylbenzene	0.90	0.050	1.000	0	89.9	72.7	129	9.93	20	
Xylenes, Total	2.7	0.10	3.000	0	90.1	75.7	126	9.28	20	
Surr: 4-Bromofluorobenzene	0.84		1.000		84.1	70	130	0	0	

Sample ID: 2206708-032ams	Samp ⁻	Гуре: МЅ	3	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: BH-26	Batc	h ID: 68 1	110	F	RunNo: 8	3814				
Prep Date: 6/14/2022	Analysis [Date: 6/	16/2022	5	SeqNo: 3	153288	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.84	0.024	0.9699	0	86.6	68.8	120			
Toluene	0.88	0.048	0.9699	0	90.6	73.6	124			
Ethylbenzene	0.89	0.048	0.9699	0	92.2	72.7	129			
Xylenes, Total	2.7	0.097	2.910	0	92.8	75.7	126			
Surr: 4-Bromofluorobenzene	0.98		0.9699		101	70	130			

Sample ID: 2206708-032amsd	SampT	ype: MS	D	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: BH-26	Batch	n ID: 681	10	F	RunNo: 88	3814				
Prep Date: 6/14/2022	Analysis D	ate: 6/ 1	16/2022	5	SeqNo: 31	153289	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.75	0.024	0.9653	0	77.7	68.8	120	11.3	20	
Toluene	0.80	0.048	0.9653	0	82.5	73.6	124	9.83	20	
Ethylbenzene	0.81	0.048	0.9653	0	83.9	72.7	129	9.93	20	
Xylenes, Total	2.5	0.097	2.896	0	85.5	75.7	126	8.66	20	
Surr: 4-Bromofluorobenzene	0.96		0.9653		99.2	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 43 of 44

Hall Environmental Analysis Laboratory, Inc.

WO#: **2206708 22-Jun-22**

Client: GHD Midland

Project: Hornbaker BA Battery

Sample ID: LCS-68110	Samp	Гуре: LC :	S	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: LCSS	Batcl	h ID: 681	110	F	RunNo: 8	3814				
Prep Date: 6/14/2022	Analysis [Date: 6/ 1	16/2022	9	SeqNo: 3	153313	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	81.0	80	120			
Toluene	0.85	0.050	1.000	0	84.8	80	120			
Ethylbenzene	0.86	0.050	1.000	0	85.6	80	120			
Xylenes, Total	2.6	0.10	3.000	0	86.8	80	120			
Surr: 4-Bromofluorobenzene	0.95		1.000		94.8	70	130			

Sample ID: mb-68110	Samp	Гуре: МЕ	BLK	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: PBS	Batcl	h ID: 68 1	110	F	RunNo: 8	3814				
Prep Date: 6/14/2022	Analysis [Date: 6/	16/2022	9	SeqNo: 3	153314	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		96.3	70	130			

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 Work Order Number: 2206708 RcptNo: 1 Sureney Sulyab Received By: Juan Rojas 6/14/2022 7:05:00 AM Completed By: 6/14/2022 8:55:20 AM Sean Livingston 6.14.22 Reviewed By: KPG 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 🗸 NA \square 5. Sample(s) in proper container(s)? No 🗌 Yes 🗸 6. Sufficient sample volume for indicated test(s)? No 🗌 Yes 🗸 7. Are samples (except VOA and ONG) properly preserved? No 🗌 Yes 🗸 8. Was preservative added to bottles? Yes No 🗸 NA 🗌 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes 🗌 No 🗌 NA 🗸 Yes 10. Were any sample containers received broken? No 🗸 # 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? No 🗌 Yes 🗸 13. Is it clear what analyses were requested? Yes 🗸 No \square Checked by: JN 6/14/22 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 🗸 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

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i incossary, 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.
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Hall Environmental Analysis Laboratory

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

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109



LABORATORI

July 01, 2022

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

TEL: (432) 686-0086

FAX:

RE: Hornbaker BA Battery OrderNo.: 2206858

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 39 sample(s) on 6/16/2022 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: 7/1/2022

6/20/2022 2:20:00 PM

6/20/2022 2:20:00 PM

Analyst: BRM

68205

68205

Hall Environmental Analysis Laboratory, Inc.

EPA METHOD 8015D: GASOLINE RANGE

Gasoline Range Organics (GRO)

Surr: BFB

CLIENT: GHD Midland Client Sample ID: SW-17

 Project:
 Hornbaker BA Battery
 Collection Date: 6/14/2022 8:00:00 AM

 Lab ID:
 2206858-001
 Matrix: SOIL
 Received Date: 6/16/2022 7:20:00 AM

Result **RL Oual Units DF** Date Analyzed **Batch** Analyses **EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride 120 60 mg/Kg 6/21/2022 1:34:07 PM 68248 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: ED Diesel Range Organics (DRO) ND 14 mg/Kg 6/22/2022 4:29:33 PM 68211 Motor Oil Range Organics (MRO) ND 47 mg/Kg 1 6/22/2022 4:29:33 PM 68211 Surr: DNOP 75.2 6/22/2022 4:29:33 PM 51.1-141 %Rec 68211

EPA METHOD 8021B: VOLATILES					Analyst:	BRM
Benzene	ND	0.024	mg/Kg	1	6/20/2022 2:20:00 PM	68205
Toluene	ND	0.049	mg/Kg	1	6/20/2022 2:20:00 PM	68205
Ethylbenzene	ND	0.049	mg/Kg	1	6/20/2022 2:20:00 PM	68205
Xylenes, Total	ND	0.098	mg/Kg	1	6/20/2022 2:20:00 PM	68205
Surr: 4-Bromofluorobenzene	85.0	70-130	%Rec	1	6/20/2022 2:20:00 PM	68205

4.9

37.7-212

mg/Kg

%Rec

ND

88.3

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte 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 48

Date Reported: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-18

 Project:
 Hornbaker BA Battery
 Collection Date: 6/14/2022 8:05:00 AM

 Lab ID:
 2206858-002
 Matrix: SOIL
 Received Date: 6/16/2022 7:20:00 AM

Result **RL Oual Units DF** Date Analyzed **Batch** Analyses Analyst: JMT **EPA METHOD 300.0: ANIONS** Chloride 270 60 mg/Kg 20 6/21/2022 1:46:28 PM 68248 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: ED Diesel Range Organics (DRO) 120 14 mg/Kg 6/23/2022 1:14:24 PM 68211 Motor Oil Range Organics (MRO) 190 47 mg/Kg 1 6/23/2022 1:14:24 PM 68211 Surr: DNOP 100 51.1-141 %Rec 6/23/2022 1:14:24 PM 68211 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: BRM 6/20/2022 2:40:00 PM Gasoline Range Organics (GRO) ND 68205 4.9 mg/Kg 1 Surr: BFB 88.3 %Rec 6/20/2022 2:40:00 PM 68205 37.7-212 **EPA METHOD 8021B: VOLATILES** Analyst: BRM ND 6/20/2022 2:40:00 PM 68205 Benzene 0.025 mg/Kg Toluene ND 0.049 mg/Kg 6/20/2022 2:40:00 PM 68205 Ethylbenzene ND 0.049 mg/Kg 1 6/20/2022 2:40:00 PM 68205 Xylenes, Total ND 0.099 mg/Kg 6/20/2022 2:40:00 PM 68205 Surr: 4-Bromofluorobenzene 70-130 85.7 %Rec 6/20/2022 2:40:00 PM 68205

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte 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 48

Analytical Report

Lab Order 2206858 Date Reported: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-19

Project: Hornbaker BA Battery Collection Date: 6/14/2022 8:10:00 AM Lab ID: 2206858-003 Matrix: SOIL Received Date: 6/16/2022 7:20:00 AM

Result **RL Oual Units DF** Date Analyzed **Batch** Analyses **EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride ND 60 mg/Kg 20 6/21/2022 2:23:31 PM 68248 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: ED Diesel Range Organics (DRO) ND 15 mg/Kg 6/21/2022 10:02:54 PM 68211 Motor Oil Range Organics (MRO) ND 6/21/2022 10:02:54 PM 68211 49 mg/Kg 1 Surr: DNOP 6/21/2022 10:02:54 PM 68211 64.8 51.1-141 %Rec Analyst: BRM **EPA METHOD 8015D: GASOLINE RANGE** 6/20/2022 2:59:00 PM Gasoline Range Organics (GRO) ND 68205 4.9 mg/Kg 1 Surr: BFB 86.7 %Rec 6/20/2022 2:59:00 PM 68205 37.7-212 **EPA METHOD 8021B: VOLATILES** Analyst: BRM ND 0.024 6/20/2022 2:59:00 PM 68205 Benzene mg/Kg Toluene ND 0.049 mg/Kg 6/20/2022 2:59:00 PM 68205 Ethylbenzene ND 0.049 mg/Kg 1 6/20/2022 2:59:00 PM 68205 Xylenes, Total ND 0.098 mg/Kg 6/20/2022 2:59:00 PM 68205 Surr: 4-Bromofluorobenzene 70-130 83.1 %Rec 6/20/2022 2:59:00 PM 68205

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Η 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
- Sample pH Not In Range
- RL Reporting Limit

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Analytical Report

Lab Order **2206858**Date Reported: **7/1/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-20

 Project:
 Hornbaker BA Battery
 Collection Date: 6/14/2022 8:15:00 AM

 Lab ID:
 2206858-004
 Matrix: SOIL
 Received Date: 6/16/2022 7:20:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	77	60	mg/Kg	20	6/21/2022 2:35:52 PM	68248
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: ED
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	6/21/2022 10:13:56 PM	68211
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	6/21/2022 10:13:56 PM	68211
Surr: DNOP	55.7	51.1-141	%Rec	1	6/21/2022 10:13:56 PM	68211
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	6/20/2022 3:39:00 PM	68205
Surr: BFB	85.3	37.7-212	%Rec	1	6/20/2022 3:39:00 PM	68205
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.024	mg/Kg	1	6/20/2022 3:39:00 PM	68205
Toluene	ND	0.047	mg/Kg	1	6/20/2022 3:39:00 PM	68205
Ethylbenzene	ND	0.047	mg/Kg	1	6/20/2022 3:39:00 PM	68205
Xylenes, Total	ND	0.094	mg/Kg	1	6/20/2022 3:39:00 PM	68205
Surr: 4-Bromofluorobenzene	80.3	70-130	%Rec	1	6/20/2022 3:39:00 PM	68205

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-21

 Project:
 Hornbaker BA Battery
 Collection Date: 6/14/2022 8:20:00 AM

 Lab ID:
 2206858-005
 Matrix: SOIL
 Received Date: 6/16/2022 7:20:00 AM

Result **RL Oual Units DF** Date Analyzed **Batch** Analyses **EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride 190 60 mg/Kg 20 6/21/2022 2:48:13 PM 68248 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: ED Diesel Range Organics (DRO) 37 14 mg/Kg 6/23/2022 8:51:46 AM 68211 Motor Oil Range Organics (MRO) 80 47 mg/Kg 1 6/23/2022 8:51:46 AM 68211 Surr: DNOP 76.5 51.1-141 %Rec 6/23/2022 8:51:46 AM 68211 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: BRM 6/20/2022 3:59:00 PM Gasoline Range Organics (GRO) ND 68205 4.7 mg/Kg 1 Surr: BFB 81.7 %Rec 6/20/2022 3:59:00 PM 68205 37.7-212 **EPA METHOD 8021B: VOLATILES** Analyst: BRM ND 6/20/2022 3:59:00 PM 68205 Benzene 0.023 mg/Kg Toluene ND 0.047 mg/Kg 6/20/2022 3:59:00 PM 68205 Ethylbenzene ND 0.047 mg/Kg 1 6/20/2022 3:59:00 PM 68205 Xylenes, Total ND 0.093 mg/Kg 6/20/2022 3:59:00 PM 68205 Surr: 4-Bromofluorobenzene 70-130 82.1 %Rec 6/20/2022 3:59:00 PM 68205

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-22

 Project:
 Hornbaker BA Battery
 Collection Date: 6/14/2022 8:25:00 AM

 Lab ID:
 2206858-006
 Matrix: SOIL
 Received Date: 6/16/2022 7:20:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	ND	60	mg/Kg	20	6/21/2022 3:00:33 PM	68248
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: ED
Diesel Range Organics (DRO)	ND	13	mg/Kg	1	6/21/2022 10:36:22 PM	68211
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	6/21/2022 10:36:22 PM	68211
Surr: DNOP	84.1	51.1-141	%Rec	1	6/21/2022 10:36:22 PM	68211
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/20/2022 4:18:00 PM	68205
Surr: BFB	84.8	37.7-212	%Rec	1	6/20/2022 4:18:00 PM	68205
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.024	mg/Kg	1	6/20/2022 4:18:00 PM	68205
Toluene	ND	0.049	mg/Kg	1	6/20/2022 4:18:00 PM	68205
Ethylbenzene	ND	0.049	mg/Kg	1	6/20/2022 4:18:00 PM	68205
Xylenes, Total	ND	0.098	mg/Kg	1	6/20/2022 4:18:00 PM	68205
Surr: 4-Bromofluorobenzene	82.2	70-130	%Rec	1	6/20/2022 4:18:00 PM	68205

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-28

 Project:
 Hornbaker BA Battery
 Collection Date: 6/14/2022 9:00:00 AM

 Lab ID:
 2206858-007
 Matrix: SOIL
 Received Date: 6/16/2022 7:20:00 AM

Result **RL Oual Units DF** Date Analyzed **Batch** Analyses **EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride 280 60 mg/Kg 20 6/21/2022 3:12:53 PM 68248 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: ED Diesel Range Organics (DRO) 92 15 mg/Kg 6/21/2022 10:47:35 PM 68211 Motor Oil Range Organics (MRO) 6/21/2022 10:47:35 PM 68211 110 48 mg/Kg 1 Surr: DNOP 75.1 6/21/2022 10:47:35 PM 68211 51.1-141 %Rec **EPA METHOD 8015D: GASOLINE RANGE** Analyst: BRM 6/20/2022 4:38:00 PM Gasoline Range Organics (GRO) ND 68205 4.7 mg/Kg 1 Surr: BFB 84.8 %Rec 6/20/2022 4:38:00 PM 68205 37.7-212 **EPA METHOD 8021B: VOLATILES** Analyst: BRM ND 6/20/2022 4:38:00 PM 68205 Benzene 0.023 mg/Kg Toluene ND 0.047 mg/Kg 6/20/2022 4:38:00 PM 68205 Ethylbenzene ND 0.047 mg/Kg 1 6/20/2022 4:38:00 PM 68205 Xylenes, Total ND 0.094 mg/Kg 6/20/2022 4:38:00 PM 68205 Surr: 4-Bromofluorobenzene 70-130 6/20/2022 4:38:00 PM 82.6 %Rec 68205

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 **2206858**Date Reported: **7/1/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-29

 Project:
 Hornbaker BA Battery
 Collection Date: 6/14/2022 9:05:00 AM

 Lab ID:
 2206858-008
 Matrix: SOIL
 Received Date: 6/16/2022 7:20:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	1100	60	mg/Kg	20	6/21/2022 3:25:14 PM	68248
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: ED
Diesel Range Organics (DRO)	210	14	mg/Kg	1	6/21/2022 10:58:47 PM	68211
Motor Oil Range Organics (MRO)	200	46	mg/Kg	1	6/21/2022 10:58:47 PM	68211
Surr: DNOP	88.7	51.1-141	%Rec	1	6/21/2022 10:58:47 PM	68211
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/20/2022 4:58:00 PM	68205
Surr: BFB	82.9	37.7-212	%Rec	1	6/20/2022 4:58:00 PM	68205
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.024	mg/Kg	1	6/20/2022 4:58:00 PM	68205
Toluene	ND	0.049	mg/Kg	1	6/20/2022 4:58:00 PM	68205
Ethylbenzene	ND	0.049	mg/Kg	1	6/20/2022 4:58:00 PM	68205
Xylenes, Total	ND	0.098	mg/Kg	1	6/20/2022 4:58:00 PM	68205
Surr: 4-Bromofluorobenzene	81.1	70-130	%Rec	1	6/20/2022 4:58:00 PM	68205

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-30

Project: Hornbaker BA Battery **Collection Date:** 6/14/2022 9:10:00 AM

Lab ID: 2206858-009 **Matrix:** SOIL **Received Date:** 6/16/2022 7:20:00 AM

Analyses	Result	RL (Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	720	60	mg/Kg	20	6/21/2022 3:37:35 PM	68248
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: ED
Diesel Range Organics (DRO)	37	14	mg/Kg	1	6/23/2022 9:13:21 AM	68211
Motor Oil Range Organics (MRO)	96	48	mg/Kg	1	6/23/2022 9:13:21 AM	68211
Surr: DNOP	86.7	51.1-141	%Rec	1	6/23/2022 9:13:21 AM	68211
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	6/20/2022 5:18:00 PM	68205
Surr: BFB	84.2	37.7-212	%Rec	1	6/20/2022 5:18:00 PM	68205
EPA METHOD 8021B: VOLATILES					Analyst	: BRM
Benzene	ND	0.023	mg/Kg	1	6/20/2022 5:18:00 PM	68205
Toluene	ND	0.046	mg/Kg	1	6/20/2022 5:18:00 PM	68205
Ethylbenzene	ND	0.046	mg/Kg	1	6/20/2022 5:18:00 PM	68205
Xylenes, Total	ND	0.093	mg/Kg	1	6/20/2022 5:18:00 PM	68205
Surr: 4-Bromofluorobenzene	82.8	70-130	%Rec	1	6/20/2022 5:18:00 PM	68205

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-31

 Project:
 Hornbaker BA Battery
 Collection Date: 6/14/2022 9:15:00 AM

 Lab ID:
 2206858-010
 Matrix: SOIL
 Received Date: 6/16/2022 7:20:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	1100	60	mg/Kg	20	6/21/2022 3:49:55 PM	68248
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: ED
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	6/21/2022 11:21:06 PM	68211
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	6/21/2022 11:21:06 PM	68211
Surr: DNOP	67.4	51.1-141	%Rec	1	6/21/2022 11:21:06 PM	68211
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	6/20/2022 5:38:00 PM	68205
Surr: BFB	87.9	37.7-212	%Rec	1	6/20/2022 5:38:00 PM	68205
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.025	mg/Kg	1	6/20/2022 5:38:00 PM	68205
Toluene	ND	0.050	mg/Kg	1	6/20/2022 5:38:00 PM	68205
Ethylbenzene	ND	0.050	mg/Kg	1	6/20/2022 5:38:00 PM	68205
Xylenes, Total	ND	0.10	mg/Kg	1	6/20/2022 5:38:00 PM	68205
Surr: 4-Bromofluorobenzene	85.4	70-130	%Rec	1	6/20/2022 5:38:00 PM	68205

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-32

 Project:
 Hornbaker BA Battery
 Collection Date: 6/14/2022 9:20:00 AM

 Lab ID:
 2206858-011
 Matrix: SOIL
 Received Date: 6/16/2022 7:20:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	490	60	mg/Kg	20	6/21/2022 4:02:16 PM	68248
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	: ED
Diesel Range Organics (DRO)	83	13	mg/Kg	1	6/21/2022 11:32:15 PM	68211
Motor Oil Range Organics (MRO)	89	42	mg/Kg	1	6/21/2022 11:32:15 PM	68211
Surr: DNOP	64.4	51.1-141	%Rec	1	6/21/2022 11:32:15 PM	68211
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/20/2022 5:58:00 PM	68205
Surr: BFB	87.6	37.7-212	%Rec	1	6/20/2022 5:58:00 PM	68205
EPA METHOD 8021B: VOLATILES					Analyst	: BRM
Benzene	ND	0.024	mg/Kg	1	6/20/2022 5:58:00 PM	68205
Toluene	ND	0.049	mg/Kg	1	6/20/2022 5:58:00 PM	68205
Ethylbenzene	ND	0.049	mg/Kg	1	6/20/2022 5:58:00 PM	68205
Xylenes, Total	ND	0.098	mg/Kg	1	6/20/2022 5:58:00 PM	68205
Surr: 4-Bromofluorobenzene	81.0	70-130	%Rec	1	6/20/2022 5:58:00 PM	68205

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-33

 Project:
 Hornbaker BA Battery
 Collection Date: 6/14/2022 9:25:00 AM

 Lab ID:
 2206858-012
 Matrix: SOIL
 Received Date: 6/16/2022 7:20:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	1700	59	mg/Kg	20	6/21/2022 4:14:36 PM	68248
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: ED
Diesel Range Organics (DRO)	140	14	mg/Kg	1	6/23/2022 9:34:54 AM	68211
Motor Oil Range Organics (MRO)	200	46	mg/Kg	1	6/23/2022 9:34:54 AM	68211
Surr: DNOP	85.2	51.1-141	%Rec	1	6/23/2022 9:34:54 AM	68211
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	6/20/2022 6:17:00 PM	68205
Surr: BFB	82.9	37.7-212	%Rec	1	6/20/2022 6:17:00 PM	68205
EPA METHOD 8021B: VOLATILES					Analyst	: BRM
Benzene	ND	0.024	mg/Kg	1	6/20/2022 6:17:00 PM	68205
Toluene	ND	0.048	mg/Kg	1	6/20/2022 6:17:00 PM	68205
Ethylbenzene	ND	0.048	mg/Kg	1	6/20/2022 6:17:00 PM	68205
Xylenes, Total	ND	0.096	mg/Kg	1	6/20/2022 6:17:00 PM	68205
Surr: 4-Bromofluorobenzene	80.0	70-130	%Rec	1	6/20/2022 6:17:00 PM	68205

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 **2206858**Date Reported: **7/1/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-34

 Project:
 Hornbaker BA Battery
 Collection Date: 6/14/2022 9:30:00 AM

 Lab ID:
 2206858-013
 Matrix: SOIL
 Received Date: 6/16/2022 7:20:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: NAI
Chloride	2400	150	mg/Kg	50	6/22/2022 12:38:23 PM	68248
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: ED
Diesel Range Organics (DRO)	100	15	mg/Kg	1	6/21/2022 11:54:31 PM	68211
Motor Oil Range Organics (MRO)	130	49	mg/Kg	1	6/21/2022 11:54:31 PM	68211
Surr: DNOP	79.0	51.1-141	%Rec	1	6/21/2022 11:54:31 PM	68211
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	6/20/2022 6:37:00 PM	68205
Surr: BFB	82.7	37.7-212	%Rec	1	6/20/2022 6:37:00 PM	68205
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.023	mg/Kg	1	6/20/2022 6:37:00 PM	68205
Toluene	ND	0.046	mg/Kg	1	6/20/2022 6:37:00 PM	68205
Ethylbenzene	ND	0.046	mg/Kg	1	6/20/2022 6:37:00 PM	68205
Xylenes, Total	ND	0.092	mg/Kg	1	6/20/2022 6:37:00 PM	68205
Surr: 4-Bromofluorobenzene	81.1	70-130	%Rec	1	6/20/2022 6:37:00 PM	68205

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-35

 Project:
 Hornbaker BA Battery
 Collection Date: 6/14/2022 9:35:00 AM

 Lab ID:
 2206858-014
 Matrix: SOIL
 Received Date: 6/16/2022 7:20:00 AM

Result **RL Oual Units DF** Date Analyzed **Batch** Analyses **EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride 740 60 mg/Kg 20 6/21/2022 5:04:01 PM 68248 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: JME Diesel Range Organics (DRO) 43 14 mg/Kg 6/21/2022 7:03:37 PM 68230 Motor Oil Range Organics (MRO) ND 48 mg/Kg 1 6/21/2022 7:03:37 PM 68230 Surr: DNOP 97.8 51.1-141 %Rec 6/21/2022 7:03:37 PM 68230 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: BRM 6/20/2022 9:35:00 PM Gasoline Range Organics (GRO) ND 68216 4.9 mg/Kg 1 Surr: BFB 84.9 %Rec 6/20/2022 9:35:00 PM 68216 37.7-212 **EPA METHOD 8021B: VOLATILES** Analyst: BRM ND 0.024 6/20/2022 9:35:00 PM 68216 Benzene mg/Kg Toluene ND 0.049 mg/Kg 6/20/2022 9:35:00 PM 68216 Ethylbenzene ND 0.049 mg/Kg 1 6/20/2022 9:35:00 PM 68216 Xylenes, Total ND 0.097 mg/Kg 6/20/2022 9:35:00 PM 68216 Surr: 4-Bromofluorobenzene 70-130 68216 82.6 %Rec 6/20/2022 9:35:00 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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Date Reported: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-36

 Project:
 Hornbaker BA Battery
 Collection Date: 6/14/2022 9:40:00 AM

 Lab ID:
 2206858-015
 Matrix: SOIL
 Received Date: 6/16/2022 7:20:00 AM

Result **RL Oual Units DF** Date Analyzed **Batch** Analyses Analyst: JMT **EPA METHOD 300.0: ANIONS** Chloride 450 60 mg/Kg 20 6/21/2022 5:16:22 PM 68248 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: JME Diesel Range Organics (DRO) 100 15 mg/Kg 6/21/2022 7:47:57 PM Motor Oil Range Organics (MRO) 140 50 mg/Kg 1 6/21/2022 7:47:57 PM 68230 Surr: DNOP 61.1 51.1-141 %Rec 6/21/2022 7:47:57 PM 68230 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: BRM 6/20/2022 10:34:00 PM 68216 Gasoline Range Organics (GRO) ND 4.9 mg/Kg Surr: BFB 86.1 %Rec 6/20/2022 10:34:00 PM 68216 37.7-212 **EPA METHOD 8021B: VOLATILES** Analyst: BRM ND 0.024 6/20/2022 10:34:00 PM 68216 Benzene mg/Kg Toluene ND 0.049 mg/Kg 6/20/2022 10:34:00 PM 68216 Ethylbenzene ND 0.049 mg/Kg 1 6/20/2022 10:34:00 PM 68216 Xylenes, Total ND 0.097 mg/Kg 6/20/2022 10:34:00 PM 68216 Surr: 4-Bromofluorobenzene 70-130 6/20/2022 10:34:00 PM 68216 83.4 %Rec

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

Qualifiers:

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

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Date Reported: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-37

 Project:
 Hornbaker BA Battery
 Collection Date: 6/14/2022 9:45:00 AM

 Lab ID:
 2206858-016
 Matrix: SOIL
 Received Date: 6/16/2022 7:20:00 AM

Result **RL Oual Units DF** Date Analyzed **Batch** Analyses Analyst: JMT **EPA METHOD 300.0: ANIONS** Chloride 2200 60 mg/Kg 20 6/21/2022 5:28:42 PM 68248 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: JME Diesel Range Organics (DRO) 69 15 mg/Kg 6/21/2022 8:17:02 PM Motor Oil Range Organics (MRO) 110 49 mg/Kg 1 6/21/2022 8:17:02 PM 68230 Surr: DNOP 79.1 51.1-141 %Rec 6/21/2022 8:17:02 PM 68230 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: BRM 6/20/2022 10:54:00 PM 68216 Gasoline Range Organics (GRO) ND 4.9 mg/Kg Surr: BFB 82.3 %Rec 6/20/2022 10:54:00 PM 68216 37.7-212 **EPA METHOD 8021B: VOLATILES** Analyst: BRM ND 0.025 6/20/2022 10:54:00 PM 68216 Benzene mg/Kg Toluene ND 0.049 mg/Kg 6/20/2022 10:54:00 PM 68216 Ethylbenzene ND 0.049 mg/Kg 1 6/20/2022 10:54:00 PM 68216 Xylenes, Total ND 0.098 mg/Kg 6/20/2022 10:54:00 PM 68216 Surr: 4-Bromofluorobenzene 70-130 6/20/2022 10:54:00 PM 68216 83.1 %Rec

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

Qualifiers:

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

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Date Reported: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-38

 Project:
 Hornbaker BA Battery
 Collection Date: 6/14/2022 10:00:00 AM

 Lab ID:
 2206858-017
 Matrix: SOIL
 Received Date: 6/16/2022 7:20:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	1800	60	mg/Kg	20	6/21/2022 8:21:37 PM	68274
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: JME
Diesel Range Organics (DRO)	160	15	mg/Kg	1	6/21/2022 8:46:30 PM	68230
Motor Oil Range Organics (MRO)	180	49	mg/Kg	1	6/21/2022 8:46:30 PM	68230
Surr: DNOP	76.6	51.1-141	%Rec	1	6/21/2022 8:46:30 PM	68230
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/20/2022 11:13:00 PM	68216
Surr: BFB	84.6	37.7-212	%Rec	1	6/20/2022 11:13:00 PM	68216
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.024	mg/Kg	1	6/20/2022 11:13:00 PM	68216
Toluene	ND	0.049	mg/Kg	1	6/20/2022 11:13:00 PM	68216
Ethylbenzene	ND	0.049	mg/Kg	1	6/20/2022 11:13:00 PM	68216
Xylenes, Total	ND	0.098	mg/Kg	1	6/20/2022 11:13:00 PM	68216
Surr: 4-Bromofluorobenzene	83.3	70-130	%Rec	1	6/20/2022 11:13:00 PM	68216

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-39

 Project:
 Hornbaker BA Battery
 Collection Date: 6/14/2022 10:05:00 AM

 Lab ID:
 2206858-018
 Matrix: SOIL
 Received Date: 6/16/2022 7:20:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	NAI
Chloride	2300	150	mg/Kg	50	6/22/2022 12:50:45 PM	68274
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	JME
Diesel Range Organics (DRO)	36	14	mg/Kg	1	6/21/2022 9:15:41 PM	68230
Motor Oil Range Organics (MRO)	60	47	mg/Kg	1	6/21/2022 9:15:41 PM	68230
Surr: DNOP	87.0	51.1-141	%Rec	1	6/21/2022 9:15:41 PM	68230
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/20/2022 11:33:00 PM	68216
Surr: BFB	85.6	37.7-212	%Rec	1	6/20/2022 11:33:00 PM	68216
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.024	mg/Kg	1	6/20/2022 11:33:00 PM	68216
Toluene	ND	0.049	mg/Kg	1	6/20/2022 11:33:00 PM	68216
Ethylbenzene	ND	0.049	mg/Kg	1	6/20/2022 11:33:00 PM	68216
Xylenes, Total	ND	0.098	mg/Kg	1	6/20/2022 11:33:00 PM	68216
Surr: 4-Bromofluorobenzene	82.9	70-130	%Rec	1	6/20/2022 11:33:00 PM	68216

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-40

 Project:
 Hornbaker BA Battery
 Collection Date: 6/14/2022 10:10:00 AM

 Lab ID:
 2206858-019
 Matrix: SOIL
 Received Date: 6/16/2022 7:20:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	1100	59	mg/Kg	20	6/21/2022 9:11:00 PM	68274
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: JME
Diesel Range Organics (DRO)	82	14	mg/Kg	1	6/21/2022 9:30:09 PM	68230
Motor Oil Range Organics (MRO)	100	48	mg/Kg	1	6/21/2022 9:30:09 PM	68230
Surr: DNOP	101	51.1-141	%Rec	1	6/21/2022 9:30:09 PM	68230
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	6/20/2022 11:53:00 PM	68216
Surr: BFB	83.9	37.7-212	%Rec	1	6/20/2022 11:53:00 PM	68216
EPA METHOD 8021B: VOLATILES					Analyst	: BRM
Benzene	ND	0.024	mg/Kg	1	6/20/2022 11:53:00 PM	68216
Toluene	ND	0.048	mg/Kg	1	6/20/2022 11:53:00 PM	68216
Ethylbenzene	ND	0.048	mg/Kg	1	6/20/2022 11:53:00 PM	68216
Xylenes, Total	ND	0.096	mg/Kg	1	6/20/2022 11:53:00 PM	68216
Surr: 4-Bromofluorobenzene	82.4	70-130	%Rec	1	6/20/2022 11:53:00 PM	68216

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-41

 Project:
 Hornbaker BA Battery
 Collection Date: 6/14/2022 10:15:00 AM

 Lab ID:
 2206858-020
 Matrix: SOIL
 Received Date: 6/16/2022 7:20:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	2000	60	mg/Kg	20	6/21/2022 9:48:03 PM	68274
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: JME
Diesel Range Organics (DRO)	79	15	mg/Kg	1	6/21/2022 9:44:47 PM	68230
Motor Oil Range Organics (MRO)	120	48	mg/Kg	1	6/21/2022 9:44:47 PM	68230
Surr: DNOP	86.6	51.1-141	%Rec	1	6/21/2022 9:44:47 PM	68230
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	6/21/2022 12:13:00 AM	68216
Surr: BFB	86.1	37.7-212	%Rec	1	6/21/2022 12:13:00 AM	68216
EPA METHOD 8021B: VOLATILES					Analyst	: BRM
Benzene	ND	0.025	mg/Kg	1	6/21/2022 12:13:00 AM	68216
Toluene	ND	0.050	mg/Kg	1	6/21/2022 12:13:00 AM	68216
Ethylbenzene	ND	0.050	mg/Kg	1	6/21/2022 12:13:00 AM	68216
Xylenes, Total	ND	0.10	mg/Kg	1	6/21/2022 12:13:00 AM	68216
Surr: 4-Bromofluorobenzene	83.0	70-130	%Rec	1	6/21/2022 12:13:00 AM	68216

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-42

 Project:
 Hornbaker BA Battery
 Collection Date: 6/14/2022 10:20:00 AM

 Lab ID:
 2206858-021
 Matrix: SOIL
 Received Date: 6/16/2022 7:20:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: NAI
Chloride	2400	150	mg/Kg	50	6/22/2022 1:03:06 PM	68274
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	JME
Diesel Range Organics (DRO)	160	15	mg/Kg	1	6/21/2022 10:14:13 PM	68230
Motor Oil Range Organics (MRO)	190	49	mg/Kg	1	6/21/2022 10:14:13 PM	68230
Surr: DNOP	90.5	51.1-141	%Rec	1	6/21/2022 10:14:13 PM	68230
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/21/2022 12:32:00 AM	68216
Surr: BFB	86.8	37.7-212	%Rec	1	6/21/2022 12:32:00 AM	68216
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.025	mg/Kg	1	6/21/2022 12:32:00 AM	68216
Toluene	ND	0.049	mg/Kg	1	6/21/2022 12:32:00 AM	68216
Ethylbenzene	ND	0.049	mg/Kg	1	6/21/2022 12:32:00 AM	68216
Xylenes, Total	ND	0.098	mg/Kg	1	6/21/2022 12:32:00 AM	68216
Surr: 4-Bromofluorobenzene	83.6	70-130	%Rec	1	6/21/2022 12:32:00 AM	68216

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-43

 Project:
 Hornbaker BA Battery
 Collection Date: 6/14/2022 10:25:00 AM

 Lab ID:
 2206858-022
 Matrix: SOIL
 Received Date: 6/16/2022 7:20:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: NAI
Chloride	2500	150	mg/Kg	50	6/22/2022 1:15:28 PM	68274
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	JME
Diesel Range Organics (DRO)	88	15	mg/Kg	1	6/21/2022 10:43:57 PM	68230
Motor Oil Range Organics (MRO)	120	50	mg/Kg	1	6/21/2022 10:43:57 PM	68230
Surr: DNOP	91.9	51.1-141	%Rec	1	6/21/2022 10:43:57 PM	68230
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	6/21/2022 12:52:00 AM	68216
Surr: BFB	90.4	37.7-212	%Rec	1	6/21/2022 12:52:00 AM	68216
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.024	mg/Kg	1	6/21/2022 12:52:00 AM	68216
Toluene	ND	0.048	mg/Kg	1	6/21/2022 12:52:00 AM	68216
Ethylbenzene	ND	0.048	mg/Kg	1	6/21/2022 12:52:00 AM	68216
Xylenes, Total	ND	0.097	mg/Kg	1	6/21/2022 12:52:00 AM	68216
Surr: 4-Bromofluorobenzene	84.6	70-130	%Rec	1	6/21/2022 12:52:00 AM	68216

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-44

 Project:
 Hornbaker BA Battery
 Collection Date: 6/14/2022 10:30:00 AM

 Lab ID:
 2206858-023
 Matrix: SOIL
 Received Date: 6/16/2022 7:20:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: NAI
Chloride	3200	150	mg/Kg	50	6/22/2022 1:27:49 PM	68274
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	JME
Diesel Range Organics (DRO)	40	14	mg/Kg	1	6/21/2022 11:13:32 PM	68230
Motor Oil Range Organics (MRO)	87	48	mg/Kg	1	6/21/2022 11:13:32 PM	68230
Surr: DNOP	82.2	51.1-141	%Rec	1	6/21/2022 11:13:32 PM	68230
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/21/2022 1:32:00 AM	68216
Surr: BFB	85.0	37.7-212	%Rec	1	6/21/2022 1:32:00 AM	68216
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.025	mg/Kg	1	6/21/2022 1:32:00 AM	68216
Toluene	ND	0.049	mg/Kg	1	6/21/2022 1:32:00 AM	68216
Ethylbenzene	ND	0.049	mg/Kg	1	6/21/2022 1:32:00 AM	68216
Xylenes, Total	ND	0.098	mg/Kg	1	6/21/2022 1:32:00 AM	68216
Surr: 4-Bromofluorobenzene	83.0	70-130	%Rec	1	6/21/2022 1:32:00 AM	68216

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-45

 Project:
 Hornbaker BA Battery
 Collection Date: 6/14/2022 10:35:00 AM

 Lab ID:
 2206858-024
 Matrix: SOIL
 Received Date: 6/16/2022 7:20:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: NAI
Chloride	3200	150	mg/Kg	50	6/22/2022 1:40:10 PM	68274
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: JME
Diesel Range Organics (DRO)	56	14	mg/Kg	1	6/21/2022 11:43:12 PM	68230
Motor Oil Range Organics (MRO)	110	48	mg/Kg	1	6/21/2022 11:43:12 PM	68230
Surr: DNOP	77.6	51.1-141	%Rec	1	6/21/2022 11:43:12 PM	68230
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	6/21/2022 1:51:00 AM	68216
Surr: BFB	85.1	37.7-212	%Rec	1	6/21/2022 1:51:00 AM	68216
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.024	mg/Kg	1	6/21/2022 1:51:00 AM	68216
Toluene	ND	0.048	mg/Kg	1	6/21/2022 1:51:00 AM	68216
Ethylbenzene	ND	0.048	mg/Kg	1	6/21/2022 1:51:00 AM	68216
Xylenes, Total	ND	0.097	mg/Kg	1	6/21/2022 1:51:00 AM	68216
Surr: 4-Bromofluorobenzene	81.8	70-130	%Rec	1	6/21/2022 1:51:00 AM	68216

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-46

 Project:
 Hornbaker BA Battery
 Collection Date: 6/14/2022 10:40:00 AM

 Lab ID:
 2206858-025
 Matrix: SOIL
 Received Date: 6/16/2022 7:20:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: NAI
Chloride	3200	150	mg/Kg	50	6/22/2022 1:52:31 PM	68274
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: JME
Diesel Range Organics (DRO)	62	14	mg/Kg	1	6/22/2022 12:27:47 AM	68230
Motor Oil Range Organics (MRO)	82	48	mg/Kg	1	6/22/2022 12:27:47 AM	68230
Surr: DNOP	109	51.1-141	%Rec	1	6/22/2022 12:27:47 AM	68230
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/21/2022 2:11:00 AM	68216
Surr: BFB	85.0	37.7-212	%Rec	1	6/21/2022 2:11:00 AM	68216
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.025	mg/Kg	1	6/21/2022 2:11:00 AM	68216
Toluene	ND	0.049	mg/Kg	1	6/21/2022 2:11:00 AM	68216
Ethylbenzene	ND	0.049	mg/Kg	1	6/21/2022 2:11:00 AM	68216
Xylenes, Total	ND	0.098	mg/Kg	1	6/21/2022 2:11:00 AM	68216
Surr: 4-Bromofluorobenzene	84.1	70-130	%Rec	1	6/21/2022 2:11:00 AM	68216

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-47

 Project:
 Hornbaker BA Battery
 Collection Date: 6/14/2022 10:45:00 AM

 Lab ID:
 2206858-026
 Matrix: SOIL
 Received Date: 6/16/2022 7:20:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	210	60	mg/Kg	20	6/21/2022 11:02:10 PM	68274
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	JME
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	6/22/2022 12:42:38 AM	68230
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	6/22/2022 12:42:38 AM	68230
Surr: DNOP	83.6	51.1-141	%Rec	1	6/22/2022 12:42:38 AM	68230
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/21/2022 2:31:00 AM	68216
Surr: BFB	84.6	37.7-212	%Rec	1	6/21/2022 2:31:00 AM	68216
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.025	mg/Kg	1	6/21/2022 2:31:00 AM	68216
Toluene	ND	0.049	mg/Kg	1	6/21/2022 2:31:00 AM	68216
Ethylbenzene	ND	0.049	mg/Kg	1	6/21/2022 2:31:00 AM	68216
Xylenes, Total	ND	0.098	mg/Kg	1	6/21/2022 2:31:00 AM	68216
Surr: 4-Bromofluorobenzene	84.2	70-130	%Rec	1	6/21/2022 2:31:00 AM	68216

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-48

 Project:
 Hornbaker BA Battery
 Collection Date: 6/14/2022 11:00:00 AM

 Lab ID:
 2206858-027
 Matrix: SOIL
 Received Date: 6/16/2022 7:20:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: NAI
Chloride	3100	150	mg/Kg	50	6/22/2022 2:04:51 PM	68274
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: JME
Diesel Range Organics (DRO)	110	15	mg/Kg	1	6/22/2022 12:57:24 AM	68230
Motor Oil Range Organics (MRO)	150	49	mg/Kg	1	6/22/2022 12:57:24 AM	68230
Surr: DNOP	97.6	51.1-141	%Rec	1	6/22/2022 12:57:24 AM	68230
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/21/2022 2:51:00 AM	68216
Surr: BFB	89.3	37.7-212	%Rec	1	6/21/2022 2:51:00 AM	68216
EPA METHOD 8021B: VOLATILES					Analyst	: BRM
Benzene	ND	0.025	mg/Kg	1	6/21/2022 2:51:00 AM	68216
Toluene	ND	0.049	mg/Kg	1	6/21/2022 2:51:00 AM	68216
Ethylbenzene	ND	0.049	mg/Kg	1	6/21/2022 2:51:00 AM	68216
Xylenes, Total	ND	0.099	mg/Kg	1	6/21/2022 2:51:00 AM	68216
Surr: 4-Bromofluorobenzene	84.8	70-130	%Rec	1	6/21/2022 2:51:00 AM	68216

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-49

 Project:
 Hornbaker BA Battery
 Collection Date: 6/14/2022 11:05:00 AM

 Lab ID:
 2206858-028
 Matrix: SOIL
 Received Date: 6/16/2022 7:20:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: NAI
Chloride	3000	150	mg/Kg	50	6/22/2022 2:17:11 PM	68274
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: JME
Diesel Range Organics (DRO)	64	15	mg/Kg	1	6/22/2022 1:27:02 AM	68230
Motor Oil Range Organics (MRO)	100	49	mg/Kg	1	6/22/2022 1:27:02 AM	68230
Surr: DNOP	80.2	51.1-141	%Rec	1	6/22/2022 1:27:02 AM	68230
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	6/21/2022 3:10:00 AM	68216
Surr: BFB	84.6	37.7-212	%Rec	1	6/21/2022 3:10:00 AM	68216
EPA METHOD 8021B: VOLATILES					Analyst	: BRM
Benzene	ND	0.025	mg/Kg	1	6/21/2022 3:10:00 AM	68216
Toluene	ND	0.050	mg/Kg	1	6/21/2022 3:10:00 AM	68216
Ethylbenzene	ND	0.050	mg/Kg	1	6/21/2022 3:10:00 AM	68216
Xylenes, Total	ND	0.10	mg/Kg	1	6/21/2022 3:10:00 AM	68216
Surr: 4-Bromofluorobenzene	82.7	70-130	%Rec	1	6/21/2022 3:10:00 AM	68216

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 **2206858**Date Reported: **7/1/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-50

 Project:
 Hornbaker BA Battery
 Collection Date: 6/14/2022 11:10:00 AM

 Lab ID:
 2206858-029
 Matrix: SOIL
 Received Date: 6/16/2022 7:20:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: NAI
Chloride	2300	150	mg/Kg	50	6/22/2022 2:29:32 PM	68274
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: JME
Diesel Range Organics (DRO)	78	15	mg/Kg	1	6/22/2022 1:56:39 AM	68230
Motor Oil Range Organics (MRO)	100	49	mg/Kg	1	6/22/2022 1:56:39 AM	68230
Surr: DNOP	85.5	51.1-141	%Rec	1	6/22/2022 1:56:39 AM	68230
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	6/21/2022 3:30:00 AM	68216
Surr: BFB	87.0	37.7-212	%Rec	1	6/21/2022 3:30:00 AM	68216
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.025	mg/Kg	1	6/21/2022 3:30:00 AM	68216
Toluene	ND	0.050	mg/Kg	1	6/21/2022 3:30:00 AM	68216
Ethylbenzene	ND	0.050	mg/Kg	1	6/21/2022 3:30:00 AM	68216
Xylenes, Total	ND	0.10	mg/Kg	1	6/21/2022 3:30:00 AM	68216
Surr: 4-Bromofluorobenzene	84.9	70-130	%Rec	1	6/21/2022 3:30:00 AM	68216

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-51

 Project:
 Hornbaker BA Battery
 Collection Date: 6/14/2022 11:15:00 AM

 Lab ID:
 2206858-030
 Matrix: SOIL
 Received Date: 6/16/2022 7:20:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	1700	60	mg/Kg	20	6/22/2022 12:16:15 AM	68274
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: JME
Diesel Range Organics (DRO)	35	15	mg/Kg	1	6/22/2022 2:41:05 AM	68230
Motor Oil Range Organics (MRO)	64	49	mg/Kg	1	6/22/2022 2:41:05 AM	68230
Surr: DNOP	93.7	51.1-141	%Rec	1	6/22/2022 2:41:05 AM	68230
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/21/2022 3:50:00 AM	68216
Surr: BFB	84.5	37.7-212	%Rec	1	6/21/2022 3:50:00 AM	68216
EPA METHOD 8021B: VOLATILES					Analyst	: BRM
Benzene	ND	0.024	mg/Kg	1	6/21/2022 3:50:00 AM	68216
Toluene	ND	0.049	mg/Kg	1	6/21/2022 3:50:00 AM	68216
Ethylbenzene	ND	0.049	mg/Kg	1	6/21/2022 3:50:00 AM	68216
Xylenes, Total	ND	0.098	mg/Kg	1	6/21/2022 3:50:00 AM	68216
Surr: 4-Bromofluorobenzene	84.0	70-130	%Rec	1	6/21/2022 3:50:00 AM	68216

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-52

 Project:
 Hornbaker BA Battery
 Collection Date: 6/14/2022 11:20:00 AM

 Lab ID:
 2206858-031
 Matrix: SOIL
 Received Date: 6/16/2022 7:20:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	1400	60	mg/Kg	20	6/22/2022 12:28:35 AM	68274
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: JME
Diesel Range Organics (DRO)	24	14	mg/Kg	1	6/22/2022 2:55:55 AM	68230
Motor Oil Range Organics (MRO)	51	47	mg/Kg	1	6/22/2022 2:55:55 AM	68230
Surr: DNOP	89.7	51.1-141	%Rec	1	6/22/2022 2:55:55 AM	68230
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/21/2022 4:10:00 AM	68216
Surr: BFB	83.1	37.7-212	%Rec	1	6/21/2022 4:10:00 AM	68216
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.025	mg/Kg	1	6/21/2022 4:10:00 AM	68216
Toluene	ND	0.049	mg/Kg	1	6/21/2022 4:10:00 AM	68216
Ethylbenzene	ND	0.049	mg/Kg	1	6/21/2022 4:10:00 AM	68216
Xylenes, Total	ND	0.098	mg/Kg	1	6/21/2022 4:10:00 AM	68216
Surr: 4-Bromofluorobenzene	83.5	70-130	%Rec	1	6/21/2022 4:10:00 AM	68216

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-53

 Project:
 Hornbaker BA Battery
 Collection Date: 6/14/2022 11:25:00 AM

 Lab ID:
 2206858-032
 Matrix: SOIL
 Received Date: 6/16/2022 7:20:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: NAI
Chloride	8700	300	mg/Kg	100	0 6/22/2022 3:06:34 PM	68274
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: JME
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	6/22/2022 3:10:41 AM	68230
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	6/22/2022 3:10:41 AM	68230
Surr: DNOP	91.3	51.1-141	%Rec	1	6/22/2022 3:10:41 AM	68230
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	6/21/2022 4:29:00 AM	68216
Surr: BFB	84.8	37.7-212	%Rec	1	6/21/2022 4:29:00 AM	68216
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.025	mg/Kg	1	6/21/2022 4:29:00 AM	68216
Toluene	ND	0.050	mg/Kg	1	6/21/2022 4:29:00 AM	68216
Ethylbenzene	ND	0.050	mg/Kg	1	6/21/2022 4:29:00 AM	68216
Xylenes, Total	ND	0.10	mg/Kg	1	6/21/2022 4:29:00 AM	68216
Surr: 4-Bromofluorobenzene	85.1	70-130	%Rec	1	6/21/2022 4:29:00 AM	68216

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 **2206858**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/1/2022

CLIENT: GHD Midland Client Sample ID: BH-54

 Project:
 Hornbaker BA Battery
 Collection Date: 6/14/2022 11:30:00 AM

 Lab ID:
 2206858-033
 Matrix: SOIL
 Received Date: 6/16/2022 7:20:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	1500	60	mg/Kg	20	6/22/2022 12:53:16 AM	68274
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: JME
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	6/21/2022 2:12:59 PM	68231
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	6/21/2022 2:12:59 PM	68231
Surr: DNOP	99.6	51.1-141	%Rec	1	6/21/2022 2:12:59 PM	68231
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/20/2022 7:37:29 PM	68217
Surr: BFB	91.6	37.7-212	%Rec	1	6/20/2022 7:37:29 PM	68217
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	6/20/2022 7:37:29 PM	68217
Toluene	ND	0.049	mg/Kg	1	6/20/2022 7:37:29 PM	68217
Ethylbenzene	ND	0.049	mg/Kg	1	6/20/2022 7:37:29 PM	68217
Xylenes, Total	ND	0.098	mg/Kg	1	6/20/2022 7:37:29 PM	68217
Surr: 4-Bromofluorobenzene	89.5	70-130	%Rec	1	6/20/2022 7:37:29 PM	68217

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 **2206858**Date Reported: **7/1/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-55

 Project:
 Hornbaker BA Battery
 Collection Date: 6/14/2022 11:35:00 AM

 Lab ID:
 2206858-034
 Matrix: SOIL
 Received Date: 6/16/2022 7:20:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: NAI
Chloride	3800	150	mg/Kg	50	6/23/2022 2:33:24 PM	68287
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: JME
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	6/21/2022 3:10:48 PM	68231
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	6/21/2022 3:10:48 PM	68231
Surr: DNOP	82.1	51.1-141	%Rec	1	6/21/2022 3:10:48 PM	68231
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/20/2022 8:48:02 PM	68217
Surr: BFB	93.9	37.7-212	%Rec	1	6/20/2022 8:48:02 PM	68217
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	6/20/2022 8:48:02 PM	68217
Toluene	ND	0.049	mg/Kg	1	6/20/2022 8:48:02 PM	68217
Ethylbenzene	ND	0.049	mg/Kg	1	6/20/2022 8:48:02 PM	68217
Xylenes, Total	ND	0.098	mg/Kg	1	6/20/2022 8:48:02 PM	68217
Surr: 4-Bromofluorobenzene	91.1	70-130	%Rec	1	6/20/2022 8:48:02 PM	68217

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-56

 Project:
 Hornbaker BA Battery
 Collection Date: 6/14/2022 11:40:00 AM

 Lab ID:
 2206858-035
 Matrix: SOIL
 Received Date: 6/16/2022 7:20:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: NAI
Chloride	3300	150	mg/Kg	50	6/23/2022 2:45:48 PM	68287
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: JME
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	6/21/2022 3:25:16 PM	68231
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	6/21/2022 3:25:16 PM	68231
Surr: DNOP	84.5	51.1-141	%Rec	1	6/21/2022 3:25:16 PM	68231
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/20/2022 9:58:47 PM	68217
Surr: BFB	92.8	37.7-212	%Rec	1	6/20/2022 9:58:47 PM	68217
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	6/20/2022 9:58:47 PM	68217
Toluene	ND	0.049	mg/Kg	1	6/20/2022 9:58:47 PM	68217
Ethylbenzene	ND	0.049	mg/Kg	1	6/20/2022 9:58:47 PM	68217
Xylenes, Total	ND	0.097	mg/Kg	1	6/20/2022 9:58:47 PM	68217
Surr: 4-Bromofluorobenzene	89.7	70-130	%Rec	1	6/20/2022 9:58:47 PM	68217

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-23

 Project:
 Hornbaker BA Battery
 Collection Date: 6/14/2022 11:45:00 AM

 Lab ID:
 2206858-036
 Matrix: SOIL
 Received Date: 6/16/2022 7:20:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	210	59	mg/Kg	20	6/22/2022 2:31:29 PM	68287
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: JME
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	6/21/2022 3:39:41 PM	68231
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	6/21/2022 3:39:41 PM	68231
Surr: DNOP	80.7	51.1-141	%Rec	1	6/21/2022 3:39:41 PM	68231
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/20/2022 10:22:22 PM	68217
Surr: BFB	92.6	37.7-212	%Rec	1	6/20/2022 10:22:22 PM	68217
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	6/20/2022 10:22:22 PM	68217
Toluene	ND	0.049	mg/Kg	1	6/20/2022 10:22:22 PM	68217
Ethylbenzene	ND	0.049	mg/Kg	1	6/20/2022 10:22:22 PM	68217
Xylenes, Total	ND	0.097	mg/Kg	1	6/20/2022 10:22:22 PM	68217
Surr: 4-Bromofluorobenzene	91.2	70-130	%Rec	1	6/20/2022 10:22:22 PM	68217

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-57

 Project:
 Hornbaker BA Battery
 Collection Date: 6/14/2022 12:00:00 PM

 Lab ID:
 2206858-037
 Matrix: SOIL
 Received Date: 6/16/2022 7:20:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	1100	60	mg/Kg	20	6/22/2022 2:43:53 PM	68287
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: ED
Diesel Range Organics (DRO)	68	15	mg/Kg	1	6/23/2022 10:59:12 AM	68231
Motor Oil Range Organics (MRO)	130	49	mg/Kg	1	6/23/2022 10:59:12 AM	68231
Surr: DNOP	80.2	51.1-141	%Rec	1	6/23/2022 10:59:12 AM	68231
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	6/20/2022 10:45:56 PM	68217
Surr: BFB	92.1	37.7-212	%Rec	1	6/20/2022 10:45:56 PM	68217
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	6/20/2022 10:45:56 PM	68217
Toluene	ND	0.048	mg/Kg	1	6/20/2022 10:45:56 PM	68217
Ethylbenzene	ND	0.048	mg/Kg	1	6/20/2022 10:45:56 PM	68217
Xylenes, Total	ND	0.097	mg/Kg	1	6/20/2022 10:45:56 PM	68217
Surr: 4-Bromofluorobenzene	88.7	70-130	%Rec	1	6/20/2022 10:45:56 PM	68217

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-24

 Project:
 Hornbaker BA Battery
 Collection Date: 6/14/2022 12:05:00 PM

 Lab ID:
 2206858-038
 Matrix: SOIL
 Received Date: 6/16/2022 7:20:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	1900	60	mg/Kg	20	6/22/2022 2:56:17 PM	68287
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: ED
Diesel Range Organics (DRO)	43	15	mg/Kg	1	6/23/2022 11:20:22 AM	68231
Motor Oil Range Organics (MRO)	110	49	mg/Kg	1	6/23/2022 11:20:22 AM	68231
Surr: DNOP	74.7	51.1-141	%Rec	1	6/23/2022 11:20:22 AM	68231
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	6/20/2022 11:09:29 PM	68217
Surr: BFB	89.6	37.7-212	%Rec	1	6/20/2022 11:09:29 PM	68217
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	6/20/2022 11:09:29 PM	68217
Toluene	ND	0.050	mg/Kg	1	6/20/2022 11:09:29 PM	68217
Ethylbenzene	ND	0.050	mg/Kg	1	6/20/2022 11:09:29 PM	68217
Xylenes, Total	ND	0.099	mg/Kg	1	6/20/2022 11:09:29 PM	68217
Surr: 4-Bromofluorobenzene	86.7	70-130	%Rec	1	6/20/2022 11:09:29 PM	68217

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-25

 Project:
 Hornbaker BA Battery
 Collection Date: 6/14/2022 12:10:00 PM

 Lab ID:
 2206858-039
 Matrix: SOIL
 Received Date: 6/16/2022 7:20:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	890	60	mg/Kg	20	6/22/2022 6:02:23 PM	68287
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: ED
Diesel Range Organics (DRO)	90	15	mg/Kg	1	6/23/2022 11:41:38 AM	68231
Motor Oil Range Organics (MRO)	160	50	mg/Kg	1	6/23/2022 11:41:38 AM	68231
Surr: DNOP	71.5	51.1-141	%Rec	1	6/23/2022 11:41:38 AM	68231
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/20/2022 11:33:01 PM	68217
Surr: BFB	93.2	37.7-212	%Rec	1	6/20/2022 11:33:01 PM	68217
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	6/20/2022 11:33:01 PM	68217
Toluene	ND	0.049	mg/Kg	1	6/20/2022 11:33:01 PM	68217
Ethylbenzene	ND	0.049	mg/Kg	1	6/20/2022 11:33:01 PM	68217
Xylenes, Total	ND	0.098	mg/Kg	1	6/20/2022 11:33:01 PM	68217
Surr: 4-Bromofluorobenzene	89.2	70-130	%Rec	1	6/20/2022 11:33:01 PM	68217

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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#: **2206858**

01-Jul-22

Client: GHD Midland

Project: Hornbaker BA Battery

Sample ID: MB-68248 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 68248 RunNo: 88931

Prep Date: 6/21/2022 Analysis Date: 6/21/2022 SeqNo: 3158097 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-68248 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 68248 RunNo: 88931

Prep Date: 6/21/2022 Analysis Date: 6/21/2022 SeqNo: 3158098 Units: mg/Kg

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

Chloride 15 1.5 15.00 0 97.2 90 110

Sample ID: MB-68274 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 68274 RunNo: 88931

Prep Date: 6/21/2022 Analysis Date: 6/21/2022 SeqNo: 3158129 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-68274 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 68274 RunNo: 88931

Prep Date: 6/21/2022 Analysis Date: 6/21/2022 SeqNo: 3158130 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 94.5 90 110

Sample ID: MB-68287 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 68287 RunNo: 88947

Prep Date: 6/22/2022 Analysis Date: 6/22/2022 SeqNo: 3159736 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-68287 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 68287 RunNo: 88947

Prep Date: 6/22/2022 Analysis Date: 6/22/2022 SeqNo: 3159737 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 95.0 90 110

Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

9.1

WO#: 2206858

01-Jul-22

Client: GHD Midland **Project:** Hornbaker BA Battery

Sample ID: MB-68211

Surr: DNOP

Sample ID: LCS-68211 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: LCSS Batch ID: 68211 RunNo: 88913

Prep Date: 6/17/2022 Analysis Date: 6/21/2022 SeqNo: 3158544 Units: mq/Kq

SPK value SPK Ref Val %REC %RPD **RPDLimit** Analyte Result PQL LowLimit HighLimit Qual Diesel Range Organics (DRO) 48 15 50.00 Λ 96.4 64.4 127 Surr: DNOP 3.8 5.000 75.8 51.1 141

SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PBS Batch ID: 68211 RunNo: 88913 Prep Date: 6/17/2022 Analysis Date: 6/21/2022 SeqNo: 3158547 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) ND 15 Motor Oil Range Organics (MRO) ND 50 Surr: DNOP 9.9 10.00 99.0 51.1 141

Sample ID: MB-68231 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PBS Batch ID: 68231 RunNo: 88925 Prep Date: 6/20/2022 Analysis Date: 6/21/2022 SeqNo: 3158629 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) ND 15 Motor Oil Range Organics (MRO) ND 50

Sample ID: LCS-68231 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 68231 RunNo: 88925 Prep Date: 6/20/2022 Analysis Date: 6/21/2022 SeqNo: 3158631 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual LowLimit Diesel Range Organics (DRO) 43 64.4 15 50.00 86.5 127 Surr: DNOP 86.2 4.3 5.000 51.1 141

90.7

51.1

141

Sample ID: MB-68230 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PBS Batch ID: 68230 RunNo: 88926 Prep Date: 6/20/2022 Analysis Date: 6/21/2022 SeqNo: 3159593 Units: mg/Kg SPK value SPK Ref Val %REC LowLimit Analyte Result **PQL** HighLimit %RPD **RPDLimit** Qual

Diesel Range Organics (DRO) ND 15 Motor Oil Range Organics (MRO) ND 50 Surr: DNOP 10 10.00 104 51.1 141

10.00

Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix interference

Analyte detected in the associated Method Blank

Estimated value

Analyte detected below quantitation limits

Sample pH Not In Range

RL Reporting Limit Page 41 of 48

Hall Environmental Analysis Laboratory, Inc.

WO#: **2206858**

01-Jul-22

Client: GHD Midland

Project: Hornbaker BA Battery

Sample ID: LCS-68230 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: LCSS Batch ID: 68230 RunNo: 88926

Prep Date: 6/20/2022 Analysis Date: 6/21/2022 SeqNo: 3159594 Units: mg/Kg

SPK value SPK Ref Val %RPD **RPDLimit** Analyte Result PQL %REC LowLimit HighLimit Qual Diesel Range Organics (DRO) 47 15 50.00 Λ 94.8 64.4 127 Surr: DNOP 5.3 5.000 107 51.1 141

Sample ID: 2206858-033AMS SampType: MS TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: **BH-54** Batch ID: **68231** RunNo: **88926**

Prep Date: 6/20/2022 Analysis Date: 6/21/2022 SeqNo: 3159596 Units: mg/Kg

HighLimit Analyte Result PQL SPK value SPK Ref Val %REC LowLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) 47 15 50.35 O 93.7 36.1 154 Surr: DNOP 4.8 5.035 96.1 51.1 141

Sample ID: 2206858-033AMSD SampType: MSD TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: **BH-54** Batch ID: **68231** RunNo: **88926**

Prep Date: 6/20/2022 Analysis Date: 6/21/2022 SeqNo: 3159597 Units: mg/Kg

HighLimit SPK value SPK Ref Val %REC %RPD **RPDLimit** Analyte Result POI LowLimit Qual Diesel Range Organics (DRO) 50 14 47.76 0 105 36.1 154 5.86 33.9 Surr: DNOP 0 4.8 4.776 99.7 51.1 141 0

Sample ID: 2206858-014AMS SampType: MS TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: **BH-35** Batch ID: **68230** RunNo: **88926**

Prep Date: 6/20/2022 Analysis Date: 6/21/2022 SeqNo: 3159616 Units: mg/Kg

SPK value SPK Ref Val %REC %RPD Result PQL LowLimit HighLimit **RPDLimit** Qual Diesel Range Organics (DRO) 59 15 42.66 S 50.00 32 1 36 1 154 Surr: DNOP 4.0 5.000 79.1 51.1 141

Sample ID: 2206858-014AMSD SampType: MSD TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: BH-35 Batch ID: 68230 RunNo: 88926

Prep Date: 6/20/2022 Analysis Date: 6/21/2022 SeqNo: 3159617 Units: mg/Kg

Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) 87 15 42.66 36.1 R 49.85 88.6 154 38.6 33.9 Surr: DNOP 4.6 4.985 91.4 51.1 141 0 0

Sample ID: MB-68322 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: PBS Batch ID: 68322 RunNo: 88982

Prep Date: 6/23/2022 Analysis Date: 6/24/2022 SeqNo: 3162904 Units: %Rec

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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#: **2206858** *01-Jul-22*

Client: GHD Midland

Project: Hornbaker BA Battery

Sample ID: MB-68322 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: **PBS** Batch ID: **68322** RunNo: **88982**

Prep Date: 6/23/2022 Analysis Date: 6/24/2022 SeqNo: 3162904 Units: %Rec

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

Surr: DNOP 11 10.00 106 51.1 141

Sample ID: LCS-68322 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: LCSS Batch ID: 68322 RunNo: 88982

Prep Date: 6/23/2022 Analysis Date: 6/24/2022 SeqNo: 3162905 Units: %Rec

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

Surr: DNOP 5.4 5.000 109 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#: 2206858 01-Jul-22

Client: GHD Midland

Sample ID: 2206858-033ams

Project: Hornbaker BA Battery

Sample ID: mb-68217 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 68217 RunNo: 88881

Prep Date: 6/19/2022 Analysis Date: 6/21/2022 SeqNo: 3155809 Units: mg/Kg

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

Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 950 1000 94.8 37.7 212

Sample ID: Ics-68217 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 68217 RunNo: 88881

Prep Date: 6/19/2022 Analysis Date: 6/20/2022 SeqNo: 3155810 Units: mg/Kg

HighLimit Analyte Result PQL SPK value SPK Ref Val %REC LowLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 28 5.0 25.00 O 113 72.3 137 Surr: BFB S 2100 1000 215 37.7 212

SampType: MS TestCode: EPA Method 8015D: Gasoline Range Client ID: BH-54 Batch ID: 68217 RunNo: 88881 Prep Date: 6/19/2022 Analysis Date: 6/20/2022 SeqNo: 3155812 Units: mg/Kg SPK value SPK Ref Val %REC %RPD **RPDLimit** Analyte Result PQL LowLimit HighLimit Qual

Gasoline Range Organics (GRO) 31 4.9 24.32 0 127 70 130 Surr: BFB S 2200 972.8 226 37.7 212 Sample ID: Ics-68205 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 68205 RunNo: 88882 Prep Date: 6/17/2022 Analysis Date: 6/20/2022 SeqNo: 3155922 Units: mg/Kg SPK value SPK Ref Val %REC %RPD **RPDLimit** Result PQL LowLimit HighLimit Qual Gasoline Range Organics (GRO) 21 5.0 83.3 25.00 72.3 137

Surr: BFB 1900 1000 186 37.7 212

Sample ID: mb-68205 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range Client ID: PRS Batch ID: 68205 RunNo: 88882

Prep Date: 6/17/2022 Analysis Date: 6/20/2022 SegNo: 3155923 Units: mg/Kg

Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 5.0 ND

Surr: BFB 850 1000 84.6 37.7 212

Sample ID: Ics-68216 TestCode: EPA Method 8015D: Gasoline Range SampType: LCS

Client ID: LCSS Batch ID: 68216 RunNo: 88882

Prep Date: 6/19/2022 Analysis Date: 6/20/2022 SeqNo: 3155946 Units: mg/Kg

HighLimit SPK value SPK Ref Val %REC %RPD **RPDLimit** Analyte Result PQL LowLimit 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
- 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#: **2206858**

01-Jul-22

Client: GHD Midland

Project: Hornbaker BA Battery

Sample ID: Ics-68216 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 68216 RunNo: 88882

Prep Date: 6/19/2022 Analysis Date: 6/20/2022 SeqNo: 3155946 Units: mg/Kg

PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte Result LowLimit Qual 0 25 5.0 25.00 99.4 72.3 137

 Gasoline Range Organics (GRO)
 25
 5.0
 25.00
 0
 99.4
 72.3
 137

 Surr: BFB
 1900
 1000
 192
 37.7
 212

Sample ID: mb-68216 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: **PBS** Batch ID: **68216** RunNo: **88882**

Prep Date: 6/19/2022 Analysis Date: 6/20/2022 SeqNo: 3155947 Units: mg/Kg

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

Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 860 1000 85.5 37.7 212

Sample ID: 2206858-033AMSD SampType: MSD TestCode: EPA Method 8015D: Gasoline Range

Client ID: **BH-54** Batch ID: **68217** RunNo: **88920**

Prep Date: 6/19/2022 Analysis Date: 6/21/2022 SeqNo: 3157682 Units: mg/Kg

%RPD SPK value SPK Ref Val %REC LowLimit HighLimit **RPDLimit** Qual Analyte Result PQL Gasoline Range Organics (GRO) 26 4.9 24.53 0 104 70 130 18.8 20 Surr: BFB 1900 981.4 212 0 196 37.7 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#: **2206858**

01-Jul-22

Client: GHD Midland

Project: Hornbaker BA Battery

Sample ID: mb-68217 SampType: MBLK TestCode: EPA Method 8021B: Volatiles

Client ID: PBS Batch ID: 68217 RunNo: 88881

Prep Date: 6/19/2022 Analysis Date: 6/21/2022 SeqNo: 3155844 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
 0.92
 1.000
 91.7
 70
 130

Sample ID: LCS-68217 SampType: LCS TestCode: EPA Method 8021B: Volatiles

Prep Date: 6/19/2022 Analysis Date: 6/20/2022 SeqNo: 3155845 Units: mg/Kg

Analyte PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 1.000 0.84 0.025 0 83.5 80 120 Benzene Toluene 0.89 0.050 1.000 0 89.1 80 120 0 89.9 80 0.90 0.050 1.000 120 Ethylbenzene 0 90.6 Xylenes, Total 2.7 0.10 3.000 80 120 Surr: 4-Bromofluorobenzene 0.92 1.000 92.1 70 130

RunNo: 88881

Sample ID: 2206858-034ams SampType: MS TestCode: EPA Method 8021B: Volatiles

Client ID: **BH-55** Batch ID: **68217** RunNo: **88881**

Batch ID: 68217

Prep Date: 6/19/2022 Analysis Date: 6/20/2022 SeqNo: 3155848 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 87.5 0.87 0.025 0.9891 68.8 120 Benzene O Toluene 0.93 0.049 0.9891 0 93.7 73.6 124 0 95.8 72.7 129 Ethylbenzene 0.95 0.049 0.9891 Xylenes, Total 2.8 0.099 2.967 0 96.0 75.7 126 Surr: 4-Bromofluorobenzene 0.9891 0.90 90.8 70 130

Sample ID: 2206858-034amsd SampType: MSD TestCode: EPA Method 8021B: Volatiles

Client ID: **BH-55** Batch ID: **68217** RunNo: **88881**

Prep Date: 6/19/2022	Analysis [Date: 6/	20/2022	S	SeqNo: 3	155849	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.80	0.024	0.9766	0	82.1	68.8	120	7.60	20	
Toluene	0.87	0.049	0.9766	0	88.6	73.6	124	6.86	20	
Ethylbenzene	0.88	0.049	0.9766	0	90.5	72.7	129	6.96	20	
Xylenes, Total	2.7	0.098	2.930	0	91.3	75.7	126	6.29	20	
Surr: 4-Bromofluorobenzene	0.91		0.9766		93.5	70	130	0	0	

Qualifiers:

Client ID:

LCSS

- Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte 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 46 of 48

Hall Environmental Analysis Laboratory, Inc.

WO#: **2206858** *01-Jul-22*

Client: GHD Midland

Project: Hornbaker BA Battery

Sample ID: Ics-68205	SampT	SampType: LCS TestCode: EPA Method 80						tiles					
Client ID: LCSS	Batch	Batch ID: 68205 RunNo: 8888					2						
Prep Date: 6/17/2022	Analysis D	Pate: 6/20/2022 SeqNo: 3155970 Ur					Analysis Date: 6/20/2022 SeqNo: 3155970 Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Benzene	0.97	0.025	1.000	0	97.3	80	120						
Toluene	1.0	0.050	1.000	0	101	80	120						
Ethylbenzene	1.0	0.050	1.000	0	100	80	120						
Xylenes, Total	3.0	0.10	3.000	0	99.0	80	120						
Surr: 4-Bromofluorobenzene	0.87		1.000		86.7	70	130						

Sample ID: mb-68205	Sampl	ype: ME	BLK	les	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batcl	n ID: 68 2	205	F	RunNo: 8	8882				
Prep Date: 6/17/2022	Analysis D	Date: 6/	20/2022	8	SeqNo: 3	155971	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	0.85		1.000		84.5	70	130			

Sample ID: Ics-68216	Sampl	Type: LCS TestCode: EPA Method 8021B: Volatiles										
Client ID: LCSS	Batc	h ID: 68 2	216	F	RunNo: 8	8882						
Prep Date: 6/19/2022	Analysis [Analysis Date: 6/20/2022 SeqNo: 3155994 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	99.9	80	120					
Toluene	1.0	0.050	1.000	0	102	80	120					
Ethylbenzene	1.0	0.050	1.000	0	103	80	120					
Xylenes, Total	3.1	0.10	3.000	0	102	80	120					
Surr: 4-Bromofluorobenzene	0.86		1.000		86.2	70	130					

Sample ID: mb-68216	SampT	SampType: MBLK TestCode: EPA Method 8						iles		
Client ID: PBS	Batch	n ID: 68 2	D: 68216 RunNo: 88882							
Prep Date: 6/19/2022	Analysis D	oate: 6/	20/2022	S	SeqNo: 3	155995	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	0.86		1.000		85.7	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
- B Analyte 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 47 of 48

Hall Environmental Analysis Laboratory, Inc.

WO#: **2206858** *01-Jul-22*

Client: GHD Midland

Project: Hornbaker BA Battery

Sample ID: 2206858-014ams	SampT	уре: МS	3	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: BH-35	Batcl	n ID: 682	216	F	RunNo: 8	8882				
Prep Date: 6/19/2022	Analysis D	Date: 6/ 2	20/2022	S	SeqNo: 3	155998	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.024	0.9794	0	97.6	68.8	120			
Toluene	1.0	0.049	0.9794	0	102	73.6	124			
Ethylbenzene	1.0	0.049	0.9794	0	102	72.7	129			
Xylenes, Total	3.0	0.098	2.938	0	102	75.7	126			
Surr: 4-Bromofluorobenzene	0.84		0.9794		85.4	70	130			

Sample ID: 2206858-014amsc	l Samp∃	Гуре: М S	SD	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: BH-35	Batc	h ID: 68 2	216	F	RunNo: 8	8882				
Prep Date: 6/19/2022	Analysis D	Date: 6/	20/2022	\$	SeqNo: 3	155999	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.025	0.9862	0	98.3	68.8	120	1.45	20	
Toluene	1.0	0.049	0.9862	0	102	73.6	124	0.271	20	
Ethylbenzene	1.0	0.049	0.9862	0	102	72.7	129	0.0328	20	
Xylenes, Total	3.0	0.099	2.959	0	101	75.7	126	0.757	20	
Surr: 4-Bromofluorobenzene	0.82		0.9862		83.0	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 48 of 48



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 Numbe	r: 2206858		RcptNo:	1
Received By:	Juan Rojas	6/16/2022 7:20:00 AN	1	Henray &		
Completed By:	Tracy Casarrubias	6/16/2022 8:00:55 AN				
Reviewed By:		16.30				
Chain of Cust	<u>ody</u>					
1. Is Chain of Cu	stody complete?		Yes 🗸	No 🗌	Not Present	
2. How was the s	sample delivered?		Courier			
Log In 3. Was an attempt	ot made to cool the sam	ples?	Yes 🗸	No 🗌	NA 🗆	
·			.00			
4. Were all sample	les received at a temper	ature of >0° C to 6.0°C	Yes 🗸	No 🗌	NA 🗆	
5. Sample(s) in p	roper container(s)?		Yes 🗸	No 🗆		
6. Sufficient samp	ole volume for indicated	test(s)?	Yes 🗸	No 🗌		
7. Are samples (e	xcept VOA and ONG) p	roperly preserved?	Yes 🗸	No 🗆		
8. Was preservati	ve added to bottles?		Yes \square	No 🗹	NA 🗆	
9. Received at lea	ast 1 vial with headspace	e <1/4" for AQ VOA?	Yes	No 🗌	NA 🗹	
10. Were any sam	ple containers received	broken?	Yes	No 🗹	# of preserved	
	k match bottle labels?	у)	Yes 🗸	No 🗌	bottles checked for pH:	>12 unless noted)
12. Are matrices co	orrectly identified on Cha	in of Custody?	Yes 🗸	No 🗌	Adjusted?	
	analyses were requeste	d?	Yes 🗸	No 🗌		06/16/22
	g times able to be met? stomer for authorization.)	Yes 🗸	No 🗌	Checked by:	016122
Special Handlii	ng (if applicable)			/		
15. Was client noti	fied of all discrepancies	with this order?	Yes	No 🗆	NA 🗹	
Person N	Notified:	Date:				
By Whon	m:	Via: [eMail [Phone Fax	☐ In Person	
Regardin	g: structions:					
16. Additional rem	,					
17. Cooler Inform						
Cooler No	Temp °C Condition	Seal Intact Seal No S	Seal Date	Signed By		
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Client: GHD

Chain-of-Custody Record

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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

OrderNo.: 2206960

July 01, 2022

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

FAX:

RE: Hornbaker BA Battery

Dear Becky Haskell:

Hall Environmental Analysis Laboratory received 28 sample(s) on 6/17/2022 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: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-58

 Project:
 Hornbaker BA Battery
 Collection Date: 6/15/2022 8:00:00 AM

 Lab ID:
 2206960-001
 Matrix: SOIL
 Received Date: 6/17/2022 10:37:00 AM

Result **RL Oual Units DF** Date Analyzed **Batch Analyses EPA METHOD 300.0: ANIONS** Analyst: NAI Chloride 1900 60 mg/Kg 20 6/22/2022 9:40:58 PM 68297 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: JME Diesel Range Organics (DRO) ND 15 mg/Kg 6/21/2022 5:34:45 PM 68231 Motor Oil Range Organics (MRO) ND 50 mg/Kg 1 6/21/2022 5:34:45 PM 68231 Surr: DNOP 107 51.1-141 %Rec 6/21/2022 5:34:45 PM 68231 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 6/21/2022 3:29:19 AM 68217 5.0 mg/Kg Surr: BFB 96.2 37.7-212 %Rec 6/21/2022 3:29:19 AM 68217 **EPA METHOD 8021B: VOLATILES** Analyst: NSB ND 6/21/2022 3:29:19 AM 68217 Benzene 0.025 mg/Kg Toluene ND 0.050 mg/Kg 6/21/2022 3:29:19 AM 68217 Ethylbenzene ND 0.050 mg/Kg 1 6/21/2022 3:29:19 AM 68217 Xylenes, Total ND 0.099 mg/Kg 6/21/2022 3:29:19 AM 68217 Surr: 4-Bromofluorobenzene 70-130 68217 91.7 %Rec 6/21/2022 3:29:19 AM

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte 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 38

Date Reported: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-59

 Project:
 Hornbaker BA Battery
 Collection Date: 6/15/2022 8:05:00 AM

 Lab ID:
 2206960-002
 Matrix: SOIL
 Received Date: 6/17/2022 10:37:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: NAI
Chloride	1600	60	mg/Kg	20	6/22/2022 10:18:00 PM	68302
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: JME
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	6/21/2022 5:49:19 PM	68231
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	6/21/2022 5:49:19 PM	68231
Surr: DNOP	101	51.1-141	%Rec	1	6/21/2022 5:49:19 PM	68231
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	6/21/2022 3:52:59 AM	68217
Surr: BFB	90.7	37.7-212	%Rec	1	6/21/2022 3:52:59 AM	68217
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	6/21/2022 3:52:59 AM	68217
Toluene	ND	0.050	mg/Kg	1	6/21/2022 3:52:59 AM	68217
Ethylbenzene	ND	0.050	mg/Kg	1	6/21/2022 3:52:59 AM	68217
Xylenes, Total	ND	0.099	mg/Kg	1	6/21/2022 3:52:59 AM	68217
Surr: 4-Bromofluorobenzene	90.3	70-130	%Rec	1	6/21/2022 3:52:59 AM	68217

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-60

 Project:
 Hornbaker BA Battery
 Collection Date: 6/15/2022 8:10:00 AM

 Lab ID:
 2206960-003
 Matrix: SOIL
 Received Date: 6/17/2022 10:37:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: NAI
Chloride	2000	60	mg/Kg	20	6/22/2022 10:55:01 PM	68302
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: JME
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	6/21/2022 6:04:08 PM	68231
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	6/21/2022 6:04:08 PM	68231
Surr: DNOP	88.2	51.1-141	%Rec	1	6/21/2022 6:04:08 PM	68231
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	6/21/2022 4:16:39 AM	68217
Surr: BFB	94.5	37.7-212	%Rec	1	6/21/2022 4:16:39 AM	68217
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	6/21/2022 4:16:39 AM	68217
Toluene	ND	0.050	mg/Kg	1	6/21/2022 4:16:39 AM	68217
Ethylbenzene	ND	0.050	mg/Kg	1	6/21/2022 4:16:39 AM	68217
Xylenes, Total	ND	0.10	mg/Kg	1	6/21/2022 4:16:39 AM	68217
Surr: 4-Bromofluorobenzene	91.8	70-130	%Rec	1	6/21/2022 4:16:39 AM	68217

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-61

 Project:
 Hornbaker BA Battery
 Collection Date: 6/15/2022 8:15:00 AM

 Lab ID:
 2206960-004
 Matrix: SOIL
 Received Date: 6/17/2022 10:37:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: NAI
Chloride	4300	150	mg/Kg	50	6/23/2022 12:16:52 PM	68302
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	JME
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	6/21/2022 6:19:02 PM	68231
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	6/21/2022 6:19:02 PM	68231
Surr: DNOP	91.1	51.1-141	%Rec	1	6/21/2022 6:19:02 PM	68231
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	6/21/2022 4:40:09 AM	68217
Surr: BFB	92.4	37.7-212	%Rec	1	6/21/2022 4:40:09 AM	68217
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	6/21/2022 4:40:09 AM	68217
Toluene	ND	0.050	mg/Kg	1	6/21/2022 4:40:09 AM	68217
Ethylbenzene	ND	0.050	mg/Kg	1	6/21/2022 4:40:09 AM	68217
Xylenes, Total	ND	0.10	mg/Kg	1	6/21/2022 4:40:09 AM	68217
Surr: 4-Bromofluorobenzene	90.7	70-130	%Rec	1	6/21/2022 4:40:09 AM	68217

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-62

 Project:
 Hornbaker BA Battery
 Collection Date: 6/15/2022 8:20:00 AM

 Lab ID:
 2206960-005
 Matrix: SOIL
 Received Date: 6/17/2022 10:37:00 AM

Result **RL Oual Units DF** Date Analyzed **Batch Analyses EPA METHOD 300.0: ANIONS** Analyst: NAI Chloride 130 60 mg/Kg 20 6/22/2022 11:19:43 PM 68302 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: JME Diesel Range Organics (DRO) ND 15 mg/Kg 6/21/2022 6:33:57 PM 68231 Motor Oil Range Organics (MRO) ND 49 mg/Kg 1 6/21/2022 6:33:57 PM 68231 Surr: DNOP 78.2 51.1-141 %Rec 6/21/2022 6:33:57 PM 68231 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB 6/21/2022 5:55:41 PM Gasoline Range Organics (GRO) ND 68217 5.0 mg/Kg Surr: BFB 106 %Rec 6/21/2022 5:55:41 PM 68217 37.7-212 **EPA METHOD 8021B: VOLATILES** Analyst: NSB ND 6/21/2022 5:55:41 PM 68217 Benzene 0.025 mg/Kg Toluene ND 0.050 mg/Kg 6/21/2022 5:55:41 PM 68217 Ethylbenzene ND 0.050 mg/Kg 1 6/21/2022 5:55:41 PM 68217 Xylenes, Total ND 0.099 mg/Kg 6/21/2022 5:55:41 PM 68217 Surr: 4-Bromofluorobenzene 92.5 70-130 68217 %Rec 6/21/2022 5:55:41 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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Date Reported: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-63

 Project:
 Hornbaker BA Battery
 Collection Date: 6/15/2022 8:25:00 AM

 Lab ID:
 2206960-006
 Matrix: SOIL
 Received Date: 6/17/2022 10:37:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: NAI
Chloride	2700	150	mg/Kg	50	6/23/2022 12:29:17 PM	68302
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: ED
Diesel Range Organics (DRO)	110	14	mg/Kg	1	6/23/2022 12:02:58 PM	68231
Motor Oil Range Organics (MRO)	160	47	mg/Kg	1	6/23/2022 12:02:58 PM	68231
Surr: DNOP	79.0	51.1-141	%Rec	1	6/23/2022 12:02:58 PM	68231
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/22/2022 2:31:16 AM	68217
Surr: BFB	89.8	37.7-212	%Rec	1	6/22/2022 2:31:16 AM	68217
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.024	mg/Kg	1	6/22/2022 2:31:16 AM	68217
Toluene	ND	0.049	mg/Kg	1	6/22/2022 2:31:16 AM	68217
Ethylbenzene	ND	0.049	mg/Kg	1	6/22/2022 2:31:16 AM	68217
Xylenes, Total	ND	0.097	mg/Kg	1	6/22/2022 2:31:16 AM	68217
Surr: 4-Bromofluorobenzene	89.0	70-130	%Rec	1	6/22/2022 2:31:16 AM	68217

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-64

 Project:
 Hornbaker BA Battery
 Collection Date: 6/15/2022 8:30:00 AM

 Lab ID:
 2206960-007
 Matrix: SOIL
 Received Date: 6/17/2022 10:37:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: NAI
Chloride	2500	150	mg/Kg	50	6/23/2022 12:41:42 PM	68302
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	: ED
Diesel Range Organics (DRO)	45	14	mg/Kg	1	6/21/2022 3:44:10 PM	68232
Motor Oil Range Organics (MRO)	82	48	mg/Kg	1	6/21/2022 3:44:10 PM	68232
Surr: DNOP	62.5	51.1-141	%Rec	1	6/21/2022 3:44:10 PM	68232
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	6/21/2022 9:35:00 AM	68221
Surr: BFB	85.2	37.7-212	%Rec	1	6/21/2022 9:35:00 AM	68221
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.024	mg/Kg	1	6/21/2022 9:35:00 AM	68221
Toluene	ND	0.048	mg/Kg	1	6/21/2022 9:35:00 AM	68221
Ethylbenzene	ND	0.048	mg/Kg	1	6/21/2022 9:35:00 AM	68221
Xylenes, Total	ND	0.096	mg/Kg	1	6/21/2022 9:35:00 AM	68221
Surr: 4-Bromofluorobenzene	84.3	70-130	%Rec	1	6/21/2022 9:35:00 AM	68221

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-65

 Project:
 Hornbaker BA Battery
 Collection Date: 6/15/2022 8:35:00 AM

 Lab ID:
 2206960-008
 Matrix: SOIL
 Received Date: 6/17/2022 10:37:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	NAI
Chloride	2800	150	mg/Kg	50	6/23/2022 12:54:06 PM	68302
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	ED
Diesel Range Organics (DRO)	98	15	mg/Kg	1	6/22/2022 6:36:36 AM	68232
Motor Oil Range Organics (MRO)	110	50	mg/Kg	1	6/22/2022 6:36:36 AM	68232
Surr: DNOP	87.4	51.1-141	%Rec	1	6/22/2022 6:36:36 AM	68232
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	6/21/2022 10:34:00 AM	68221
Surr: BFB	84.0	37.7-212	%Rec	1	6/21/2022 10:34:00 AM	68221
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.023	mg/Kg	1	6/21/2022 10:34:00 AM	68221
Toluene	ND	0.047	mg/Kg	1	6/21/2022 10:34:00 AM	68221
Ethylbenzene	ND	0.047	mg/Kg	1	6/21/2022 10:34:00 AM	68221
Xylenes, Total	ND	0.094	mg/Kg	1	6/21/2022 10:34:00 AM	68221
Surr: 4-Bromofluorobenzene	82.8	70-130	%Rec	1	6/21/2022 10:34:00 AM	68221

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-66

 Project:
 Hornbaker BA Battery
 Collection Date: 6/15/2022 8:40:00 AM

 Lab ID:
 2206960-009
 Matrix: SOIL
 Received Date: 6/17/2022 10:37:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: NAI
Chloride	1800	60	mg/Kg	20	6/23/2022 12:09:06 AM	68302
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: ED
Diesel Range Organics (DRO)	54	15	mg/Kg	1	6/22/2022 6:57:56 AM	68232
Motor Oil Range Organics (MRO)	78	49	mg/Kg	1	6/22/2022 6:57:56 AM	68232
Surr: DNOP	77.2	51.1-141	%Rec	1	6/22/2022 6:57:56 AM	68232
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	6/21/2022 11:33:00 AM	68221
Surr: BFB	85.2	37.7-212	%Rec	1	6/21/2022 11:33:00 AM	68221
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.023	mg/Kg	1	6/21/2022 11:33:00 AM	68221
Toluene	ND	0.047	mg/Kg	1	6/21/2022 11:33:00 AM	68221
Ethylbenzene	ND	0.047	mg/Kg	1	6/21/2022 11:33:00 AM	68221
Xylenes, Total	ND	0.093	mg/Kg	1	6/21/2022 11:33:00 AM	68221
Surr: 4-Bromofluorobenzene	83.2	70-130	%Rec	1	6/21/2022 11:33:00 AM	68221

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-67

 Project:
 Hornbaker BA Battery
 Collection Date: 6/15/2022 8:45:00 AM

 Lab ID:
 2206960-010
 Matrix: SOIL
 Received Date: 6/17/2022 10:37:00 AM

Result **RL Oual Units DF** Date Analyzed **Batch Analyses EPA METHOD 300.0: ANIONS** Analyst: NAI Chloride 3200 150 mg/Kg 50 6/23/2022 1:06:31 PM 68302 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: ED Diesel Range Organics (DRO) 140 15 mg/Kg 6/22/2022 7:19:18 AM 68232 Motor Oil Range Organics (MRO) 170 50 mg/Kg 1 6/22/2022 7:19:18 AM 68232 Surr: DNOP 64.2 51.1-141 %Rec 6/22/2022 7:19:18 AM 68232 Analyst: BRM **EPA METHOD 8015D: GASOLINE RANGE** 6/21/2022 11:52:00 AM 68221 Gasoline Range Organics (GRO) ND 4.7 mg/Kg Surr: BFB 83.5 %Rec 6/21/2022 11:52:00 AM 68221 37.7-212 **EPA METHOD 8021B: VOLATILES** Analyst: BRM ND 0.024 6/21/2022 11:52:00 AM 68221 Benzene mg/Kg Toluene ND 0.047 mg/Kg 6/21/2022 11:52:00 AM 68221 Ethylbenzene ND 0.047 mg/Kg 1 6/21/2022 11:52:00 AM 68221 Xylenes, Total ND 0.094 mg/Kg 6/21/2022 11:52:00 AM 68221 Surr: 4-Bromofluorobenzene 82.2 70-130 6/21/2022 11:52:00 AM 68221 %Rec

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

Qualifiers:

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

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Date Reported: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-68

 Project:
 Hornbaker BA Battery
 Collection Date: 6/15/2022 9:00:00 AM

 Lab ID:
 2206960-011
 Matrix: SOIL
 Received Date: 6/17/2022 10:37:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: NAI
Chloride	2000	60	mg/Kg	20	6/23/2022 12:33:49 AM	68302
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: ED
Diesel Range Organics (DRO)	48	14	mg/Kg	1	6/22/2022 7:40:38 AM	68232
Motor Oil Range Organics (MRO)	93	46	mg/Kg	1	6/22/2022 7:40:38 AM	68232
Surr: DNOP	64.2	51.1-141	%Rec	1	6/22/2022 7:40:38 AM	68232
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	6/21/2022 12:12:00 PM	68221
Surr: BFB	85.4	37.7-212	%Rec	1	6/21/2022 12:12:00 PM	68221
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.023	mg/Kg	1	6/21/2022 12:12:00 PM	68221
Toluene	ND	0.046	mg/Kg	1	6/21/2022 12:12:00 PM	68221
Ethylbenzene	ND	0.046	mg/Kg	1	6/21/2022 12:12:00 PM	68221
Xylenes, Total	ND	0.092	mg/Kg	1	6/21/2022 12:12:00 PM	68221
Surr: 4-Bromofluorobenzene	82.6	70-130	%Rec	1	6/21/2022 12:12:00 PM	68221

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-69

 Project:
 Hornbaker BA Battery
 Collection Date: 6/15/2022 9:05:00 AM

 Lab ID:
 2206960-012
 Matrix: SOIL
 Received Date: 6/17/2022 10:37:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: NAI
Chloride	2300	60	mg/Kg	20	6/23/2022 12:46:10 AM	68302
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: ED
Diesel Range Organics (DRO)	69	15	mg/Kg	1	6/22/2022 8:02:01 AM	68232
Motor Oil Range Organics (MRO)	120	49	mg/Kg	1	6/22/2022 8:02:01 AM	68232
Surr: DNOP	67.6	51.1-141	%Rec	1	6/22/2022 8:02:01 AM	68232
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	6/21/2022 12:31:00 PM	68221
Surr: BFB	86.6	37.7-212	%Rec	1	6/21/2022 12:31:00 PM	68221
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.023	mg/Kg	1	6/21/2022 12:31:00 PM	68221
Toluene	ND	0.047	mg/Kg	1	6/21/2022 12:31:00 PM	68221
Ethylbenzene	ND	0.047	mg/Kg	1	6/21/2022 12:31:00 PM	68221
Xylenes, Total	ND	0.093	mg/Kg	1	6/21/2022 12:31:00 PM	68221
Surr: 4-Bromofluorobenzene	84.0	70-130	%Rec	1	6/21/2022 12:31:00 PM	68221

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-70

 Project:
 Hornbaker BA Battery
 Collection Date: 6/15/2022 9:10:00 AM

 Lab ID:
 2206960-013
 Matrix: SOIL
 Received Date: 6/17/2022 10:37:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: NAI
Chloride	2400	150	mg/Kg	50	6/23/2022 1:18:56 PM	68302
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: ED
Diesel Range Organics (DRO)	66	15	mg/Kg	1	6/22/2022 8:23:24 AM	68232
Motor Oil Range Organics (MRO)	100	50	mg/Kg	1	6/22/2022 8:23:24 AM	68232
Surr: DNOP	69.9	51.1-141	%Rec	1	6/22/2022 8:23:24 AM	68232
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	6/21/2022 12:51:00 PM	68221
Surr: BFB	86.3	37.7-212	%Rec	1	6/21/2022 12:51:00 PM	68221
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.023	mg/Kg	1	6/21/2022 12:51:00 PM	68221
Toluene	ND	0.047	mg/Kg	1	6/21/2022 12:51:00 PM	68221
Ethylbenzene	ND	0.047	mg/Kg	1	6/21/2022 12:51:00 PM	68221
Xylenes, Total	ND	0.094	mg/Kg	1	6/21/2022 12:51:00 PM	68221
Surr: 4-Bromofluorobenzene	84.8	70-130	%Rec	1	6/21/2022 12:51:00 PM	68221

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-71

 Project:
 Hornbaker BA Battery
 Collection Date: 6/15/2022 9:15:00 AM

 Lab ID:
 2206960-014
 Matrix: SOIL
 Received Date: 6/17/2022 10:37:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: NAI
Chloride	2700	150	mg/Kg	50	6/23/2022 1:31:20 PM	68302
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: ED
Diesel Range Organics (DRO)	69	15	mg/Kg	1	6/22/2022 8:44:59 AM	68232
Motor Oil Range Organics (MRO)	110	49	mg/Kg	1	6/22/2022 8:44:59 AM	68232
Surr: DNOP	70.3	51.1-141	%Rec	1	6/22/2022 8:44:59 AM	68232
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	6/21/2022 1:11:00 PM	68221
Surr: BFB	87.7	37.7-212	%Rec	1	6/21/2022 1:11:00 PM	68221
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.024	mg/Kg	1	6/21/2022 1:11:00 PM	68221
Toluene	ND	0.048	mg/Kg	1	6/21/2022 1:11:00 PM	68221
Ethylbenzene	ND	0.048	mg/Kg	1	6/21/2022 1:11:00 PM	68221
Xylenes, Total	ND	0.097	mg/Kg	1	6/21/2022 1:11:00 PM	68221
Surr: 4-Bromofluorobenzene	85.6	70-130	%Rec	1	6/21/2022 1:11:00 PM	68221

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-72

 Project:
 Hornbaker BA Battery
 Collection Date: 6/15/2022 9:20:00 AM

 Lab ID:
 2206960-015
 Matrix: SOIL
 Received Date: 6/17/2022 10:37:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: NAI
Chloride	2700	150	mg/Kg	50	6/24/2022 2:31:35 PM	68302
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: ED
Diesel Range Organics (DRO)	62	15	mg/Kg	1	6/22/2022 9:06:35 AM	68232
Motor Oil Range Organics (MRO)	100	49	mg/Kg	1	6/22/2022 9:06:35 AM	68232
Surr: DNOP	75.4	51.1-141	%Rec	1	6/22/2022 9:06:35 AM	68232
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	6/21/2022 1:31:00 PM	68221
Surr: BFB	88.9	37.7-212	%Rec	1	6/21/2022 1:31:00 PM	68221
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.025	mg/Kg	1	6/21/2022 1:31:00 PM	68221
Toluene	ND	0.050	mg/Kg	1	6/21/2022 1:31:00 PM	68221
Ethylbenzene	ND	0.050	mg/Kg	1	6/21/2022 1:31:00 PM	68221
Xylenes, Total	ND	0.10	mg/Kg	1	6/21/2022 1:31:00 PM	68221
Surr: 4-Bromofluorobenzene	86.6	70-130	%Rec	1	6/21/2022 1:31:00 PM	68221

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-73

 Project:
 Hornbaker BA Battery
 Collection Date: 6/15/2022 9:25:00 AM

 Lab ID:
 2206960-016
 Matrix: SOIL
 Received Date: 6/17/2022 10:37:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: NAI
Chloride	2600	150	mg/Kg	50	6/23/2022 2:20:59 PM	68302
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: ED
Diesel Range Organics (DRO)	69	14	mg/Kg	1	6/22/2022 9:28:11 AM	68232
Motor Oil Range Organics (MRO)	110	48	mg/Kg	1	6/22/2022 9:28:11 AM	68232
Surr: DNOP	66.4	51.1-141	%Rec	1	6/22/2022 9:28:11 AM	68232
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	6/21/2022 1:50:00 PM	68221
Surr: BFB	86.5	37.7-212	%Rec	1	6/21/2022 1:50:00 PM	68221
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.025	mg/Kg	1	6/21/2022 1:50:00 PM	68221
Toluene	ND	0.050	mg/Kg	1	6/21/2022 1:50:00 PM	68221
Ethylbenzene	ND	0.050	mg/Kg	1	6/21/2022 1:50:00 PM	68221
Xylenes, Total	ND	0.099	mg/Kg	1	6/21/2022 1:50:00 PM	68221
Surr: 4-Bromofluorobenzene	83.0	70-130	%Rec	1	6/21/2022 1:50:00 PM	68221

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-26

 Project:
 Hornbaker BA Battery
 Collection Date: 6/15/2022 10:00:00 AM

 Lab ID:
 2206960-017
 Matrix: SOIL
 Received Date: 6/17/2022 10:37:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: NAI
Chloride	99	60	mg/Kg	20	6/23/2022 3:02:00 AM	68302
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: ED
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	6/23/2022 12:15:51 PM	68232
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	6/23/2022 12:15:51 PM	68232
Surr: DNOP	52.5	51.1-141	%Rec	1	6/23/2022 12:15:51 PM	68232
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/21/2022 2:30:00 PM	68221
Surr: BFB	85.0	37.7-212	%Rec	1	6/21/2022 2:30:00 PM	68221
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.024	mg/Kg	1	6/21/2022 2:30:00 PM	68221
Toluene	ND	0.049	mg/Kg	1	6/21/2022 2:30:00 PM	68221
Ethylbenzene	ND	0.049	mg/Kg	1	6/21/2022 2:30:00 PM	68221
Xylenes, Total	0.10	0.097	mg/Kg	1	6/21/2022 2:30:00 PM	68221
Surr: 4-Bromofluorobenzene	84.1	70-130	%Rec	1	6/21/2022 2:30:00 PM	68221

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-27

 Project:
 Hornbaker BA Battery
 Collection Date: 6/15/2022 10:05:00 AM

 Lab ID:
 2206960-018
 Matrix: SOIL
 Received Date: 6/17/2022 10:37:00 AM

Result **RL Oual Units DF** Date Analyzed **Batch Analyses EPA METHOD 300.0: ANIONS** Analyst: NAI Chloride ND 60 mg/Kg 20 6/23/2022 3:14:21 AM 68302 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: ED Diesel Range Organics (DRO) ND 15 mg/Kg 6/22/2022 5:00:23 AM 68232 Motor Oil Range Organics (MRO) ND 48 mg/Kg 1 6/22/2022 5:00:23 AM 68232 Surr: DNOP 53.8 51.1-141 %Rec 6/22/2022 5:00:23 AM 68232 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: BRM 6/21/2022 2:49:00 PM Gasoline Range Organics (GRO) ND 68221 4.8 mg/Kg Surr: BFB 87.4 37.7-212 %Rec 6/21/2022 2:49:00 PM 68221 **EPA METHOD 8021B: VOLATILES** Analyst: BRM ND 0.024 6/21/2022 2:49:00 PM 68221 Benzene mg/Kg Toluene ND 0.048 mg/Kg 6/21/2022 2:49:00 PM 68221 Ethylbenzene ND 0.048 mg/Kg 1 6/21/2022 2:49:00 PM 68221 Xylenes, Total ND 0.097 mg/Kg 6/21/2022 2:49:00 PM 68221 Surr: 4-Bromofluorobenzene 70-130 6/21/2022 2:49:00 PM 68221 83.7 %Rec

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

Qualifiers:

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

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Analytical Report

Lab Order **2206960**

Date Reported: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-28

Project: Hornbaker BA Battery **Collection Date:** 6/15/2022 10:10:00 AM

Lab ID: 2206960-019 **Matrix:** SOIL **Received Date:** 6/17/2022 10:37:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: NAI
Chloride	120	60	mg/Kg	20	6/23/2022 3:51:23 AM	68302
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: ED
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	6/22/2022 5:11:08 AM	68232
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	6/22/2022 5:11:08 AM	68232
Surr: DNOP	75.0	51.1-141	%Rec	1	6/22/2022 5:11:08 AM	68232
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/21/2022 3:09:00 PM	68221
Surr: BFB	84.3	37.7-212	%Rec	1	6/21/2022 3:09:00 PM	68221
EPA METHOD 8021B: VOLATILES					Analyst	: BRM
Benzene	ND	0.024	mg/Kg	1	6/21/2022 3:09:00 PM	68221
Toluene	ND	0.049	mg/Kg	1	6/21/2022 3:09:00 PM	68221
Ethylbenzene	ND	0.049	mg/Kg	1	6/21/2022 3:09:00 PM	68221
Xylenes, Total	ND	0.098	mg/Kg	1	6/21/2022 3:09:00 PM	68221
Surr: 4-Bromofluorobenzene	85.0	70-130	%Rec	1	6/21/2022 3:09:00 PM	68221

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-29

 Project:
 Hornbaker BA Battery
 Collection Date: 6/15/2022 10:15:00 AM

 Lab ID:
 2206960-020
 Matrix: SOIL
 Received Date: 6/17/2022 10:37:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: NAI
Chloride	64	61	mg/Kg	20	6/23/2022 4:03:44 AM	68302
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: ED
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	6/22/2022 4:53:22 PM	68232
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	6/22/2022 4:53:22 PM	68232
Surr: DNOP	71.2	51.1-141	%Rec	1	6/22/2022 4:53:22 PM	68232
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	6/21/2022 3:29:00 PM	68221
Surr: BFB	90.2	37.7-212	%Rec	1	6/21/2022 3:29:00 PM	68221
EPA METHOD 8021B: VOLATILES					Analyst	: BRM
Benzene	ND	0.024	mg/Kg	1	6/21/2022 3:29:00 PM	68221
Toluene	ND	0.047	mg/Kg	1	6/21/2022 3:29:00 PM	68221
Ethylbenzene	ND	0.047	mg/Kg	1	6/21/2022 3:29:00 PM	68221
Xylenes, Total	ND	0.095	mg/Kg	1	6/21/2022 3:29:00 PM	68221
Surr: 4-Bromofluorobenzene	86.3	70-130	%Rec	1	6/21/2022 3:29:00 PM	68221

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-30

 Project:
 Hornbaker BA Battery
 Collection Date: 6/15/2022 10:20:00 AM

 Lab ID:
 2206960-021
 Matrix: SOIL
 Received Date: 6/17/2022 10:37:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: NAI
Chloride	ND	60	mg/Kg	20	6/23/2022 4:16:05 AM	68302
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: ED
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	6/22/2022 5:17:13 PM	68232
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	6/22/2022 5:17:13 PM	68232
Surr: DNOP	71.8	51.1-141	%Rec	1	6/22/2022 5:17:13 PM	68232
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	6/21/2022 3:48:00 PM	68221
Surr: BFB	88.0	37.7-212	%Rec	1	6/21/2022 3:48:00 PM	68221
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.023	mg/Kg	1	6/21/2022 3:48:00 PM	68221
Toluene	ND	0.047	mg/Kg	1	6/21/2022 3:48:00 PM	68221
Ethylbenzene	ND	0.047	mg/Kg	1	6/21/2022 3:48:00 PM	68221
Xylenes, Total	ND	0.093	mg/Kg	1	6/21/2022 3:48:00 PM	68221
Surr: 4-Bromofluorobenzene	86.5	70-130	%Rec	1	6/21/2022 3:48:00 PM	68221

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-31

 Project:
 Hornbaker BA Battery
 Collection Date: 6/15/2022 10:25:00 AM

 Lab ID:
 2206960-022
 Matrix: SOIL
 Received Date: 6/17/2022 10:37:00 AM

Result **RL Oual Units DF** Date Analyzed **Batch Analyses** Analyst: CAS **EPA METHOD 300.0: ANIONS** Chloride ND 60 mg/Kg 20 6/23/2022 2:23:21 PM 68311 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: ED Diesel Range Organics (DRO) ND 14 mg/Kg 6/22/2022 5:41:14 PM 68232 Motor Oil Range Organics (MRO) ND 47 mg/Kg 1 6/22/2022 5:41:14 PM 68232 Surr: DNOP 68.8 51.1-141 %Rec 6/22/2022 5:41:14 PM 68232 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: BRM 6/21/2022 4:08:00 PM Gasoline Range Organics (GRO) ND 68221 4.8 mg/Kg Surr: BFB 88.2 37.7-212 %Rec 6/21/2022 4:08:00 PM 68221 **EPA METHOD 8021B: VOLATILES** Analyst: BRM ND 0.024 6/21/2022 4:08:00 PM 68221 Benzene mg/Kg Toluene ND 0.048 mg/Kg 6/21/2022 4:08:00 PM 68221 Ethylbenzene ND 0.048 mg/Kg 1 6/21/2022 4:08:00 PM 68221 Xylenes, Total ND 0.097 mg/Kg 6/21/2022 4:08:00 PM 68221 Surr: 4-Bromofluorobenzene 70-130 6/21/2022 4:08:00 PM 68221 88.1 %Rec

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

Qualifiers:

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

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Date Reported: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-32

 Project:
 Hornbaker BA Battery
 Collection Date: 6/15/2022 10:40:00 AM

 Lab ID:
 2206960-023
 Matrix: SOIL
 Received Date: 6/17/2022 10:37:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	ND	60	mg/Kg	20	6/23/2022 2:35:41 PM	68311
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: ED
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	6/22/2022 6:05:25 PM	68232
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	6/22/2022 6:05:25 PM	68232
Surr: DNOP	71.6	51.1-141	%Rec	1	6/22/2022 6:05:25 PM	68232
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/21/2022 4:28:00 PM	68221
Surr: BFB	92.5	37.7-212	%Rec	1	6/21/2022 4:28:00 PM	68221
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.025	mg/Kg	1	6/21/2022 4:28:00 PM	68221
Toluene	ND	0.049	mg/Kg	1	6/21/2022 4:28:00 PM	68221
Ethylbenzene	ND	0.049	mg/Kg	1	6/21/2022 4:28:00 PM	68221
Xylenes, Total	ND	0.099	mg/Kg	1	6/21/2022 4:28:00 PM	68221
Surr: 4-Bromofluorobenzene	88.2	70-130	%Rec	1	6/21/2022 4:28:00 PM	68221

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 **2206960**Date Reported: **7/1/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-33

 Project:
 Hornbaker BA Battery
 Collection Date: 6/15/2022 10:45:00 AM

 Lab ID:
 2206960-024
 Matrix: SOIL
 Received Date: 6/17/2022 10:37:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	190	60	mg/Kg	20	6/23/2022 2:48:01 PM	68311
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: ED
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	6/22/2022 6:29:46 PM	68232
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	6/22/2022 6:29:46 PM	68232
Surr: DNOP	66.0	51.1-141	%Rec	1	6/22/2022 6:29:46 PM	68232
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/21/2022 4:48:00 PM	68221
Surr: BFB	90.7	37.7-212	%Rec	1	6/21/2022 4:48:00 PM	68221
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.024	mg/Kg	1	6/21/2022 4:48:00 PM	68221
Toluene	ND	0.049	mg/Kg	1	6/21/2022 4:48:00 PM	68221
Ethylbenzene	ND	0.049	mg/Kg	1	6/21/2022 4:48:00 PM	68221
Xylenes, Total	ND	0.097	mg/Kg	1	6/21/2022 4:48:00 PM	68221
Surr: 4-Bromofluorobenzene	89.8	70-130	%Rec	1	6/21/2022 4:48:00 PM	68221

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-34

 Project:
 Hornbaker BA Battery
 Collection Date: 6/15/2022 10:50:00 AM

 Lab ID:
 2206960-025
 Matrix: SOIL
 Received Date: 6/17/2022 10:37:00 AM

Result **RL Oual Units DF** Date Analyzed **Batch Analyses** Analyst: CAS **EPA METHOD 300.0: ANIONS** Chloride 290 60 mg/Kg 20 6/23/2022 3:00:22 PM 68311 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: ED Diesel Range Organics (DRO) ND 15 mg/Kg 6/22/2022 6:54:09 PM 68232 Motor Oil Range Organics (MRO) ND 50 mg/Kg 1 6/22/2022 6:54:09 PM 68232 Surr: DNOP 67.1 51.1-141 %Rec 6/22/2022 6:54:09 PM 68232 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: BRM 6/21/2022 5:07:00 PM Gasoline Range Organics (GRO) ND 68221 4.6 mg/Kg Surr: BFB 87.5 37.7-212 %Rec 6/21/2022 5:07:00 PM 68221 **EPA METHOD 8021B: VOLATILES** Analyst: BRM ND 0.023 6/21/2022 5:07:00 PM 68221 Benzene mg/Kg Toluene ND 0.046 mg/Kg 6/21/2022 5:07:00 PM 68221 Ethylbenzene ND 0.046 mg/Kg 1 6/21/2022 5:07:00 PM 68221 Xylenes, Total ND 0.093 mg/Kg 6/21/2022 5:07:00 PM 68221 Surr: 4-Bromofluorobenzene 87.2 70-130 68221 %Rec 6/21/2022 5:07:00 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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Date Reported: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-35

 Project:
 Hornbaker BA Battery
 Collection Date: 6/15/2022 10:55:00 AM

 Lab ID:
 2206960-026
 Matrix: SOIL
 Received Date: 6/17/2022 10:37:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	ND	60	mg/Kg	20	6/23/2022 3:12:42 PM	68311
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: ED
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	6/22/2022 7:18:25 PM	68232
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	6/22/2022 7:18:25 PM	68232
Surr: DNOP	78.7	51.1-141	%Rec	1	6/22/2022 7:18:25 PM	68232
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	6/21/2022 5:27:00 PM	68221
Surr: BFB	89.3	37.7-212	%Rec	1	6/21/2022 5:27:00 PM	68221
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.024	mg/Kg	1	6/21/2022 5:27:00 PM	68221
Toluene	ND	0.048	mg/Kg	1	6/21/2022 5:27:00 PM	68221
Ethylbenzene	ND	0.048	mg/Kg	1	6/21/2022 5:27:00 PM	68221
Xylenes, Total	ND	0.097	mg/Kg	1	6/21/2022 5:27:00 PM	68221
Surr: 4-Bromofluorobenzene	85.5	70-130	%Rec	1	6/21/2022 5:27:00 PM	68221

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-36

 Project:
 Hornbaker BA Battery
 Collection Date: 6/15/2022 11:00:00 AM

 Lab ID:
 2206960-027
 Matrix: SOIL
 Received Date: 6/17/2022 10:37:00 AM

Result **RL Oual Units DF** Date Analyzed **Batch Analyses EPA METHOD 300.0: ANIONS** Analyst: NAI Chloride 200 60 mg/Kg 20 6/23/2022 2:58:12 PM 68312 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: ED Diesel Range Organics (DRO) ND 13 mg/Kg 6/22/2022 10:22:28 AM 68233 Motor Oil Range Organics (MRO) ND 44 mg/Kg 1 6/22/2022 10:22:28 AM 68233 Surr: DNOP 51.8 51.1-141 %Rec 6/22/2022 10:22:28 AM 68233 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: BRM 6/21/2022 7:25:00 PM Gasoline Range Organics (GRO) ND 68222 4.8 mg/Kg Surr: BFB 86.5 37.7-212 %Rec 6/21/2022 7:25:00 PM 68222 **EPA METHOD 8021B: VOLATILES** Analyst: BRM ND 0.024 6/21/2022 7:25:00 PM 68222 Benzene mg/Kg Toluene ND 0.048 mg/Kg 6/21/2022 7:25:00 PM 68222 Ethylbenzene 0.054 0.048 mg/Kg 1 6/21/2022 7:25:00 PM 68222 Xylenes, Total 0.25 0.095 mg/Kg 6/21/2022 7:25:00 PM 68222 Surr: 4-Bromofluorobenzene 70-130 68222 84.6 %Rec 6/21/2022 7:25:00 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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Date Reported: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-37

 Project:
 Hornbaker BA Battery
 Collection Date: 6/15/2022 11:05:00 AM

 Lab ID:
 2206960-028
 Matrix: SOIL
 Received Date: 6/17/2022 10:37:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: NAI
Chloride	120	60	mg/Kg	20	6/23/2022 3:35:27 PM	68312
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: ED
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	6/22/2022 7:15:41 PM	68233
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	6/22/2022 7:15:41 PM	68233
Surr: DNOP	52.2	51.1-141	%Rec	1	6/22/2022 7:15:41 PM	68233
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/21/2022 8:24:00 PM	68222
Surr: BFB	88.8	37.7-212	%Rec	1	6/21/2022 8:24:00 PM	68222
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.025	mg/Kg	1	6/21/2022 8:24:00 PM	68222
Toluene	ND	0.049	mg/Kg	1	6/21/2022 8:24:00 PM	68222
Ethylbenzene	ND	0.049	mg/Kg	1	6/21/2022 8:24:00 PM	68222
Xylenes, Total	ND	0.098	mg/Kg	1	6/21/2022 8:24:00 PM	68222
Surr: 4-Bromofluorobenzene	83.0	70-130	%Rec	1	6/21/2022 8:24:00 PM	68222

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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#: **2206960** *01-Jul-22*

Client:	GHD Midland

Project: Hornbaker BA Battery

Sample ID: MB-68297 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 68297 RunNo: 88965

Prep Date: 6/22/2022 Analysis Date: 6/22/2022 SeqNo: 3159374 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-68297 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 68297 RunNo: 88965

Prep Date: 6/22/2022 Analysis Date: 6/22/2022 SeqNo: 3159375 Units: mg/Kg

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

Chloride 15 1.5 15.00 0 97.6 90 110

Sample ID: MB-68302 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 68302 RunNo: 88965

Prep Date: 6/22/2022 Analysis Date: 6/22/2022 SeqNo: 3159404 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-68302 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 68302 RunNo: 88965

Prep Date: 6/22/2022 Analysis Date: 6/22/2022 SeqNo: 3159405 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 93.3 90 110

Sample ID: MB-68311 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 68311 RunNo: 89002

Prep Date: 6/23/2022 Analysis Date: 6/23/2022 SeqNo: 3160629 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-68311 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 68311 RunNo: 89002

Prep Date: 6/23/2022 Analysis Date: 6/23/2022 SeqNo: 3160632 Units: mg/Kg

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

Chloride 15 1.5 15.00 0 98.1 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 Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated 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#: **2206960** *01-Jul-22*

Client: GHD Midland

Project: Hornbaker BA Battery

Sample ID: MB-68312 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 68312 RunNo: 89005

Prep Date: 6/23/2022 Analysis Date: 6/23/2022 SeqNo: 3160852 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-68312 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 68312 RunNo: 89005

Prep Date: 6/23/2022 Analysis Date: 6/23/2022 SeqNo: 3160853 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 92.3 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#: **2206960**

01-Jul-22

Client: GHD Midland

Project: Hornbaker BA Battery

Sample ID: 2206960-007AMS SampType: MS TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: **BH-64** Batch ID: **68232** RunNo: **88913**

Prep Date: 6/20/2022 Analysis Date: 6/22/2022 SeqNo: 3158519 Units: mg/Kg

SPK value SPK Ref Val %REC %RPD **RPDLimit** Analyte Result PQL LowLimit HighLimit Qual Diesel Range Organics (DRO) 78 15 48.78 45.48 66.6 36.1 154 Surr: DNOP 3.4 4.878 69.9 51.1 141

Sample ID: 2206960-007AMSD SampType: MSD TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: **BH-64** Batch ID: **68232** RunNo: **88913**

Prep Date: 6/20/2022 Analysis Date: 6/22/2022 SeqNo: 3158520 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) 15 49.41 45.48 54.4 36.1 154 7.43 33.9 Surr: DNOP 2.5 4.941 51.6 51.1 141 0 0

Sample ID: LCS-68211 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS Batch ID: 68211 RunNo: 88913

Prep Date: 6/17/2022 Analysis Date: 6/21/2022 SeqNo: 3158544 Units: %Rec

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Surr: DNOP 3.8 5.000 75.8 51.1 141

Sample ID: LCS-68232 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 68232 RunNo: 88913 Prep Date: 6/20/2022 Analysis Date: 6/22/2022 SeqNo: 3158545 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) 53 15 50.00 0 105 64.4 127 Surr: DNOP 5.000 76.9 3.8 51.1 141

Sample ID: MB-68211 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PBS Batch ID: 68211 RunNo: 88913 Prep Date: 6/17/2022 Analysis Date: 6/21/2022 SeqNo: 3158547 Units: %Rec Result SPK value SPK Ref Val %REC %RPD **RPDLimit** Analyte PQL LowLimit HighLimit Qual

Surr: DNOP 9.9 10.00 99.0 51.1 141

Sample ID: MB-68233 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: **PBS** Batch ID: **68233** RunNo: **88913**

Prep Date: 6/20/2022 Analysis Date: 6/22/2022 SeqNo: 3158549 Units: mg/Kg

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

Diesel Range Organics (DRO) ND 15
Motor Oil Range Organics (MRO) ND 50

Qualifiers:

- Value exceeds Maximum Contaminant 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#: 2206960

01-Jul-22

Client: GHD Midland

Project: Hornbaker BA Battery

Sample ID: MB-68233 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics

PBS Client ID: Batch ID: 68233 RunNo: 88913

Prep Date: Analysis Date: 6/22/2022 SeqNo: 3158549 6/20/2022 Units: mg/Kg

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

Surr: DNOP 11 10.00 109 51.1 141

Sample ID: MB-68231 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: PBS Batch ID: 68231 RunNo: 88925

Prep Date: 6/20/2022 Analysis Date: 6/21/2022 SeqNo: 3158629 Units: mg/Kg

SPK value SPK Ref Val %REC LowLimit Analyte Result PQL HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) ND 15

Motor Oil Range Organics (MRO) ND 50

Surr DNOP 9.1 10.00 90.7 51.1 141

Sample ID: LCS-68231 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: LCSS Batch ID: 68231 RunNo: 88925

Prep Date: 6/20/2022 Analysis Date: 6/21/2022 SeqNo: 3158631 Units: mg/Kg

SPK value SPK Ref Val HighLimit %RPD **RPDLimit** Analyte Result POI %REC LowLimit Qual Diesel Range Organics (DRO) 43 15 50.00 86.5 64.4 127 Surr: DNOP 86.2 4.3 5.000 51.1 141

Sample ID: 2206960-027AMS SampType: MS TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: SW-36 Batch ID: 68233 RunNo: 88913

Prep Date: 6/20/2022 Analysis Date: 6/22/2022 SeqNo: 3158857 Units: mg/Kg

SPK value SPK Ref Val %REC %RPD Result PQL LowLimit HighLimit **RPDLimit** Qual Diesel Range Organics (DRO) 57 14 47.76 119 36 1 154

Surr: DNOP 2.6 4.776 54.2 51.1 141

Client ID: SW-36 Batch ID: 68233 RunNo: 88913

SampType: MSD

Prep Date: 6/20/2022 Analysis Date: 6/22/2022 SeqNo: 3158858 Units: mg/Kg

Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) 42 13 0 36.1 44.80 93.8 154 29.7 33.9 Surr: DNOP S 1.5 4.480 34.4 51.1 141 0 0

Sample ID: LCS-68233 TestCode: EPA Method 8015M/D: Diesel Range Organics SampType: LCS

Client ID: LCSS Batch ID: 68233 RunNo: 88913

Prep Date: 6/20/2022 SeqNo: 3158876 Units: mg/Kg Analysis Date: 6/22/2022

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

Sample ID: 2206960-027AMSD

- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference
- Analyte detected in the associated Method Blank

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

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

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Hall Environmental Analysis Laboratory, Inc.

SampType: MBLK

WO#: **2206960** *01-Jul-22*

Client: GHD Midland

Sample ID: MB-68232

Project: Hornbaker BA Battery

Sample ID: LCS-68233	SampT	ype: LC	LCS TestCode: EPA Method 8					d 8015M/D: Diesel Range Organics			
Client ID: LCSS	Batch	ID: 68 2	233	R	RunNo: 8	8913					
Prep Date: 6/20/2022	Date: 6/20/2022 Analysis Date: 6/22/2022				SeqNo: 3	158876	Units: mg/K	(g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	56	15	50.00	0	112	64.4	127				
Surr: DNOP	5.3		5.000		107	51.1	141				

Client ID: PBS	Batch	ID: 68 2	232	F	RunNo: 8	8982				
Prep Date: 6/20/2022	Analysis D	ate: 6/ 2	23/2022	8	SeqNo: 3160123 Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.0		10.00		90.3	51.1	141			

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

Sample ID: MB-68322	MB-68322 SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch	ID: 68	322	2 RunNo: 88982							
Prep Date: 6/23/2022	Analysis Date: 6/24/2022			S	SeqNo: 3162904 U			Units: %Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: DNOP	11		10.00		106	51.1	141				

Sample ID: LCS-68322	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 68322	RunNo: 88982
Prep Date: 6/23/2022	Analysis Date: 6/24/2022	SeqNo: 3162905 Units: %Rec
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: DNOP	5.4 5.000	109 51.1 141

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2206960**

01-Jul-22

Client: GHD Midland

Project: Hornbaker BA Battery

Sample ID: mb-68217 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: **PBS** Batch ID: **68217** RunNo: **88881**

Prep Date: 6/19/2022 Analysis Date: 6/21/2022 SeqNo: 3155809 Units: mg/Kg

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

Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 950 1000 94.8 37.7 212

Sample ID: Ics-68217 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 68217 RunNo: 88881

Prep Date: 6/19/2022 Analysis Date: 6/20/2022 SeqNo: 3155810 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 28 5.0 25.00 O 113 72.3 137 Surr: BFB S 2100 1000 215 37.7 212

Sample ID: Ics-68221 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 68221 RunNo: 88921

Prep Date: 6/20/2022 Analysis Date: 6/21/2022 SeqNo: 3157742 Units: mg/Kg

SPK value SPK Ref Val %REC %RPD **RPDLimit** Analyte Result PQL LowLimit HighLimit Qual Gasoline Range Organics (GRO) 24 5.0 25.00 0 97.9 72.3 137 Surr: BFB 37.7 1900 1000 188 212

Sample ID: mb-68221 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 68221 RunNo: 88921

Prep Date: 6/20/2022 Analysis Date: 6/21/2022 SeqNo: 3157743 Units: mg/Kg

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

Gasoline Range Organics (GRO) ND 5.0

37.7

212

Surr: BFB 850 1000 85.5

Sample ID: 2206960-007ams SampType: MS TestCode: EPA Method 8015D: Gasoline Range

Client ID: **BH-64** Batch ID: **68221** RunNo: **88921**

Prep Date: 6/20/2022 Analysis Date: 6/21/2022 SeqNo: 3157745 Units: mg/Kg

Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 28 4.8 0 116 70 24.08 130 Surr: BFB 2000 963.4 208 37.7 212

Sample ID: 2206960-007amsd SampType: MSD TestCode: EPA Method 8015D: Gasoline Range

Client ID: **BH-64** Batch ID: **68221** RunNo: **88921**

Prep Date: 6/20/2022 Analysis Date: 6/21/2022 SeqNo: 3157746 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#: 2206960

01-Jul-22

Client: GHD Midland

Project: Hornbaker BA Battery

Sample ID: 2206960-007amsd	SampT	ype: MS	SD	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	е	
Client ID: BH-64	Batch	ID: 68 2	221	F	RunNo: 8	8921				
Prep Date: 6/20/2022	Analysis D	ate: 6/ 2	21/2022	S	SeqNo: 3	157746	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	4.8	24.06	0	114	70	130	1.83	20	
Surr: BFB	2000		962.5		206	37.7	212	0	0	
Sample ID: Ics-68222	SampT	ype: LC	s	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	

Client ID: LCSS Batch ID: 68222 RunNo: 88921 Prep Date: 6/20/2022 Analysis Date: 6/21/2022 SeqNo: 3157766 Units: mg/Kg Result HighLimit Analyte PQL SPK value SPK Ref Val %REC LowLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 25 5.0 25.00 O 98.2 72.3 137 Surr: BFB 1900 1000 186 37.7 212

Sample ID: mb-68222 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range Client ID: PBS Batch ID: 68222 RunNo: 88921 Prep Date: 6/20/2022 Analysis Date: 6/21/2022 SeqNo: 3157767 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC LowLimit %RPD **RPDLimit** Analyte HighLimit Qual Gasoline Range Organics (GRO) ND 5.0 Surr: BFB 870 1000 86.6 37.7 212

Sample ID: 2206960-027ams SampType: MS TestCode: EPA Method 8015D: Gasoline Range Client ID: SW-36 Batch ID: 68222 RunNo: 88921 Prep Date: 6/20/2022 Analysis Date: 6/21/2022 SeqNo: 3157769 Units: mg/Kg PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Result LowLimit Qual Gasoline Range Organics (GRO) 25 4.6 0 108 70 130 23.13 Surr: BFB 1900 925.1 203 37.7 212

Sample ID: 2206960-027amsd SampType: MSD TestCode: EPA Method 8015D: Gasoline Range Client ID: SW-36 Batch ID: 68222 RunNo: 88921 Prep Date: 6/20/2022 Analysis Date: 6/21/2022 SeqNo: 3157770 Units: mg/Kg Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 27 0 70 4.6 23.02 116 130 7.29 20 Surr: BFB 37.7 1900 920.8 202 212 0 0

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

0.84

WO#: **2206960** *01-Jul-22*

Client: GHD Midland

Project: Hornbaker BA Battery

Sample ID: mb-68217	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles

Client ID: PBS Batch ID: 68217 RunNo: 88881

Prep Date: 6/19/2022 Analysis Date: 6/21/2022 SeqNo: 3155844 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									

 Toluene
 ND
 0.050

 Ethylbenzene
 ND
 0.050

 Xylenes, Total
 ND
 0.10

 Surr: 4-Bromofluorobenzene
 0.92
 1.000
 91.7
 70
 130

Sample ID: LCS-68217	SampT	ype: LC	S	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batch	n ID: 68 2	217	F	RunNo: 8	8881				
Prep Date: 6/19/2022	Analysis D	oate: 6/ 2	20/2022	S	SeqNo: 3	155845	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	83.5	80	120			
Toluene	0.89	0.050	1.000	0	89.1	80	120			
Ethylbenzene	0.90	0.050	1.000	0	89.9	80	120			
Xylenes, Total	2.7	0.10	3.000	0	90.6	80	120			
Surr: 4-Bromofluorobenzene	0.92		1.000		92.1	70	130			

Sample ID: Ics-68221	SampT	ype: LC	s	TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batcl	n ID: 682	221	F	RunNo: 8	8921				
Prep Date: 6/20/2022	,				SeqNo: 3	157790	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.83	0.025	1.000	0	83.2	80	120			
Toluene	0.86	0.050	1.000	0	85.8	80	120			
Ethylbenzene	0.86	0.050	1.000	0	85.6	80	120			
Xylenes, Total	2.5	0.10	3.000	0	84.9	80	120			

1.000

Sample ID: mb-68221	ele ID: mb-68221 SampType: MBLK				TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batcl	Batch ID: 68221			lunNo: 8	8921					
Prep Date: 6/20/2022	Analysis D	Date: 6/ 3	21/2022	SeqNo: 3157791			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		84.4	70	130				

Qualifiers:

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

Surr: 4-Bromofluorobenzene

- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank

84.5

70

130

- 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#: **2206960**

01-Jul-22

Client: GHD Midland

Project: Hornbaker BA Battery

Sample ID: 2206960-008ams	SampT	ype: MS	3	Tes	tCode: El	iles				
Client ID: BH-65	Batch	n ID: 682	221	R	RunNo: 8	8921				
Prep Date: 6/20/2022	Analysis D	Date: 6/ 2	21/2022	SeqNo: 3157794			Units: mg/K			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.023	0.9372	0	94.8	68.8	120			
Toluene	0.93	0.047	0.9372	0	99.1	73.6	124			
Ethylbenzene	0.93	0.047	0.9372	0	99.7	72.7	129			
Xylenes, Total	2.8	0.094	2.812	0	98.4	75.7	126			
Surr: 4-Bromofluorobenzene	0.79		0.9372		84.7	70	130			

Sample ID: 2206960-008amsd	SampT	ype: MS	SD .	Tes	tCode: El	iles				
Client ID: BH-65	Batch	ID: 682	221	F	RunNo: 8	3921				
Prep Date: 6/20/2022	Analysis D	ate: 6/ 2	21/2022	S	SeqNo: 3	157795	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.024	0.9407	0	95.6	68.8	120	1.21	20	
Toluene	0.94	0.047	0.9407	0	100	73.6	124	1.22	20	
Ethylbenzene	0.95	0.047	0.9407	0	101	72.7	129	2.01	20	
Xylenes, Total	2.8	0.094	2.822	0	100	75.7	126	2.12	20	
Surr: 4-Bromofluorobenzene	0.78		0.9407		82.6	70	130	0	0	

Sample ID: Ics-68222	Samp	Type: LC	s	Tes	tCode: El	tiles				
Client ID: LCSS	Batc	h ID: 68 2	222	F	RunNo: 8	8921				
Prep Date: 6/20/2022	Analysis [Date: 6/	21/2022	S	SeqNo: 3	157814	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	87.7	80	120			
Toluene	0.91	0.050	1.000	0	90.7	80	120			
Ethylbenzene	0.90	0.050	1.000	0	89.8	80	120			
Xylenes, Total	2.7	0.10	3.000	0	89.8	80	120			
Surr: 4-Bromofluorobenzene	0.85		1.000		85.0	70	130			

Sample ID: mb-68222	ample ID: mb-68222 SampType: MBLK					TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch	n ID: 68 2	222	F	RunNo: 8	8921						
Prep Date: 6/20/2022	Analysis D	oate: 6/ 2	21/2022	S	SeqNo: 3	157815	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	0.85		1.000		84.5	70	130					

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- B Analyte detected in the associated 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#: **2206960**

 $01 ext{-}Jul ext{-}22$

Client: GHD Midland

Project: Hornbaker BA Battery

Sample ID: 2206960-028ams	SampT	ype: MS	3	Tes						
Client ID: SW-37	Batch	n ID: 68 2	222	F	RunNo: 8	8921				
Prep Date: 6/20/2022	Analysis D	ate: 6/ 2	21/2022	S	SeqNo: 3	157818	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	0.9862	0	91.2	68.8	120			
Toluene	0.95	0.049	0.9862	0	96.3	73.6	124			
Ethylbenzene	0.96	0.049	0.9862	0.01313	96.2	72.7	129			
Xylenes, Total	2.9	0.099	2.959	0.06063	95.9	75.7	126			
Surr: 4-Bromofluorobenzene	0.85		0.9862		85.9	70	130			

Sample ID: 2206960-028amso	d SampType: MSD Batch ID: 68222 Analysis Date: 6/21/2022			TestCode: EPA Method 8021B: Volatiles						
Client ID: SW-37				RunNo: 88921						
Prep Date: 6/20/2022				SeqNo: 3157819			Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	0.9823	0	91.2	68.8	120	0.459	20	
Toluene	0.95	0.049	0.9823	0	96.4	73.6	124	0.272	20	
Ethylbenzene	0.95	0.049	0.9823	0.01313	95.4	72.7	129	1.22	20	
Xylenes, Total	2.9	0.098	2.947	0.06063	94.8	75.7	126	1.44	20	
Surr: 4-Bromofluorobenzene	0.83		0.9823		84.6	70	130	0	0	

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Hall Environmental Analysis Laboratory 4901 Hawkins NE

Sample Log-In Check List Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Client Name:	GHD	Work Order Num	ber: 2206960		RcptNo:	1
Received By:	Juan Rojas	6/17/2022 10:37:00	O AM	Guara &		
Completed By:	Isaiah Ortiz	6/17/2022 11:48:2		Glandy I)_/	
Reviewed By:	DI 6-17.22		. ,			
Chain of Cus	<u>tody</u>					
1. Is Chain of Cu	ustody complete?		Yes 🗸	No 🗌	Not Present	
2. How was the	sample delivered?		Courier			
Log In						
1 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	pt made to cool the sam	ples?	Yes 🗹	No 🗌	NA 🗌	
4. Were all samp	les received at a tempe	rature of >0° C to 6.0°C	Yes 🗹	No 🗌	NA 🗆	
5. Sample(s) in p	proper container(s)?		Yes 🗹	No 🗌		
6. Sufficient sam	ple volume for indicated	test(s)?	Yes 🗸	No 🗌		
7. Are samples (e	except VOA and ONG) p	roperly preserved?	Yes 🗸	No 🗌		
8. Was preservat	ive added to bottles?		Yes 🗌	No 🗹	NA 🗆	
9. Received at lea	ast 1 vial with headspac	e <1/4" for AQ VOA?	Yes	No 🗌	NA 🗹	
10. Were any sam	ple containers received	broken?	Yes	No 🗹	# of preserved	
	rk match bottle labels? ncies on chain of custoo	(v)	Yes 🗹	No 🗆	bottles checked for pH:	>12 unless noted)
	orrectly identified on Cha		Yes 🗸	No 🗆	Adjusted?	12 411100 110100,
13. Is it clear what	analyses were requeste	d?	Yes 🗸	No 🗌		
	g times able to be met? stomer for authorization		Yes 🗹	No 🗆	Checked by:	1 6/17/22
	ng (if applicable)	,				
	ified of all discrepancies	with this order?	Yes	No 🗌	NA 🗹	
Person I	Notified:	Date:				
By Who	m: [Via:	eMail P	hone Fax	☐ In Person	
Regardir	ng:				e de la company de la comp	
Client In	structions:	The state of the s			The second secon	
16. Additional ren	narks:					
17. Cooler Inform Cooler No	nation Temp °C Condition 4.4 Good	Seal Intact Seal No Not Present	Seal Date	Signed By		

HALL ENVIRONMENTAL ANALYSIS LABORATORY of ANALYSIS LABORATORY (A composition of the compo	S270 (Semi-VOA) Total Coliform (Present/Absent) Chloride Method 300	email: Chase_Settle@@ghd.com; Zach.Com atthew.Laughlin@ghd.c
HALL ANAL ANAL Www.ha www.ha www.ha hall hawkins NE Tel. 505-345-3975	EDB (Method 504.1) EDB (Method 504.1)	13 8 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Turn-Around Time: (B. Standard Rush S. Project Name: Project Name: R.	Project Manager: Becky Haskell Tom Larson Sampler: Zach Comino On Ice: X Yes □ No # of Coolers: ℓ Cooler Temp(metuding cr): ¼. ५-७ ≥ Container Type and # Type	
- SS ±	email or Fax#: Becky.Haskell@ghd.com QA/QC Package: Standard	e suboc

HALL ENVIRONMENTAL ANALYSIS LABORATORY of Manuel Com www.hallenvironmental.com kins NE - Albuquerque, NM 87109 645-3975 Fax 505-345-4107	Request	(1			00	əıc	() u	-ime	V) 082 072 073 073 072 072 072 072 072 072 072 072 072 072	.8 .T												>	arks: Please email: Chase_Settle@eogresources.com; Tom.Larson@ahd.com: Zach Comino@ahd.com		cky	early notated on the analytical report.	54
ANALYS ANALYS www.hallenvi 4901 Hawkins NE - Alb Tel. 505-345-3975	Anal	(0	s's SN	SIW BCE	780 182 (1)) (O) (S) (S) (S) (S) (S) (S) (S) (S) (S) (S	GR des 0 0 0	stici etho 83 Met	TEX / PH:80 081 Pe DB (M AHs b) CRA 8	B E E E E E E E E E	2											\$ T	Remarks: Please email: Chase_ Tom.Larson@ahd.com: Ze	Matthew.Lau	Amber_Grimin@eogreso Haskell	This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report	
Turn-Around Time: Astandard Project Name: Rush Rus	N22.8780	Project Manager:	Becky Haskell	Tom Larson	ij	On Ice: X Yes \square No	f Coolers:	Cooler Temp(including CF): 4.4-0 : 14.4	Container Preservative HEAL No	000		600	003	004	008	900	(S)	800	600	010		0	Received by: Via: Date Time	-	Caw her 6/17/2 mizz	ted to other accredited laboratories. This serves as notice of this	,
Adress: Adress: Adin St. Suite 108, Artesia NM 88210		Becky. Haskell@ghd.com	VQC Package:	☐ Standard ☐ Level 4 (Full Validation) To	on: ☐ Az Compliance	□ Other	(ed.	8	Date Time Matrix Sample Name Tyr	S RM-58	65-1121			1511-6	15H-62	COUS BU-63	CS20 EM-C4	0835 184-65		CS-15 BH-67	9	Obs R1-69	Reinquished by:	Time: Relinquished by:	Wildra Mas Cool Le La Cool	If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories.	

Received by OCD: 9/15/20	7:57:57 PM			7	Page 220 of 354
HALL ENVIRONMENTAL ANALYSIS LABORATOR www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107	NO ₃ , NO ₂ , PO ₄ , SO ₄	PAHs by 8 M CI, F, Br, 8260 (VOA 8270 (Sem Total Colife	R		Remarks: Please email: Chase_Settle@eogresources.com; Tom.Larson@ghd.com; Zach.Comino@ghd.com Matthew.Laughlin@ghd.com; Amber_Griffin@eogresources.com: Along with Becky Haskell listed above. Direct Bill to EOG Chase Settle
4901 H	Ticides/8082 PCB's				marks: F Tom.I
	NTBE / TMB's (8021)	X			Rei
Turn-Around Time: Standard Rush Self Project Name: Project #:	Project Manager: Becky Haskell Tom Larson Sampler: Zach Comino On Ice: X Yes □ No # of Coolers: Cooler Temp(Inaluding CF): H. U.	Preservative 75	020		Time: Relinquished by: Via: Date Time Remarks: Please email: Chase_Settle@eogresources OBCO Continue Remarks: Please email: Chase_Settle@eogresources Tom.Larson@ghd.com; Zach.Comino@ghd.com; Zach.Comino@ghd.com; Matthew.Laughlin@ghd.com; Amber_Griffin@eogresources.com: Along with Bergin Matthew.Laughlin@eogresources.com: Along with Bergin Matthew.Laughling.Amplication of this possibility. Any sub-contracted data will be clearly notated on the analytical report.
Chain-of-Custody Record Client: GHD Mailing Address: 324 W. Main St. Suite 108, Artesia NM 88210 Phone #: (505)377-4218	QA/QC Package: Standard	Matrix Sam	1 1055 5W-35 1400 SW-36		Date: Time: Relinquished by: Date; Time: Relinquished by: WWW. MW. M. M. F.



Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Hall Environmental Analysis Laboratory

4901 Hawkins NE

July 14, 2022

Becky Haskell GHD Midland 2135 S Loop 250 W Midland, TX 79703

TEL: (432) 686-0086

FAX:

RE: Hornbaker BA Battery OrderNo.: 2207007

Dear Becky Haskell:

Hall Environmental Analysis Laboratory received 50 sample(s) on 7/1/2022 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

Date Reported: 7/14/2022

Lab Order 2207007

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH-74

 Project:
 Hornbaker BA Battery
 Collection Date: 6/29/2022 8:00:00 AM

 Lab ID:
 2207007-001
 Matrix: SOIL
 Received Date: 7/1/2022 6:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: CAS
Chloride	480	60	mg/Kg	20	7/7/2022 8:30:59 PM	68614
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/7/2022 5:39:19 PM	68569
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/7/2022 5:39:19 PM	68569
Surr: DNOP	96.9	51.1-141	%Rec	1	7/7/2022 5:39:19 PM	68569
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	7/5/2022 11:27:00 PM	68517
Surr: BFB	87.2	37.7-212	%Rec	1	7/5/2022 11:27:00 PM	68517
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.025	mg/Kg	1	7/5/2022 11:27:00 PM	68517
Toluene	ND	0.050	mg/Kg	1	7/5/2022 11:27:00 PM	68517
Ethylbenzene	ND	0.050	mg/Kg	1	7/5/2022 11:27:00 PM	68517
Xylenes, Total	ND	0.099	mg/Kg	1	7/5/2022 11:27:00 PM	68517
Surr: 4-Bromofluorobenzene	80.9	70-130	%Rec	1	7/5/2022 11:27:00 PM	68517

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2207007

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-75

 Project:
 Hornbaker BA Battery
 Collection Date: 6/29/2022 8:05:00 AM

 Lab ID:
 2207007-002
 Matrix: SOIL
 Received Date: 7/1/2022 6:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: CAS
Chloride	230	60	mg/Kg	20	7/7/2022 8:43:23 PM	68614
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst	t: SB
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/7/2022 5:53:35 PM	68569
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	7/7/2022 5:53:35 PM	68569
Surr: DNOP	97.1	51.1-141	%Rec	1	7/7/2022 5:53:35 PM	68569
EPA METHOD 8015D: GASOLINE RANGE					Analyst	t: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/5/2022 11:46:00 PM	68517
Surr: BFB	87.3	37.7-212	%Rec	1	7/5/2022 11:46:00 PM	68517
EPA METHOD 8021B: VOLATILES					Analyst	t: RAA
Benzene	ND	0.025	mg/Kg	1	7/5/2022 11:46:00 PM	68517
Toluene	ND	0.049	mg/Kg	1	7/5/2022 11:46:00 PM	68517
Ethylbenzene	ND	0.049	mg/Kg	1	7/5/2022 11:46:00 PM	68517
Xylenes, Total	ND	0.098	mg/Kg	1	7/5/2022 11:46:00 PM	68517
Surr: 4-Bromofluorobenzene	82.4	70-130	%Rec	1	7/5/2022 11:46:00 PM	68517

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2207007

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-76

 Project:
 Hornbaker BA Battery
 Collection Date: 6/29/2022 8:10:00 AM

 Lab ID:
 2207007-003
 Matrix: SOIL
 Received Date: 7/1/2022 6:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	: CAS
Chloride	85	60	mg/Kg	20	7/7/2022 8:55:48 PM	68614
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	t: SB
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	7/7/2022 6:08:20 PM	68569
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	7/7/2022 6:08:20 PM	68569
Surr: DNOP	96.9	51.1-141	%Rec	1	7/7/2022 6:08:20 PM	68569
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/6/2022 12:06:00 AM	68517
Surr: BFB	90.3	37.7-212	%Rec	1	7/6/2022 12:06:00 AM	68517
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.024	mg/Kg	1	7/6/2022 12:06:00 AM	68517
Toluene	ND	0.048	mg/Kg	1	7/6/2022 12:06:00 AM	68517
Ethylbenzene	ND	0.048	mg/Kg	1	7/6/2022 12:06:00 AM	68517
Xylenes, Total	ND	0.097	mg/Kg	1	7/6/2022 12:06:00 AM	68517
Surr: 4-Bromofluorobenzene	84.3	70-130	%Rec	1	7/6/2022 12:06:00 AM	68517

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2207007

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-77

 Project:
 Hornbaker BA Battery
 Collection Date: 6/29/2022 8:15:00 AM

 Lab ID:
 2207007-004
 Matrix: SOIL
 Received Date: 7/1/2022 6:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	t: CAS
Chloride	850	60	mg/Kg	20	7/7/2022 9:33:02 PM	68614
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	t: SB
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/7/2022 6:22:30 PM	68569
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/7/2022 6:22:30 PM	68569
Surr: DNOP	97.5	51.1-141	%Rec	1	7/7/2022 6:22:30 PM	68569
EPA METHOD 8015D: GASOLINE RANGE					Analyst	t: RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	7/6/2022 12:26:00 AM	68517
Surr: BFB	85.3	37.7-212	%Rec	1	7/6/2022 12:26:00 AM	68517
EPA METHOD 8021B: VOLATILES					Analyst	t: RAA
Benzene	ND	0.025	mg/Kg	1	7/6/2022 12:26:00 AM	68517
Toluene	ND	0.050	mg/Kg	1	7/6/2022 12:26:00 AM	68517
Ethylbenzene	ND	0.050	mg/Kg	1	7/6/2022 12:26:00 AM	68517
Xylenes, Total	ND	0.10	mg/Kg	1	7/6/2022 12:26:00 AM	68517
Surr: 4-Bromofluorobenzene	81.3	70-130	%Rec	1	7/6/2022 12:26:00 AM	68517

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2207007

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-78

 Project:
 Hornbaker BA Battery
 Collection Date: 6/29/2022 8:20:00 AM

 Lab ID:
 2207007-005
 Matrix: SOIL
 Received Date: 7/1/2022 6:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: CAS
Chloride	740	60	mg/Kg	20	7/7/2022 9:45:27 PM	68614
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analys	t: SB
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	7/7/2022 6:36:38 PM	68569
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	7/7/2022 6:36:38 PM	68569
Surr: DNOP	95.7	51.1-141	%Rec	1	7/7/2022 6:36:38 PM	68569
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	7/6/2022 1:25:00 AM	68517
Surr: BFB	87.6	37.7-212	%Rec	1	7/6/2022 1:25:00 AM	68517
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.025	mg/Kg	1	7/6/2022 1:25:00 AM	68517
Toluene	ND	0.050	mg/Kg	1	7/6/2022 1:25:00 AM	68517
Ethylbenzene	ND	0.050	mg/Kg	1	7/6/2022 1:25:00 AM	68517
Xylenes, Total	ND	0.099	mg/Kg	1	7/6/2022 1:25:00 AM	68517
Surr: 4-Bromofluorobenzene	81.2	70-130	%Rec	1	7/6/2022 1:25:00 AM	68517

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2207007

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-79

 Project:
 Hornbaker BA Battery
 Collection Date: 6/29/2022 8:25:00 AM

 Lab ID:
 2207007-006
 Matrix: SOIL
 Received Date: 7/1/2022 6:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: CAS
Chloride	130	60	mg/Kg	20	7/7/2022 9:57:52 PM	68614
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analys	t: SB
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	7/7/2022 6:50:59 PM	68569
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	7/7/2022 6:50:59 PM	68569
Surr: DNOP	95.2	51.1-141	%Rec	1	7/7/2022 6:50:59 PM	68569
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/6/2022 1:45:00 AM	68517
Surr: BFB	89.0	37.7-212	%Rec	1	7/6/2022 1:45:00 AM	68517
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.024	mg/Kg	1	7/6/2022 1:45:00 AM	68517
Toluene	ND	0.049	mg/Kg	1	7/6/2022 1:45:00 AM	68517
Ethylbenzene	ND	0.049	mg/Kg	1	7/6/2022 1:45:00 AM	68517
Xylenes, Total	ND	0.097	mg/Kg	1	7/6/2022 1:45:00 AM	68517
Surr: 4-Bromofluorobenzene	83.4	70-130	%Rec	1	7/6/2022 1:45:00 AM	68517

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2207007

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-80

 Project:
 Hornbaker BA Battery
 Collection Date: 6/29/2022 8:30:00 AM

 Lab ID:
 2207007-007
 Matrix: SOIL
 Received Date: 7/1/2022 6:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: CAS
Chloride	ND	59	mg/Kg	20	7/7/2022 10:10:17 PM	68614
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	t: SB
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/7/2022 7:05:13 PM	68569
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	7/7/2022 7:05:13 PM	68569
Surr: DNOP	95.8	51.1-141	%Rec	1	7/7/2022 7:05:13 PM	68569
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/6/2022 2:04:00 AM	68517
Surr: BFB	90.4	37.7-212	%Rec	1	7/6/2022 2:04:00 AM	68517
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.024	mg/Kg	1	7/6/2022 2:04:00 AM	68517
Toluene	ND	0.049	mg/Kg	1	7/6/2022 2:04:00 AM	68517
Ethylbenzene	ND	0.049	mg/Kg	1	7/6/2022 2:04:00 AM	68517
Xylenes, Total	ND	0.098	mg/Kg	1	7/6/2022 2:04:00 AM	68517
Surr: 4-Bromofluorobenzene	80.6	70-130	%Rec	1	7/6/2022 2:04:00 AM	68517

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte 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 58

Lab Order 2207007

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-81

 Project:
 Hornbaker BA Battery
 Collection Date: 6/29/2022 8:35:00 AM

 Lab ID:
 2207007-008
 Matrix: SOIL
 Received Date: 7/1/2022 6:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: CAS
Chloride	66	60	mg/Kg	20	7/7/2022 10:22:41 PM	68614
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	t: SB
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/7/2022 7:19:26 PM	68569
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/7/2022 7:19:26 PM	68569
Surr: DNOP	101	51.1-141	%Rec	1	7/7/2022 7:19:26 PM	68569
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/6/2022 2:24:00 AM	68517
Surr: BFB	91.1	37.7-212	%Rec	1	7/6/2022 2:24:00 AM	68517
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.024	mg/Kg	1	7/6/2022 2:24:00 AM	68517
Toluene	ND	0.049	mg/Kg	1	7/6/2022 2:24:00 AM	68517
Ethylbenzene	ND	0.049	mg/Kg	1	7/6/2022 2:24:00 AM	68517
Xylenes, Total	ND	0.097	mg/Kg	1	7/6/2022 2:24:00 AM	68517
Surr: 4-Bromofluorobenzene	83.8	70-130	%Rec	1	7/6/2022 2:24:00 AM	68517

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2207007

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/14/2022

CLIENT: GHD Midland Client Sample ID: BH-82

 Project:
 Hornbaker BA Battery
 Collection Date: 6/29/2022 8:40:00 AM

 Lab ID:
 2207007-009
 Matrix: SOIL
 Received Date: 7/1/2022 6:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: CAS
Chloride	110	60	mg/Kg	20	7/7/2022 10:35:06 PM	68614
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	t: SB
Diesel Range Organics (DRO)	ND	13	mg/Kg	1	7/7/2022 7:33:35 PM	68569
Motor Oil Range Organics (MRO)	ND	44	mg/Kg	1	7/7/2022 7:33:35 PM	68569
Surr: DNOP	97.5	51.1-141	%Rec	1	7/7/2022 7:33:35 PM	68569
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	7/6/2022 2:44:00 AM	68517
Surr: BFB	90.4	37.7-212	%Rec	1	7/6/2022 2:44:00 AM	68517
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.023	mg/Kg	1	7/6/2022 2:44:00 AM	68517
Toluene	ND	0.047	mg/Kg	1	7/6/2022 2:44:00 AM	68517
Ethylbenzene	ND	0.047	mg/Kg	1	7/6/2022 2:44:00 AM	68517
Xylenes, Total	ND	0.094	mg/Kg	1	7/6/2022 2:44:00 AM	68517
Surr: 4-Bromofluorobenzene	84.4	70-130	%Rec	1	7/6/2022 2:44:00 AM	68517

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2207007

Hall Environmental Analysis Laboratory, Inc. Date Reported: 7/14/2022

CLIENT: GHD Midland Client Sample ID: BH-83

 Project:
 Hornbaker BA Battery
 Collection Date: 6/29/2022 8:45:00 AM

 Lab ID:
 2207007-010
 Matrix: SOIL
 Received Date: 7/1/2022 6:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	: NAI
Chloride	180	59	mg/Kg	20	7/8/2022 12:53:36 PM	68640
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS					Analys	:: SB
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/7/2022 7:47:51 PM	68569
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	7/7/2022 7:47:51 PM	68569
Surr: DNOP	92.0	51.1-141	%Rec	1	7/7/2022 7:47:51 PM	68569
EPA METHOD 8015D: GASOLINE RANGE					Analys	: RAA
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	7/6/2022 3:04:00 AM	68517
Surr: BFB	88.9	37.7-212	%Rec	1	7/6/2022 3:04:00 AM	68517
EPA METHOD 8021B: VOLATILES					Analys	:: RAA
Benzene	ND	0.023	mg/Kg	1	7/6/2022 3:04:00 AM	68517
Toluene	ND	0.047	mg/Kg	1	7/6/2022 3:04:00 AM	68517
Ethylbenzene	ND	0.047	mg/Kg	1	7/6/2022 3:04:00 AM	68517
Xylenes, Total	ND	0.094	mg/Kg	1	7/6/2022 3:04:00 AM	68517
Surr: 4-Bromofluorobenzene	84.2	70-130	%Rec	1	7/6/2022 3:04:00 AM	68517

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2207007

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-84

 Project:
 Hornbaker BA Battery
 Collection Date: 6/29/2022 9:00:00 AM

 Lab ID:
 2207007-011
 Matrix: SOIL
 Received Date: 7/1/2022 6:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: NAI
Chloride	550	60	mg/Kg	20	7/8/2022 1:30:51 PM	68640
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	st: SB
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/7/2022 8:02:03 PM	68569
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	7/7/2022 8:02:03 PM	68569
Surr: DNOP	90.7	51.1-141	%Rec	1	7/7/2022 8:02:03 PM	68569
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	7/6/2022 3:23:00 AM	68517
Surr: BFB	89.5	37.7-212	%Rec	1	7/6/2022 3:23:00 AM	68517
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.025	mg/Kg	1	7/6/2022 3:23:00 AM	68517
Toluene	ND	0.050	mg/Kg	1	7/6/2022 3:23:00 AM	68517
Ethylbenzene	ND	0.050	mg/Kg	1	7/6/2022 3:23:00 AM	68517
Xylenes, Total	ND	0.099	mg/Kg	1	7/6/2022 3:23:00 AM	68517
Surr: 4-Bromofluorobenzene	84.7	70-130	%Rec	1	7/6/2022 3:23:00 AM	68517

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2207007

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-85

 Project:
 Hornbaker BA Battery
 Collection Date: 6/29/2022 9:05:00 AM

 Lab ID:
 2207007-012
 Matrix: SOIL
 Received Date: 7/1/2022 6:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: NAI
Chloride	580	60	mg/Kg	20	7/8/2022 2:32:55 PM	68640
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analys	t: SB
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/7/2022 8:16:06 PM	68569
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/7/2022 8:16:06 PM	68569
Surr: DNOP	93.0	51.1-141	%Rec	1	7/7/2022 8:16:06 PM	68569
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/6/2022 3:43:00 AM	68517
Surr: BFB	86.9	37.7-212	%Rec	1	7/6/2022 3:43:00 AM	68517
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.024	mg/Kg	1	7/6/2022 3:43:00 AM	68517
Toluene	ND	0.049	mg/Kg	1	7/6/2022 3:43:00 AM	68517
Ethylbenzene	ND	0.049	mg/Kg	1	7/6/2022 3:43:00 AM	68517
Xylenes, Total	ND	0.097	mg/Kg	1	7/6/2022 3:43:00 AM	68517
Surr: 4-Bromofluorobenzene	81.8	70-130	%Rec	1	7/6/2022 3:43:00 AM	68517

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2207007

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-86

 Project:
 Hornbaker BA Battery
 Collection Date: 6/29/2022 9:10:00 AM

 Lab ID:
 2207007-013
 Matrix: SOIL
 Received Date: 7/1/2022 6:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: NAI
Chloride	330	60	mg/Kg	20	7/8/2022 2:45:19 PM	68640
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	st: SB
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/7/2022 8:30:16 PM	68569
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	7/7/2022 8:30:16 PM	68569
Surr: DNOP	93.8	51.1-141	%Rec	1	7/7/2022 8:30:16 PM	68569
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/6/2022 4:03:00 AM	68517
Surr: BFB	87.6	37.7-212	%Rec	1	7/6/2022 4:03:00 AM	68517
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.024	mg/Kg	1	7/6/2022 4:03:00 AM	68517
Toluene	ND	0.048	mg/Kg	1	7/6/2022 4:03:00 AM	68517
Ethylbenzene	ND	0.048	mg/Kg	1	7/6/2022 4:03:00 AM	68517
Xylenes, Total	ND	0.097	mg/Kg	1	7/6/2022 4:03:00 AM	68517
Surr: 4-Bromofluorobenzene	84.6	70-130	%Rec	1	7/6/2022 4:03:00 AM	68517

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2207007

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-87

 Project:
 Hornbaker BA Battery
 Collection Date: 6/29/2022 9:15:00 AM

 Lab ID:
 2207007-014
 Matrix: SOIL
 Received Date: 7/1/2022 6:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: NAI
Chloride	62	60	mg/Kg	20	7/8/2022 2:57:44 PM	68640
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS					Analys	t: SB
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/8/2022 6:41:35 AM	68570
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	7/8/2022 6:41:35 AM	68570
Surr: DNOP	95.6	51.1-141	%Rec	1	7/8/2022 6:41:35 AM	68570
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/6/2022 4:23:00 AM	68517
Surr: BFB	91.0	37.7-212	%Rec	1	7/6/2022 4:23:00 AM	68517
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.024	mg/Kg	1	7/6/2022 4:23:00 AM	68517
Toluene	ND	0.048	mg/Kg	1	7/6/2022 4:23:00 AM	68517
Ethylbenzene	ND	0.048	mg/Kg	1	7/6/2022 4:23:00 AM	68517
Xylenes, Total	ND	0.096	mg/Kg	1	7/6/2022 4:23:00 AM	68517
Surr: 4-Bromofluorobenzene	86.8	70-130	%Rec	1	7/6/2022 4:23:00 AM	68517

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2207007

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-88

 Project:
 Hornbaker BA Battery
 Collection Date: 6/29/2022 9:20:00 AM

 Lab ID:
 2207007-015
 Matrix: SOIL
 Received Date: 7/1/2022 6:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: NAI
Chloride	180	61	mg/Kg	20	7/8/2022 3:10:08 PM	68640
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	t: SB
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/8/2022 6:55:26 AM	68570
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/8/2022 6:55:26 AM	68570
Surr: DNOP	94.8	51.1-141	%Rec	1	7/8/2022 6:55:26 AM	68570
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	7/6/2022 3:29:05 AM	68517
Surr: BFB	89.9	37.7-212	%Rec	1	7/6/2022 3:29:05 AM	68517
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.023	mg/Kg	1	7/6/2022 3:29:05 AM	68517
Toluene	ND	0.047	mg/Kg	1	7/6/2022 3:29:05 AM	68517
Ethylbenzene	ND	0.047	mg/Kg	1	7/6/2022 3:29:05 AM	68517
Xylenes, Total	ND	0.094	mg/Kg	1	7/6/2022 3:29:05 AM	68517
Surr: 4-Bromofluorobenzene	97.3	70-130	%Rec	1	7/6/2022 3:29:05 AM	68517

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2207007

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-89

 Project:
 Hornbaker BA Battery
 Collection Date: 6/29/2022 9:25:00 AM

 Lab ID:
 2207007-016
 Matrix: SOIL
 Received Date: 7/1/2022 6:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: NAI
Chloride	840	60	mg/Kg	20	7/8/2022 3:22:32 PM	68640
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	t: SB
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	7/8/2022 7:09:31 AM	68570
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/8/2022 7:09:31 AM	68570
Surr: DNOP	109	51.1-141	%Rec	1	7/8/2022 7:09:31 AM	68570
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	7/6/2022 3:52:33 AM	68517
Surr: BFB	97.0	37.7-212	%Rec	1	7/6/2022 3:52:33 AM	68517
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.025	mg/Kg	1	7/6/2022 3:52:33 AM	68517
Toluene	ND	0.050	mg/Kg	1	7/6/2022 3:52:33 AM	68517
Ethylbenzene	ND	0.050	mg/Kg	1	7/6/2022 3:52:33 AM	68517
Xylenes, Total	ND	0.099	mg/Kg	1	7/6/2022 3:52:33 AM	68517
Surr: 4-Bromofluorobenzene	97.1	70-130	%Rec	1	7/6/2022 3:52:33 AM	68517

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2207007

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-90

 Project:
 Hornbaker BA Battery
 Collection Date: 6/29/2022 9:30:00 AM

 Lab ID:
 2207007-017
 Matrix: SOIL
 Received Date: 7/1/2022 6:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: NAI
Chloride	350	60	mg/Kg	20	7/8/2022 3:34:57 PM	68640
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	t: SB
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	7/8/2022 7:23:31 AM	68570
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	7/8/2022 7:23:31 AM	68570
Surr: DNOP	95.6	51.1-141	%Rec	1	7/8/2022 7:23:31 AM	68570
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	7/6/2022 9:44:00 AM	68542
Surr: BFB	96.2	37.7-212	%Rec	1	7/6/2022 9:44:00 AM	68542
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.025	mg/Kg	1	7/6/2022 9:44:00 AM	68542
Toluene	ND	0.050	mg/Kg	1	7/6/2022 9:44:00 AM	68542
Ethylbenzene	ND	0.050	mg/Kg	1	7/6/2022 9:44:00 AM	68542
Xylenes, Total	ND	0.099	mg/Kg	1	7/6/2022 9:44:00 AM	68542
Surr: 4-Bromofluorobenzene	91.6	70-130	%Rec	1	7/6/2022 9:44:00 AM	68542

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2207007

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-91

 Project:
 Hornbaker BA Battery
 Collection Date: 6/29/2022 9:35:00 AM

 Lab ID:
 2207007-018
 Matrix: SOIL
 Received Date: 7/1/2022 6:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	t: NAI
Chloride	220	60	mg/Kg	20	7/8/2022 3:47:21 PM	68640
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst	t: SB
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/8/2022 7:37:19 AM	68570
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	7/8/2022 7:37:19 AM	68570
Surr: DNOP	107	51.1-141	%Rec	1	7/8/2022 7:37:19 AM	68570
EPA METHOD 8015D: GASOLINE RANGE					Analyst	t: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/6/2022 10:43:00 AM	68542
Surr: BFB	93.1	37.7-212	%Rec	1	7/6/2022 10:43:00 AM	68542
EPA METHOD 8021B: VOLATILES					Analyst	t: RAA
Benzene	ND	0.025	mg/Kg	1	7/6/2022 10:43:00 AM	68542
Toluene	ND	0.049	mg/Kg	1	7/6/2022 10:43:00 AM	68542
Ethylbenzene	ND	0.049	mg/Kg	1	7/6/2022 10:43:00 AM	68542
Xylenes, Total	ND	0.098	mg/Kg	1	7/6/2022 10:43:00 AM	68542
Surr: 4-Bromofluorobenzene	88.1	70-130	%Rec	1	7/6/2022 10:43:00 AM	68542

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2207007

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-92

 Project:
 Hornbaker BA Battery
 Collection Date: 6/29/2022 9:40:00 AM

 Lab ID:
 2207007-019
 Matrix: SOIL
 Received Date: 7/1/2022 6:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	t: NAI
Chloride	240	60	mg/Kg	20	7/8/2022 3:59:46 PM	68640
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst	t: SB
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/8/2022 7:51:26 AM	68570
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	7/8/2022 7:51:26 AM	68570
Surr: DNOP	102	51.1-141	%Rec	1	7/8/2022 7:51:26 AM	68570
EPA METHOD 8015D: GASOLINE RANGE					Analyst	t: RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/6/2022 11:42:00 AM	68542
Surr: BFB	86.7	37.7-212	%Rec	1	7/6/2022 11:42:00 AM	68542
EPA METHOD 8021B: VOLATILES					Analyst	t: RAA
Benzene	ND	0.024	mg/Kg	1	7/6/2022 11:42:00 AM	68542
Toluene	ND	0.048	mg/Kg	1	7/6/2022 11:42:00 AM	68542
Ethylbenzene	ND	0.048	mg/Kg	1	7/6/2022 11:42:00 AM	68542
Xylenes, Total	ND	0.097	mg/Kg	1	7/6/2022 11:42:00 AM	68542
Surr: 4-Bromofluorobenzene	81.7	70-130	%Rec	1	7/6/2022 11:42:00 AM	68542

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2207007

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-93

 Project:
 Hornbaker BA Battery
 Collection Date: 6/29/2022 9:45:00 AM

 Lab ID:
 2207007-020
 Matrix: SOIL
 Received Date: 7/1/2022 6:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	t: NAI
Chloride	890	60	mg/Kg	20	7/8/2022 4:12:10 PM	68640
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst	t: SB
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/8/2022 8:05:17 AM	68570
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/8/2022 8:05:17 AM	68570
Surr: DNOP	102	51.1-141	%Rec	1	7/8/2022 8:05:17 AM	68570
EPA METHOD 8015D: GASOLINE RANGE					Analyst	t: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/6/2022 12:02:00 PM	68542
Surr: BFB	92.0	37.7-212	%Rec	1	7/6/2022 12:02:00 PM	68542
EPA METHOD 8021B: VOLATILES					Analyst	t: RAA
Benzene	ND	0.025	mg/Kg	1	7/6/2022 12:02:00 PM	68542
Toluene	ND	0.049	mg/Kg	1	7/6/2022 12:02:00 PM	68542
Ethylbenzene	ND	0.049	mg/Kg	1	7/6/2022 12:02:00 PM	68542
Xylenes, Total	ND	0.099	mg/Kg	1	7/6/2022 12:02:00 PM	68542
Surr: 4-Bromofluorobenzene	85.5	70-130	%Rec	1	7/6/2022 12:02:00 PM	68542

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2207007

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-94

 Project:
 Hornbaker BA Battery
 Collection Date: 6/29/2022 10:00:00 AM

 Lab ID:
 2207007-021
 Matrix: SOIL
 Received Date: 7/1/2022 6:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	: NAI
Chloride	100	60	mg/Kg	20	7/8/2022 4:24:34 PM	68640
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	:: SB
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/8/2022 8:19:22 AM	68570
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	7/8/2022 8:19:22 AM	68570
Surr: DNOP	96.9	51.1-141	%Rec	1	7/8/2022 8:19:22 AM	68570
EPA METHOD 8015D: GASOLINE RANGE					Analys	:: RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/6/2022 12:22:00 PM	68542
Surr: BFB	88.9	37.7-212	%Rec	1	7/6/2022 12:22:00 PM	68542
EPA METHOD 8021B: VOLATILES					Analys	:: RAA
Benzene	ND	0.024	mg/Kg	1	7/6/2022 12:22:00 PM	68542
Toluene	ND	0.048	mg/Kg	1	7/6/2022 12:22:00 PM	68542
Ethylbenzene	ND	0.048	mg/Kg	1	7/6/2022 12:22:00 PM	68542
Xylenes, Total	ND	0.095	mg/Kg	1	7/6/2022 12:22:00 PM	68542
Surr: 4-Bromofluorobenzene	83.4	70-130	%Rec	1	7/6/2022 12:22:00 PM	68542

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2207007

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-95

 Project:
 Hornbaker BA Battery
 Collection Date: 6/29/2022 10:05:00 AM

 Lab ID:
 2207007-022
 Matrix: SOIL
 Received Date: 7/1/2022 6:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: NAI
Chloride	330	60	mg/Kg	20	7/8/2022 5:01:48 PM	68640
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analys	t: SB
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	7/8/2022 8:33:19 AM	68570
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	7/8/2022 8:33:19 AM	68570
Surr: DNOP	109	51.1-141	%Rec	1	7/8/2022 8:33:19 AM	68570
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/6/2022 12:41:00 PM	68542
Surr: BFB	94.6	37.7-212	%Rec	1	7/6/2022 12:41:00 PM	68542
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.024	mg/Kg	1	7/6/2022 12:41:00 PM	68542
Toluene	ND	0.048	mg/Kg	1	7/6/2022 12:41:00 PM	68542
Ethylbenzene	ND	0.048	mg/Kg	1	7/6/2022 12:41:00 PM	68542
Xylenes, Total	ND	0.097	mg/Kg	1	7/6/2022 12:41:00 PM	68542
Surr: 4-Bromofluorobenzene	86.7	70-130	%Rec	1	7/6/2022 12:41:00 PM	68542

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2207007

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-96

 Project:
 Hornbaker BA Battery
 Collection Date: 6/29/2022 10:10:00 AM

 Lab ID:
 2207007-023
 Matrix: SOIL
 Received Date: 7/1/2022 6:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: NAI
Chloride	840	60	mg/Kg	20	7/8/2022 5:14:13 PM	68640
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analys	st: SB
Diesel Range Organics (DRO)	ND	13	mg/Kg	1	7/8/2022 8:47:16 AM	68570
Motor Oil Range Organics (MRO)	ND	43	mg/Kg	1	7/8/2022 8:47:16 AM	68570
Surr: DNOP	109	51.1-141	%Rec	1	7/8/2022 8:47:16 AM	68570
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/6/2022 1:01:00 PM	68542
Surr: BFB	86.4	37.7-212	%Rec	1	7/6/2022 1:01:00 PM	68542
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.025	mg/Kg	1	7/6/2022 1:01:00 PM	68542
Toluene	ND	0.049	mg/Kg	1	7/6/2022 1:01:00 PM	68542
Ethylbenzene	ND	0.049	mg/Kg	1	7/6/2022 1:01:00 PM	68542
Xylenes, Total	ND	0.098	mg/Kg	1	7/6/2022 1:01:00 PM	68542
Surr: 4-Bromofluorobenzene	82.3	70-130	%Rec	1	7/6/2022 1:01:00 PM	68542

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2207007

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-97

 Project:
 Hornbaker BA Battery
 Collection Date: 6/29/2022 10:15:00 AM

 Lab ID:
 2207007-024
 Matrix: SOIL
 Received Date: 7/1/2022 6:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: NAI
Chloride	1600	60	mg/Kg	20	7/8/2022 5:26:38 PM	68640
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analys	st: SB
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/8/2022 9:01:16 AM	68570
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/8/2022 9:01:16 AM	68570
Surr: DNOP	102	51.1-141	%Rec	1	7/8/2022 9:01:16 AM	68570
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	7/6/2022 1:21:00 PM	68542
Surr: BFB	91.0	37.7-212	%Rec	1	7/6/2022 1:21:00 PM	68542
EPA METHOD 8021B: VOLATILES					Analys	st: RAA
Benzene	ND	0.023	mg/Kg	1	7/6/2022 1:21:00 PM	68542
Toluene	ND	0.046	mg/Kg	1	7/6/2022 1:21:00 PM	68542
Ethylbenzene	ND	0.046	mg/Kg	1	7/6/2022 1:21:00 PM	68542
Xylenes, Total	ND	0.092	mg/Kg	1	7/6/2022 1:21:00 PM	68542
Surr: 4-Bromofluorobenzene	83.9	70-130	%Rec	1	7/6/2022 1:21:00 PM	68542

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2207007

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-98

 Project:
 Hornbaker BA Battery
 Collection Date: 6/29/2022 10:20:00 AM

 Lab ID:
 2207007-025
 Matrix: SOIL
 Received Date: 7/1/2022 6:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: NAI
Chloride	930	60	mg/Kg	20	7/8/2022 5:39:03 PM	68640
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	t: SB
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/8/2022 9:15:13 AM	68570
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	7/8/2022 9:15:13 AM	68570
Surr: DNOP	94.4	51.1-141	%Rec	1	7/8/2022 9:15:13 AM	68570
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	7/6/2022 1:41:00 PM	68542
Surr: BFB	91.3	37.7-212	%Rec	1	7/6/2022 1:41:00 PM	68542
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.025	mg/Kg	1	7/6/2022 1:41:00 PM	68542
Toluene	ND	0.050	mg/Kg	1	7/6/2022 1:41:00 PM	68542
Ethylbenzene	ND	0.050	mg/Kg	1	7/6/2022 1:41:00 PM	68542
Xylenes, Total	ND	0.10	mg/Kg	1	7/6/2022 1:41:00 PM	68542
Surr: 4-Bromofluorobenzene	83.5	70-130	%Rec	1	7/6/2022 1:41:00 PM	68542

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2207007

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-99

 Project:
 Hornbaker BA Battery
 Collection Date: 6/29/2022 10:25:00 AM

 Lab ID:
 2207007-026
 Matrix: SOIL
 Received Date: 7/1/2022 6:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: NAI
Chloride	500	60	mg/Kg	20	7/8/2022 5:51:28 PM	68640
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analys	t: SB
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/8/2022 9:29:10 AM	68570
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	7/8/2022 9:29:10 AM	68570
Surr: DNOP	96.5	51.1-141	%Rec	1	7/8/2022 9:29:10 AM	68570
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/6/2022 2:01:00 PM	68542
Surr: BFB	89.5	37.7-212	%Rec	1	7/6/2022 2:01:00 PM	68542
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.024	mg/Kg	1	7/6/2022 2:01:00 PM	68542
Toluene	ND	0.048	mg/Kg	1	7/6/2022 2:01:00 PM	68542
Ethylbenzene	ND	0.048	mg/Kg	1	7/6/2022 2:01:00 PM	68542
Xylenes, Total	ND	0.097	mg/Kg	1	7/6/2022 2:01:00 PM	68542
Surr: 4-Bromofluorobenzene	84.3	70-130	%Rec	1	7/6/2022 2:01:00 PM	68542

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2207007

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-100

 Project:
 Hornbaker BA Battery
 Collection Date: 6/29/2022 10:30:00 AM

 Lab ID:
 2207007-027
 Matrix: SOIL
 Received Date: 7/1/2022 6:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: NAI
Chloride	260	60	mg/Kg	20	7/8/2022 6:03:53 PM	68640
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	st: SB
Diesel Range Organics (DRO)	ND	13	mg/Kg	1	7/8/2022 9:43:14 AM	68570
Motor Oil Range Organics (MRO)	ND	44	mg/Kg	1	7/8/2022 9:43:14 AM	68570
Surr: DNOP	91.3	51.1-141	%Rec	1	7/8/2022 9:43:14 AM	68570
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/6/2022 2:40:00 PM	68542
Surr: BFB	86.4	37.7-212	%Rec	1	7/6/2022 2:40:00 PM	68542
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.024	mg/Kg	1	7/6/2022 2:40:00 PM	68542
Toluene	ND	0.048	mg/Kg	1	7/6/2022 2:40:00 PM	68542
Ethylbenzene	ND	0.048	mg/Kg	1	7/6/2022 2:40:00 PM	68542
Xylenes, Total	ND	0.095	mg/Kg	1	7/6/2022 2:40:00 PM	68542
Surr: 4-Bromofluorobenzene	81.5	70-130	%Rec	1	7/6/2022 2:40:00 PM	68542

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2207007

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-101

 Project:
 Hornbaker BA Battery
 Collection Date: 6/29/2022 10:35:00 AM

 Lab ID:
 2207007-028
 Matrix: SOIL
 Received Date: 7/1/2022 6:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: NAI
Chloride	480	60	mg/Kg	20	7/8/2022 6:16:18 PM	68640
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	t: SB
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/8/2022 9:57:23 AM	68570
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/8/2022 9:57:23 AM	68570
Surr: DNOP	95.1	51.1-141	%Rec	1	7/8/2022 9:57:23 AM	68570
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	7/6/2022 3:00:00 PM	68542
Surr: BFB	92.9	37.7-212	%Rec	1	7/6/2022 3:00:00 PM	68542
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.023	mg/Kg	1	7/6/2022 3:00:00 PM	68542
Toluene	ND	0.046	mg/Kg	1	7/6/2022 3:00:00 PM	68542
Ethylbenzene	ND	0.046	mg/Kg	1	7/6/2022 3:00:00 PM	68542
Xylenes, Total	ND	0.092	mg/Kg	1	7/6/2022 3:00:00 PM	68542
Surr: 4-Bromofluorobenzene	84.9	70-130	%Rec	1	7/6/2022 3:00:00 PM	68542

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2207007

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-102

 Project:
 Hornbaker BA Battery
 Collection Date: 6/29/2022 10:40:00 AM

 Lab ID:
 2207007-029
 Matrix: SOIL
 Received Date: 7/1/2022 6:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	: NAI
Chloride	670	60	mg/Kg	20	7/8/2022 6:28:43 PM	68640
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analys	:: SB
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/8/2022 10:11:28 AM	68570
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/8/2022 10:11:28 AM	68570
Surr: DNOP	99.8	51.1-141	%Rec	1	7/8/2022 10:11:28 AM	68570
EPA METHOD 8015D: GASOLINE RANGE					Analys	: RAA
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	7/6/2022 3:20:00 PM	68542
Surr: BFB	92.4	37.7-212	%Rec	1	7/6/2022 3:20:00 PM	68542
EPA METHOD 8021B: VOLATILES					Analys	:: RAA
Benzene	ND	0.023	mg/Kg	1	7/6/2022 3:20:00 PM	68542
Toluene	ND	0.046	mg/Kg	1	7/6/2022 3:20:00 PM	68542
Ethylbenzene	ND	0.046	mg/Kg	1	7/6/2022 3:20:00 PM	68542
Xylenes, Total	ND	0.093	mg/Kg	1	7/6/2022 3:20:00 PM	68542
Surr: 4-Bromofluorobenzene	86.0	70-130	%Rec	1	7/6/2022 3:20:00 PM	68542

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

Qualifiers:

- * Value exceeds Maximum Contaminant 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 2207007

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-103

 Project:
 Hornbaker BA Battery
 Collection Date: 6/29/2022 10:45:00 AM

 Lab ID:
 2207007-030
 Matrix: SOIL
 Received Date: 7/1/2022 6:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JTT
Chloride	970	60	mg/Kg	20	7/8/2022 1:45:51 PM	68641
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	t: SB
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/8/2022 10:25:28 AM	68570
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/8/2022 10:25:28 AM	68570
Surr: DNOP	93.2	51.1-141	%Rec	1	7/8/2022 10:25:28 AM	68570
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/6/2022 3:40:00 PM	68542
Surr: BFB	97.4	37.7-212	%Rec	1	7/6/2022 3:40:00 PM	68542
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.024	mg/Kg	1	7/6/2022 3:40:00 PM	68542
Toluene	ND	0.048	mg/Kg	1	7/6/2022 3:40:00 PM	68542
Ethylbenzene	ND	0.048	mg/Kg	1	7/6/2022 3:40:00 PM	68542
Xylenes, Total	ND	0.096	mg/Kg	1	7/6/2022 3:40:00 PM	68542
Surr: 4-Bromofluorobenzene	89.9	70-130	%Rec	1	7/6/2022 3:40:00 PM	68542

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

Qualifiers:

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

Date Reported: 7/14/2022

Lab Order 2207007

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH-104

 Project:
 Hornbaker BA Battery
 Collection Date: 6/29/2022 11:00:00 AM

 Lab ID:
 2207007-031
 Matrix: SOIL
 Received Date: 7/1/2022 6:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JTT
Chloride	4900	300	mg/Kg	100	7/12/2022 4:23:46 PM	68641
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	t: SB
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/8/2022 10:39:32 AM	68570
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	7/8/2022 10:39:32 AM	68570
Surr: DNOP	93.8	51.1-141	%Rec	1	7/8/2022 10:39:32 AM	68570
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	7/6/2022 3:59:00 PM	68542
Surr: BFB	98.3	37.7-212	%Rec	1	7/6/2022 3:59:00 PM	68542
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.023	mg/Kg	1	7/6/2022 3:59:00 PM	68542
Toluene	ND	0.047	mg/Kg	1	7/6/2022 3:59:00 PM	68542
Ethylbenzene	ND	0.047	mg/Kg	1	7/6/2022 3:59:00 PM	68542
Xylenes, Total	ND	0.094	mg/Kg	1	7/6/2022 3:59:00 PM	68542
Surr: 4-Bromofluorobenzene	90.1	70-130	%Rec	1	7/6/2022 3:59:00 PM	68542

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2207007

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-105

 Project:
 Hornbaker BA Battery
 Collection Date: 6/29/2022 11:05:00 AM

 Lab ID:
 2207007-032
 Matrix: SOIL
 Received Date: 7/1/2022 6:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JTT
Chloride	2100	60	mg/Kg	20	7/8/2022 2:35:14 PM	68641
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	t: SB
Diesel Range Organics (DRO)	ND	13	mg/Kg	1	7/8/2022 11:33:30 AM	68570
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	7/8/2022 11:33:30 AM	68570
Surr: DNOP	92.7	51.1-141	%Rec	1	7/8/2022 11:33:30 AM	68570
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/6/2022 4:19:00 PM	68542
Surr: BFB	96.3	37.7-212	%Rec	1	7/6/2022 4:19:00 PM	68542
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.024	mg/Kg	1	7/6/2022 4:19:00 PM	68542
Toluene	ND	0.049	mg/Kg	1	7/6/2022 4:19:00 PM	68542
Ethylbenzene	ND	0.049	mg/Kg	1	7/6/2022 4:19:00 PM	68542
Xylenes, Total	ND	0.098	mg/Kg	1	7/6/2022 4:19:00 PM	68542
Surr: 4-Bromofluorobenzene	90.1	70-130	%Rec	1	7/6/2022 4:19:00 PM	68542

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2207007

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-106

 Project:
 Hornbaker BA Battery
 Collection Date: 6/29/2022 11:10:00 AM

 Lab ID:
 2207007-033
 Matrix: SOIL
 Received Date: 7/1/2022 6:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JTT
Chloride	2600	150	mg/Kg	50	7/12/2022 4:36:11 PM	68641
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	t: SB
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/8/2022 11:47:30 AM	68570
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/8/2022 11:47:30 AM	68570
Surr: DNOP	100	51.1-141	%Rec	1	7/8/2022 11:47:30 AM	68570
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/6/2022 4:39:00 PM	68542
Surr: BFB	93.5	37.7-212	%Rec	1	7/6/2022 4:39:00 PM	68542
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.024	mg/Kg	1	7/6/2022 4:39:00 PM	68542
Toluene	ND	0.048	mg/Kg	1	7/6/2022 4:39:00 PM	68542
Ethylbenzene	ND	0.048	mg/Kg	1	7/6/2022 4:39:00 PM	68542
Xylenes, Total	ND	0.096	mg/Kg	1	7/6/2022 4:39:00 PM	68542
Surr: 4-Bromofluorobenzene	88.5	70-130	%Rec	1	7/6/2022 4:39:00 PM	68542

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2207007

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-107

 Project:
 Hornbaker BA Battery
 Collection Date: 6/29/2022 11:15:00 AM

 Lab ID:
 2207007-034
 Matrix: SOIL
 Received Date: 7/1/2022 6:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JTT
Chloride	4200	150	mg/Kg	50	7/12/2022 4:48:35 PM	68641
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/8/2022 6:31:19 AM	68571
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	7/8/2022 6:31:19 AM	68571
Surr: DNOP	108	51.1-141	%Rec	1	7/8/2022 6:31:19 AM	68571
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	7/6/2022 4:59:00 PM	68542
Surr: BFB	95.0	37.7-212	%Rec	1	7/6/2022 4:59:00 PM	68542
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.025	mg/Kg	1	7/6/2022 4:59:00 PM	68542
Toluene	ND	0.050	mg/Kg	1	7/6/2022 4:59:00 PM	68542
Ethylbenzene	ND	0.050	mg/Kg	1	7/6/2022 4:59:00 PM	68542
Xylenes, Total	ND	0.099	mg/Kg	1	7/6/2022 4:59:00 PM	68542
Surr: 4-Bromofluorobenzene	88.2	70-130	%Rec	1	7/6/2022 4:59:00 PM	68542

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2207007

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-108

 Project:
 Hornbaker BA Battery
 Collection Date: 6/29/2022 11:20:00 AM

 Lab ID:
 2207007-035
 Matrix: SOIL
 Received Date: 7/1/2022 6:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JTT
Chloride	4100	150	mg/Kg	50	7/12/2022 5:00:59 PM	68641
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	13	mg/Kg	1	7/8/2022 7:42:46 AM	68571
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	7/8/2022 7:42:46 AM	68571
Surr: DNOP	111	51.1-141	%Rec	1	7/8/2022 7:42:46 AM	68571
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	7/6/2022 5:19:00 PM	68542
Surr: BFB	93.2	37.7-212	%Rec	1	7/6/2022 5:19:00 PM	68542
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.023	mg/Kg	1	7/6/2022 5:19:00 PM	68542
Toluene	ND	0.046	mg/Kg	1	7/6/2022 5:19:00 PM	68542
Ethylbenzene	ND	0.046	mg/Kg	1	7/6/2022 5:19:00 PM	68542
Xylenes, Total	ND	0.092	mg/Kg	1	7/6/2022 5:19:00 PM	68542
Surr: 4-Bromofluorobenzene	87.4	70-130	%Rec	1	7/6/2022 5:19:00 PM	68542

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2207007

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-109

 Project:
 Hornbaker BA Battery
 Collection Date: 6/29/2022 11:25:00 AM

 Lab ID:
 2207007-036
 Matrix: SOIL
 Received Date: 7/1/2022 6:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	: NAI
Chloride	3200	150	mg/Kg	50	7/11/2022 7:58:32 PM	68641
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	: ED
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	7/8/2022 8:06:36 AM	68571
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	7/8/2022 8:06:36 AM	68571
Surr: DNOP	99.6	51.1-141	%Rec	1	7/8/2022 8:06:36 AM	68571
EPA METHOD 8015D: GASOLINE RANGE					Analys	: RAA
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	7/6/2022 5:39:00 PM	68542
Surr: BFB	91.1	37.7-212	%Rec	1	7/6/2022 5:39:00 PM	68542
EPA METHOD 8021B: VOLATILES					Analys	:: RAA
Benzene	ND	0.024	mg/Kg	1	7/6/2022 5:39:00 PM	68542
Toluene	ND	0.047	mg/Kg	1	7/6/2022 5:39:00 PM	68542
Ethylbenzene	ND	0.047	mg/Kg	1	7/6/2022 5:39:00 PM	68542
Xylenes, Total	ND	0.094	mg/Kg	1	7/6/2022 5:39:00 PM	68542
Surr: 4-Bromofluorobenzene	86.1	70-130	%Rec	1	7/6/2022 5:39:00 PM	68542

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2207007

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-110

 Project:
 Hornbaker BA Battery
 Collection Date: 6/29/2022 11:30:00 AM

 Lab ID:
 2207007-037
 Matrix: SOIL
 Received Date: 7/1/2022 6:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: NAI
Chloride	4900	300	mg/Kg	100	7/11/2022 8:10:57 PM	68641
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	13	mg/Kg	1	7/8/2022 8:30:30 AM	68571
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	7/8/2022 8:30:30 AM	68571
Surr: DNOP	113	51.1-141	%Rec	1	7/8/2022 8:30:30 AM	68571
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/6/2022 7:37:00 PM	68550
Surr: BFB	92.1	37.7-212	%Rec	1	7/6/2022 7:37:00 PM	68550
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.024	mg/Kg	1	7/6/2022 7:37:00 PM	68550
Toluene	ND	0.049	mg/Kg	1	7/6/2022 7:37:00 PM	68550
Ethylbenzene	ND	0.049	mg/Kg	1	7/6/2022 7:37:00 PM	68550
Xylenes, Total	ND	0.097	mg/Kg	1	7/6/2022 7:37:00 PM	68550
Surr: 4-Bromofluorobenzene	87.2	70-130	%Rec	1	7/6/2022 7:37:00 PM	68550

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2207007

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-111

 Project:
 Hornbaker BA Battery
 Collection Date: 6/29/2022 11:35:00 AM

 Lab ID:
 2207007-038
 Matrix: SOIL
 Received Date: 7/1/2022 6:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: NAI
Chloride	3100	150	mg/Kg	50	7/11/2022 8:23:22 PM	68641
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/8/2022 8:54:29 AM	68571
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	7/8/2022 8:54:29 AM	68571
Surr: DNOP	100	51.1-141	%Rec	1	7/8/2022 8:54:29 AM	68571
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/6/2022 8:37:00 PM	68550
Surr: BFB	94.9	37.7-212	%Rec	1	7/6/2022 8:37:00 PM	68550
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.024	mg/Kg	1	7/6/2022 8:37:00 PM	68550
Toluene	ND	0.049	mg/Kg	1	7/6/2022 8:37:00 PM	68550
Ethylbenzene	ND	0.049	mg/Kg	1	7/6/2022 8:37:00 PM	68550
Xylenes, Total	ND	0.098	mg/Kg	1	7/6/2022 8:37:00 PM	68550
Surr: 4-Bromofluorobenzene	88.3	70-130	%Rec	1	7/6/2022 8:37:00 PM	68550

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2207007

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-112

 Project:
 Hornbaker BA Battery
 Collection Date: 6/29/2022 11:40:00 AM

 Lab ID:
 2207007-039
 Matrix: SOIL
 Received Date: 7/1/2022 6:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: NAI
Chloride	6300	300	mg/Kg	100	7/11/2022 8:35:46 PM	68641
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/8/2022 9:18:22 AM	68571
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	7/8/2022 9:18:22 AM	68571
Surr: DNOP	112	51.1-141	%Rec	1	7/8/2022 9:18:22 AM	68571
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/6/2022 9:36:00 PM	68550
Surr: BFB	92.4	37.7-212	%Rec	1	7/6/2022 9:36:00 PM	68550
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.025	mg/Kg	1	7/6/2022 9:36:00 PM	68550
Toluene	ND	0.049	mg/Kg	1	7/6/2022 9:36:00 PM	68550
Ethylbenzene	ND	0.049	mg/Kg	1	7/6/2022 9:36:00 PM	68550
Xylenes, Total	ND	0.099	mg/Kg	1	7/6/2022 9:36:00 PM	68550
Surr: 4-Bromofluorobenzene	88.4	70-130	%Rec	1	7/6/2022 9:36:00 PM	68550

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2207007

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-113

 Project:
 Hornbaker BA Battery
 Collection Date: 6/29/2022 11:45:00 AM

 Lab ID:
 2207007-040
 Matrix: SOIL
 Received Date: 7/1/2022 6:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: NAI
Chloride	5500	300	mg/Kg	100	7/11/2022 8:48:10 PM	68641
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/8/2022 10:29:58 AM	68571
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	7/8/2022 10:29:58 AM	68571
Surr: DNOP	113	51.1-141	%Rec	1	7/8/2022 10:29:58 AM	68571
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/6/2022 9:55:00 PM	68550
Surr: BFB	92.1	37.7-212	%Rec	1	7/6/2022 9:55:00 PM	68550
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.024	mg/Kg	1	7/6/2022 9:55:00 PM	68550
Toluene	ND	0.048	mg/Kg	1	7/6/2022 9:55:00 PM	68550
Ethylbenzene	ND	0.048	mg/Kg	1	7/6/2022 9:55:00 PM	68550
Xylenes, Total	ND	0.097	mg/Kg	1	7/6/2022 9:55:00 PM	68550
Surr: 4-Bromofluorobenzene	85.5	70-130	%Rec	1	7/6/2022 9:55:00 PM	68550

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2207007

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-114

 Project:
 Hornbaker BA Battery
 Collection Date: 6/29/2022 11:50:00 AM

 Lab ID:
 2207007-041
 Matrix: SOIL
 Received Date: 7/1/2022 6:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	: NAI
Chloride	4600	150	mg/Kg	50	7/11/2022 9:00:35 PM	68641
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	: ED
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/8/2022 10:53:51 AM	68571
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	7/8/2022 10:53:51 AM	68571
Surr: DNOP	119	51.1-141	%Rec	1	7/8/2022 10:53:51 AM	68571
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	7/6/2022 10:15:00 PM	68550
Surr: BFB	96.3	37.7-212	%Rec	1	7/6/2022 10:15:00 PM	68550
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.023	mg/Kg	1	7/6/2022 10:15:00 PM	68550
Toluene	ND	0.047	mg/Kg	1	7/6/2022 10:15:00 PM	68550
Ethylbenzene	ND	0.047	mg/Kg	1	7/6/2022 10:15:00 PM	68550
Xylenes, Total	ND	0.094	mg/Kg	1	7/6/2022 10:15:00 PM	68550
Surr: 4-Bromofluorobenzene	91.2	70-130	%Rec	1	7/6/2022 10:15:00 PM	68550

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2207007

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-115

 Project:
 Hornbaker BA Battery
 Collection Date: 6/29/2022 11:55:00 AM

 Lab ID:
 2207007-042
 Matrix: SOIL
 Received Date: 7/1/2022 6:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: NAI
Chloride	3200	150	mg/Kg	50	7/11/2022 9:13:00 PM	68641
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/8/2022 11:17:44 AM	68571
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/8/2022 11:17:44 AM	68571
Surr: DNOP	107	51.1-141	%Rec	1	7/8/2022 11:17:44 AM	68571
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/6/2022 10:35:00 PM	68550
Surr: BFB	98.8	37.7-212	%Rec	1	7/6/2022 10:35:00 PM	68550
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.024	mg/Kg	1	7/6/2022 10:35:00 PM	68550
Toluene	ND	0.049	mg/Kg	1	7/6/2022 10:35:00 PM	68550
Ethylbenzene	ND	0.049	mg/Kg	1	7/6/2022 10:35:00 PM	68550
Xylenes, Total	ND	0.098	mg/Kg	1	7/6/2022 10:35:00 PM	68550
Surr: 4-Bromofluorobenzene	92.5	70-130	%Rec	1	7/6/2022 10:35:00 PM	68550

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2207007

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-116

 Project:
 Hornbaker BA Battery
 Collection Date: 6/29/2022 12:00:00 PM

 Lab ID:
 2207007-043
 Matrix: SOIL
 Received Date: 7/1/2022 6:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	: NAI
Chloride	6100	300	mg/Kg	100	7/11/2022 9:25:25 PM	68641
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/8/2022 11:41:37 AM	68571
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/8/2022 11:41:37 AM	68571
Surr: DNOP	103	51.1-141	%Rec	1	7/8/2022 11:41:37 AM	68571
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	7/6/2022 10:54:00 PM	68550
Surr: BFB	96.4	37.7-212	%Rec	1	7/6/2022 10:54:00 PM	68550
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.025	mg/Kg	1	7/6/2022 10:54:00 PM	68550
Toluene	ND	0.050	mg/Kg	1	7/6/2022 10:54:00 PM	68550
Ethylbenzene	ND	0.050	mg/Kg	1	7/6/2022 10:54:00 PM	68550
Xylenes, Total	ND	0.10	mg/Kg	1	7/6/2022 10:54:00 PM	68550
Surr: 4-Bromofluorobenzene	91.5	70-130	%Rec	1	7/6/2022 10:54:00 PM	68550

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2207007

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-117

 Project:
 Hornbaker BA Battery
 Collection Date: 6/29/2022 12:05:00 PM

 Lab ID:
 2207007-044
 Matrix: SOIL
 Received Date: 7/1/2022 6:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	t: NAI
Chloride	4000	150	mg/Kg	50	7/11/2022 9:37:49 PM	68641
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst	t: ED
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/8/2022 12:05:40 PM	68571
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	7/8/2022 12:05:40 PM	68571
Surr: DNOP	95.8	51.1-141	%Rec	1	7/8/2022 12:05:40 PM	68571
EPA METHOD 8015D: GASOLINE RANGE					Analyst	t: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/6/2022 11:14:00 PM	68550
Surr: BFB	99.2	37.7-212	%Rec	1	7/6/2022 11:14:00 PM	68550
EPA METHOD 8021B: VOLATILES					Analyst	t: RAA
Benzene	ND	0.025	mg/Kg	1	7/6/2022 11:14:00 PM	68550
Toluene	ND	0.049	mg/Kg	1	7/6/2022 11:14:00 PM	68550
Ethylbenzene	ND	0.049	mg/Kg	1	7/6/2022 11:14:00 PM	68550
Xylenes, Total	ND	0.099	mg/Kg	1	7/6/2022 11:14:00 PM	68550
Surr: 4-Bromofluorobenzene	93.8	70-130	%Rec	1	7/6/2022 11:14:00 PM	68550

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2207007

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-118

 Project:
 Hornbaker BA Battery
 Collection Date: 6/29/2022 12:10:00 PM

 Lab ID:
 2207007-045
 Matrix: SOIL
 Received Date: 7/1/2022 6:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: NAI
Chloride	4900	300	mg/Kg	100	7/11/2022 9:50:13 PM	68641
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/8/2022 12:29:30 PM	68571
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/8/2022 12:29:30 PM	68571
Surr: DNOP	97.1	51.1-141	%Rec	1	7/8/2022 12:29:30 PM	68571
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/6/2022 11:33:00 PM	68550
Surr: BFB	101	37.7-212	%Rec	1	7/6/2022 11:33:00 PM	68550
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.024	mg/Kg	1	7/6/2022 11:33:00 PM	68550
Toluene	ND	0.048	mg/Kg	1	7/6/2022 11:33:00 PM	68550
Ethylbenzene	ND	0.048	mg/Kg	1	7/6/2022 11:33:00 PM	68550
Xylenes, Total	ND	0.096	mg/Kg	1	7/6/2022 11:33:00 PM	68550
Surr: 4-Bromofluorobenzene	94.6	70-130	%Rec	1	7/6/2022 11:33:00 PM	68550

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2207007

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-119

 Project:
 Hornbaker BA Battery
 Collection Date: 6/29/2022 12:15:00 PM

 Lab ID:
 2207007-046
 Matrix: SOIL
 Received Date: 7/1/2022 6:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JTT
Chloride	400	60	mg/Kg	20	7/8/2022 6:42:14 PM	68641
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/8/2022 12:53:23 PM	68571
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/8/2022 12:53:23 PM	68571
Surr: DNOP	119	51.1-141	%Rec	1	7/8/2022 12:53:23 PM	68571
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/6/2022 11:53:00 PM	68550
Surr: BFB	96.6	37.7-212	%Rec	1	7/6/2022 11:53:00 PM	68550
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.025	mg/Kg	1	7/6/2022 11:53:00 PM	68550
Toluene	ND	0.049	mg/Kg	1	7/6/2022 11:53:00 PM	68550
Ethylbenzene	ND	0.049	mg/Kg	1	7/6/2022 11:53:00 PM	68550
Xylenes, Total	ND	0.099	mg/Kg	1	7/6/2022 11:53:00 PM	68550
Surr: 4-Bromofluorobenzene	93.8	70-130	%Rec	1	7/6/2022 11:53:00 PM	68550

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2207007

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-120

 Project:
 Hornbaker BA Battery
 Collection Date: 6/29/2022 12:20:00 PM

 Lab ID:
 2207007-047
 Matrix: SOIL
 Received Date: 7/1/2022 6:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JTT
Chloride	230	60	mg/Kg	20	7/8/2022 6:54:35 PM	68641
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/8/2022 1:17:21 PM	68571
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	7/8/2022 1:17:21 PM	68571
Surr: DNOP	96.1	51.1-141	%Rec	1	7/8/2022 1:17:21 PM	68571
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/7/2022 12:33:00 AM	68550
Surr: BFB	98.3	37.7-212	%Rec	1	7/7/2022 12:33:00 AM	68550
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.024	mg/Kg	1	7/7/2022 12:33:00 AM	68550
Toluene	ND	0.048	mg/Kg	1	7/7/2022 12:33:00 AM	68550
Ethylbenzene	ND	0.048	mg/Kg	1	7/7/2022 12:33:00 AM	68550
Xylenes, Total	ND	0.096	mg/Kg	1	7/7/2022 12:33:00 AM	68550
Surr: 4-Bromofluorobenzene	93.2	70-130	%Rec	1	7/7/2022 12:33:00 AM	68550

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2207007

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-121

 Project:
 Hornbaker BA Battery
 Collection Date: 6/29/2022 12:25:00 PM

 Lab ID:
 2207007-048
 Matrix: SOIL
 Received Date: 7/1/2022 6:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	:: JTT
Chloride	440	60	mg/Kg	20	7/8/2022 7:06:56 PM	68641
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	13	mg/Kg	1	7/8/2022 1:41:15 PM	68571
Motor Oil Range Organics (MRO)	ND	44	mg/Kg	1	7/8/2022 1:41:15 PM	68571
Surr: DNOP	98.0	51.1-141	%Rec	1	7/8/2022 1:41:15 PM	68571
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/7/2022 12:52:00 AM	68550
Surr: BFB	101	37.7-212	%Rec	1	7/7/2022 12:52:00 AM	68550
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.024	mg/Kg	1	7/7/2022 12:52:00 AM	68550
Toluene	ND	0.048	mg/Kg	1	7/7/2022 12:52:00 AM	68550
Ethylbenzene	ND	0.048	mg/Kg	1	7/7/2022 12:52:00 AM	68550
Xylenes, Total	ND	0.096	mg/Kg	1	7/7/2022 12:52:00 AM	68550
Surr: 4-Bromofluorobenzene	93.7	70-130	%Rec	1	7/7/2022 12:52:00 AM	68550

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2207007

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-122

 Project:
 Hornbaker BA Battery
 Collection Date: 6/29/2022 12:30:00 PM

 Lab ID:
 2207007-049
 Matrix: SOIL
 Received Date: 7/1/2022 6:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JTT
Chloride	610	60	mg/Kg	20	7/8/2022 7:19:16 PM	68641
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/8/2022 4:59:48 PM	68571
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/8/2022 4:59:48 PM	68571
Surr: DNOP	101	51.1-141	%Rec	1	7/8/2022 4:59:48 PM	68571
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	7/7/2022 1:12:00 AM	68550
Surr: BFB	100	37.7-212	%Rec	1	7/7/2022 1:12:00 AM	68550
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.023	mg/Kg	1	7/7/2022 1:12:00 AM	68550
Toluene	ND	0.046	mg/Kg	1	7/7/2022 1:12:00 AM	68550
Ethylbenzene	ND	0.046	mg/Kg	1	7/7/2022 1:12:00 AM	68550
Xylenes, Total	ND	0.093	mg/Kg	1	7/7/2022 1:12:00 AM	68550
Surr: 4-Bromofluorobenzene	91.8	70-130	%Rec	1	7/7/2022 1:12:00 AM	68550

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2207007

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-123

 Project:
 Hornbaker BA Battery
 Collection Date: 6/29/2022 12:35:00 PM

 Lab ID:
 2207007-050
 Matrix: SOIL
 Received Date: 7/1/2022 6:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	st: JTT
Chloride	730	60	mg/Kg	20	7/9/2022 1:54:22 AM	68648
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	st: ED
Diesel Range Organics (DRO)	ND	13	mg/Kg	1	7/8/2022 5:23:49 PM	68571
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	7/8/2022 5:23:49 PM	68571
Surr: DNOP	100	51.1-141	%Rec	1	7/8/2022 5:23:49 PM	68571
EPA METHOD 8015D: GASOLINE RANGE					Analys	st: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/7/2022 1:31:00 AM	68550
Surr: BFB	98.3	37.7-212	%Rec	1	7/7/2022 1:31:00 AM	68550
EPA METHOD 8021B: VOLATILES					Analys	st: RAA
Benzene	ND	0.025	mg/Kg	1	7/7/2022 1:31:00 AM	68550
Toluene	ND	0.049	mg/Kg	1	7/7/2022 1:31:00 AM	68550
Ethylbenzene	ND	0.049	mg/Kg	1	7/7/2022 1:31:00 AM	68550
Xylenes, Total	ND	0.099	mg/Kg	1	7/7/2022 1:31:00 AM	68550
Surr: 4-Bromofluorobenzene	93.1	70-130	%Rec	1	7/7/2022 1:31:00 AM	68550

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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#: 2207007

14-Jul-22

Client: GHD Midland

Project: Hornbaker BA Battery

Sample ID: MB-68614 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 68614 RunNo: 89334

Prep Date: 7/7/2022 Analysis Date: 7/7/2022 SeqNo: 3177519 Units: mq/Kq

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

Chloride ND 1.5

Sample ID: LCS-68614 TestCode: EPA Method 300.0: Anions SampType: Ics Client ID: LCSS Batch ID: 68614 RunNo: 89334 Prep Date: 7/7/2022 Analysis Date: 7/7/2022 SeqNo: 3177520 Units: mg/Kg

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

RPDLimit Qual Chloride 14 1.5 15.00 94 4 90 110

Sample ID: MB-68640 SampType: mblk TestCode: EPA Method 300.0: Anions Client ID: **PBS** Batch ID: 68640 RunNo: 89361 Prep Date: Analysis Date: 7/8/2022 SeqNo: 3178808 7/8/2022 Units: mg/Kg

Result POI SPK value SPK Ref Val %REC %RPD **RPDLimit** Qual Analyte I owl imit HighLimit

Chloride ND

Sample ID: LCS-68640 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 68640 RunNo: 89361

Prep Date: Analysis Date: 7/8/2022 SeqNo: 3178809 7/8/2022 Units: mg/Kg

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

Chloride 15 1.5 15.00 96.9 90

Sample ID: MB-68641 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: Batch ID: 68641 RunNo: 89362 PRS

Prep Date: 7/8/2022 Analysis Date: 7/8/2022 SeqNo: 3178842 Units: mg/Kg

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

ND Chloride 1.5

Sample ID: LCS-68641 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 68641 RunNo: 89362

Prep Date: 7/8/2022 Analysis Date: 7/8/2022 SeqNo: 3178843 Units: mg/Kg

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

Chloride 14 1.5

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 51 of 58

Hall Environmental Analysis Laboratory, Inc.

2207007 14-Jul-22

WO#:

Client: GHD Midland

Project: Hornbak	ker BA Battery		
Sample ID: MB-68569	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 68569	RunNo: 89303	
Prep Date: 7/6/2022	Analysis Date: 7/7/2022	SeqNo: 3176040	Units: mg/Kg
Analyte	Result PQL SPK valu	e SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	ND 15		
Motor Oil Range Organics (MRO)	ND 50		
Surr: DNOP	9.1 10.0	91.0 51.1	141
Sample ID: LCS-68569	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 68569	RunNo: 89303	
Prep Date: 7/6/2022	Analysis Date: 7/7/2022	SeqNo: 3176041	Units: mg/Kg
Analyte	Result PQL SPK valu	e SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	47 15 50.0	0 93.5 64.4	127
Surr: DNOP	4.8 5.00	96.5 51.1	141
Sample ID: MB-68570	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 68570	RunNo: 89303	
Prep Date: 7/6/2022	Analysis Date: 7/7/2022	SeqNo: 3176044	Units: mg/Kg
Analyte	Result PQL SPK valu	e SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	ND 15		
Motor Oil Range Organics (MRO)	ND 50		
Surr: DNOP	8.2 10.0	82.0 51.1	141
Sample ID: LCS-68570	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 68570	RunNo: 89303	
Prep Date: 7/6/2022	Analysis Date: 7/7/2022	SeqNo: 3176045	Units: mg/Kg
Analyte	Result PQL SPK valu	e SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	44 15 50.0	0 88.3 64.4	127
Surr: DNOP	4.7 5.00	93.6 51.1	141
Sample ID: MB-68571	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 68571	RunNo: 89260	
Prep Date: 7/6/2022	Analysis Date: 7/8/2022	SeqNo: 3177123	Units: mg/Kg
Analyte	Result PQL SPK valu	e SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	ND 15		
Motor Oil Range Organics (MRO)	ND 50		
Surr: DNOP	12 10.00) 125 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.

5.6

2207007

WO#:

14-Jul-22

Client: GHD Midland

Project: Hornbaker BA Battery

Sample ID: LCS-68571	SampT	SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 68571 RunNo: 89260					9260				
Prep Date: 7/6/2022	Analysis D	oate: 7/8	8/2022	5	SeqNo: 31	177124	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	54	15	50.00	0	107	64.4	127			
Surr: DNOP	5.8		5.000		116	51.1	141			
	SampType: MS TestCode: EPA Method 8015M/D: Diesel Range Organics									
Sample ID: 2207007-034AMS	SampT	ype: MS	;	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Sample ID: 2207007-034AMS Client ID: BH-107	•	ype: MS			tCode: EF RunNo: 8 9		8015M/D: Die	sel Range	Organics	
•	•	n ID: 685	571	F		9260	8015M/D: Die	J	Organics	
Client ID: BH-107	Batch	n ID: 685	571	F	RunNo: 89	9260		J	Organics RPDLimit	Qual

Sample ID:	2207007-034AMSD	SampType: MSD TestCode: EPA Method 801							sel Range	Organics	
Client ID:	BH-107	Batch	ID: 685	571	F	RunNo: 89	9260				
Prep Date:	7/6/2022	Analysis D	ate: 7/ 8	8/2022	5	SeqNo: 31	177127	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	47	14	46.30	0	102	36.1	154	7.38	33.9	
Surr: DNOP		5.1		4.630		110	51.1	141	0	0	

4.496

124

51.1

141

Sample ID: 2207007-014AMS	SampT	ype: MS	3	Tes	TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: BH-87	Batch	n ID: 685	570	F	RunNo: 89	9303					
Prep Date: 7/6/2022	Analysis D	oate: 7/ 8	8/2022	5	SeqNo: 3	177389	Units: mg/K	g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	41	14	45.91	0	89.5	36.1	154				
Surr: DNOP	4.6		4.591		101	51.1	141				

Sample ID:	2207007-014AMSD	SampTy	/pe: MS	SD	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID:	BH-87	Batch	ID: 68	570	F	RunNo: 89	9303				
Prep Date:	7/6/2022	Analysis Da	ate: 7/	8/2022	5	SeqNo: 31	177392	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range C	Organics (DRO)	43	14	45.45	0	95.3	36.1	154	5.26	33.9	
Surr: DNOP		4.6		4.545		102	51.1	141	0	0	

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#: **2207007 14-Jul-22**

Client: GHD Midland

Sample ID: mb-68517

Surr: BFB

Project: Hornbaker BA Battery

Sample ID: Ics-68517	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range
----------------------	----------------------	--

Client ID: LCSS Batch ID: 68517 RunNo: 89241

SampType: MBLK

890

Prep Date: 7/1/2022 Analysis Date: 7/5/2022 SegNo: 3172411 Units: mg/Kg

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	93.0	72.3	137			
Surr: BFB	1900		1000		185	37.7	212			

TestCode: EPA Method 8015D: Gasoline Range

37.7

212

Client ID: PBS	Batch	ID: 685	517	F	RunNo: 89	9241		J		
Prep Date: 7/1/2022	Analysis D	ate: 7/	5/2022	5	SeqNo: 31	172412	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								

89.5

Sample ID:	lcs-68542	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range
Client ID:	LCSS	Batch ID: 68542	RunNo: 89287

1000

Prep Date: 7/5/2022 Analysis Date: 7/6/2022 SeqNo: 3175325 Units: mg/Kg

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

 Gasoline Range Organics (GRO)
 25
 5.0
 25.00
 0
 102
 72.3
 137

 Surr: BFB
 2000
 1000
 196
 37.7
 212

Sample ID: mb-68542	SampT	уре: МВ	LK	Tes	tCode: EF	PA Method	8015D: Gasol	ine Range	!	
Client ID: PBS	Batch	n ID: 685	542	F	RunNo: 89	9287				
Prep Date: 7/5/2022	Analysis D	Date: 7/6	6/2022	5	SeqNo: 31	175326	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		95.1	37.7	212			

Sample ID: 2207007-017ams	SampT	ype: MS	3	Tes	•					
Client ID: BH-90	Batcl	n ID: 685	542	F	RunNo: 8	9287				
Prep Date: 7/5/2022	Analysis D	Date: 7/0	6/2022	9	SeqNo: 3	175328	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	30	4.9	24.70	0	120	70	130			
Surr: BFB	2200		988.1		228	37.7	212			S

Sample ID:	2207007-017amsd	SampTyp	oe: MS	SD	Tes	tCode: E	PA Method	8015D: Gasoli	ine Range	•	
Client ID:	BH-90	Batch I	D: 68	542	F	RunNo: 8	39287				
Prep Date:	7/5/2022	Analysis Dat	te: 7/	6/2022	9	SeqNo: 3	3175329	Units: mg/Kg	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit QL Practical Quanitative Limit

PQL Practical Quanitative Limit
S Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated 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.

2207007

WO#:

14-Jul-22

Client: GHD Midland

Project: Hornbaker BA Battery

Homoake	I DA Datte	1 у								
Sample ID: 2207007-017amsd	SampTy	/pe: MS	SD.	Tes	tCode: EF	A Method	8015D: Gasol	ine Range		
Client ID: BH-90	Batch	ID: 685	542	F	RunNo: 89	287				
Prep Date: 7/5/2022	Analysis Da	ate: 7/6	6/2022	5	SeqNo: 31	75329	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	29	4.9	24.30	0	120	70	130	1.67	20	
Surr: BFB	2200		971.8		228	37.7	212	0	0	S
Sample ID: Ics-68550	SampTy	/pe: LC	s	Tes	tCode: EF	A Method	8015D: Gasol	ine Range	1	
Client ID: LCSS	Batch	ID: 685	550	F	RunNo: 89	287				
Prep Date: 7/5/2022	Analysis Da	ate: 7/ 6	6/2022	5	SeqNo: 31	75349	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	102	72.3	137			
Surr: BFB	2100		1000		210	37.7	212			
Sample ID: mb-68550	SampTy	/pe: MB	BLK	Tes	tCode: EF	A Method	8015D: Gasol	ine Range		
Client ID: PBS	Batch	ID: 685	550	F	RunNo: 89	287				
Prep Date: 7/5/2022	Analysis Da	ate: 7/6	6/2022	S	SeqNo: 31	75350	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	880		1000		88.1	37.7	212			
Sample ID: 2207007-037ams	SampTy	/pe: MS	i	Tes	tCode: EF	A Method	8015D: Gasol	ine Range	1	
Client ID: BH-110	Batch	ID: 685	550	F	RunNo: 89	287				
Prep Date: 7/5/2022	Analysis Da	ate: 7/6	6/2022	S	SeqNo: 31	75352	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	31	4.9	24.70	0	126	70	130			
Surr: BFB	2200		988.1		226	37.7	212			S
Sample ID: 2207007-037amsd	SampTy	/pe: MS	SD	Tes	tCode: EF	PA Method	8015D: Gasol	ine Range	,	
Client ID: BH-110	Batch	ID: 685	550	F	RunNo: 89	287				
Prep Date: 7/5/2022	Analysis Da	ate: 7/ 6	6/2022	5	SeqNo: 31	75353	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
0 " 0 0 1 (000)			•				•	·		•

Qualifiers:

Surr: BFB

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

Gasoline Range Organics (GRO)

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

31

2300

4.8

24.25

969.9

B Analyte detected in the associated Method Blank

129

233

70

37.7

130

212

0.456

0

E Estimated value

0

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

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20

0

S

Hall Environmental Analysis Laboratory, Inc.

WO#: **2207007 14-Jul-22**

Client: GHD Midland

Project: Hornbaker BA Battery

Sample ID: Ics-68517	Samp	Гуре: LC :	S	Tes						
Client ID: LCSS	Batcl	h ID: 685	517	F	RunNo: 89	9241				
Prep Date: 7/1/2022	Analysis [Date: 7/5	5/2022	SeqNo: 3172594			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	82.4	80	120			
Toluene	0.84	0.050	1.000	0	84.0	80	120			
Ethylbenzene	0.83	0.050	1.000	0	82.7	80	120			
Xylenes, Total	2.5	0.10	3.000	0	81.8	80	120			
Surr: 4-Bromofluorobenzene	ofluorobenzene 0.83 1.000				82.6	70	130			

Sample ID: mb-68517	Sample ID: mb-68517 SampType: MBLK					TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	PBS Batch ID: 68517				RunNo: 89							
Prep Date: 7/1/2022	Analysis D)ate: 7/	5/2022	5	SeqNo: 31	172595	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	0.82		1.000		81.5	70	130					

Sample ID: Ics-68542	Samp	Type: LC	S	Tes	tCode: EF	les				
Client ID: LCSS	Batcl	h ID: 685	542	F	RunNo: 89	287				
Prep Date: 7/5/2022	Analysis [Date: 7/6	6/2022	5	SeqNo: 31	75400	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	1.000	0	90.0	80	120			
Toluene	0.93	0.050	1.000	0	92.6	80	120			
Ethylbenzene	0.93	0.050	1.000	0	93.1	80	120			
Xylenes, Total	2.8	0.10	3.000	0	92.7	80	120			
Surr: 4-Bromofluorobenzene	0.87		1.000		87.0	70	130			

Sample ID: mb-68542	Sample ID: mb-68542 SampType: MBLK					TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch	n ID: 685	542	F	RunNo: 89	9287						
Prep Date: 7/5/2022	Analysis D	Date: 7/6	6/2022	9	SeqNo: 31	175401	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		89.5	70	130					

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2207007**

14-Jul-22

Client: GHD Midland

Project: Hornbaker BA Battery

Sample ID: 2207007-018ams	SampT	уре: МЅ	1	Tes	tCode: EF							
Client ID: BH-91	Batch	n ID: 685	542	F	RunNo: 89	9287						
Prep Date: 7/5/2022	Analysis D	Date: 7/6	6/2022	5	SeqNo: 31	175404	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	1.0	0.024	0.9728	0	106	68.8	120					
Toluene	1.1	0.049	0.9728	0	108	73.6	124					
Ethylbenzene	1.1	0.049	0.9728	0	108	72.7	129					
Xylenes, Total	3.1				107	75.7	126					
Surr: 4-Bromofluorobenzene	0.83	0.83 0.9728			85.4	70	130					

Sample ID: 2207007-018amsd	SampT	уре: М S	D	Tes	tCode: EF					
Client ID: BH-91	Batcl	n ID: 685	542	F	RunNo: 89	9287				
Prep Date: 7/5/2022	Analysis D	Date: 7/6	6/2022	5	SeqNo: 31	175405	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	0.9814	0	95.8	68.8	120	8.84	20	
Toluene	0.96	0.049	0.9814	0	98.2	73.6	124	8.94	20	
Ethylbenzene	0.96	0.049	0.9814	0	97.8	72.7	129	9.38	20	
Xylenes, Total	2.8	2.8 0.098 2.944			0 96.4 75.7		126	9.93	20	
Surr: 4-Bromofluorobenzene	0.82	0.82 0.9814			83.4	0				

Sample ID: Ics-68550	Samp	ype: LC	S	Tes	tCode: EF	les				
Client ID: LCSS	Batcl	n ID: 685	550	F	RunNo: 8	9287				
Prep Date: 7/5/2022	Analysis [Date: 7/6	6/2022	9	SeqNo: 3	175424	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	91.8	80	120			
Toluene	0.93	0.050	1.000	0	93.2	80	120			
Ethylbenzene	0.93	0.050	1.000	0	93.4	80	120			
Xylenes, Total	2.8	0.10	3.000	0	93.1	80	120			
Surr: 4-Bromofluorobenzene	0.87		1.000		87.2	70	130			

Sample ID: mb-68550	SampT	уре: МЕ	BLK	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: PBS	Batch	n ID: 685	550	F	RunNo: 89	9287				
Prep Date: 7/5/2022	Analysis D	Date: 7/0	6/2022	9	SeqNo: 31	175425	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	0.83		1.000		82.6	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
- B Analyte 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 57 of 58

Hall Environmental Analysis Laboratory, Inc.

WO#: **2207007**

14-Jul-22

Client: GHD Midland

Project: Hornbaker BA Battery

Sample ID: 2207007-038ams	Samp	Гуре: МЅ	3	Tes	tCode: EF	les					
Client ID: BH-111	Batc	h ID: 685	550	F	RunNo: 89	9287					
Prep Date: 7/5/2022	Analysis [Date: 7/ 0	6/2022	5	SeqNo: 3	175428	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	1.0	0.025	0.9980	0	104	68.8	120				
Toluene	1.1	0.050	0.9980	0	109	73.6	124				
Ethylbenzene	1.1	0.050	0.9980	0	111	72.7	129				
Xylenes, Total	3.3	3.3 0.10 2.994			0 111 75.7						
Surr: 4-Bromofluorobenzene	0.91		0.9980		91.1	70	130				

Sample ID: 2207007-038amsd	Samp	Гуре: МЅ	SD .	Tes						
Client ID: BH-111	Batcl	h ID: 685	550	F	RunNo: 89	9287				
Prep Date: 7/5/2022	Analysis [Date: 7/6	6/2022	9	SeqNo: 31	175429	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	0.9911	0	107	68.8	120	1.96	20	
Toluene	1.1	0.050	0.9911	0	111	73.6	124	0.515	20	
Ethylbenzene	1.1	0.050	0.9911	0	115	72.7	129	2.51	20	
Xylenes, Total	3.4	0.099	2.973	0	115	75.7	126	3.13	20	
Surr: 4-Bromofluorobenzene	0.90		0.9911		90.8	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

Page 58 of 58



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 Numb	per: 2207007		RcptNo:	1
Received By:	Juan Rojas	7/1/2022 6:50:00 A	м	(Juanany)		
Completed By:	Sean Livingston	7/1/2022 8:20:37 A	М	Juneary Salar	,	
Reviewed By:	m 7/1/22			SILVE) -0/	
Chain of Cust	tody					
1. Is Chain of Cu	stody complete?		Yes 🗸	No 🗌	Not Present	
2. How was the s	sample delivered?		Courier			
<u>Log In</u>						
- 10 m	pt made to cool the sam	ples?	Yes 🗸	No 🗌	NA 🗆	
4. Were all samp	les received at a temper	rature of >0° C to 6.0°C	Yes 🗸	No 🗌	NA 🗆	
5. Sample(s) in p	proper container(s)?		Yes 🗸	No 🗌		
6. Sufficient samp	ole volume for indicated	test(s)?	Yes 🗸	No 🗌		
7. Are samples (e	except VOA and ONG) p	roperly preserved?	Yes 🗸	No 🗌		
8. Was preservati	ive added to bottles?		Yes	No 🗹	NA \square	
9. Received at lea	ast 1 vial with headspace	e <1/4" for AQ VOA?	Yes	No 🗌	NA 🗹	1
10. Were any sam	ple containers received	broken?	Yes	No 🗹	# of preserved	
	rk match bottle labels?	y)	Yes 🗸	No 🗆	bottles checked for pH:	>12 unless noted)
	orrectly identified on Cha	533	Yes 🗸	No 🗆	Adjusted?	,
13. Is it clear what	analyses were requeste	d?	Yes 🗸	No 🗆		0/
	g times able to be met?	v	Yes 🗸	No 🗆	Checked by:	7-1-22
	stomer for authorization ng (if applicable))			0	
	ified of all discrepancies	with this order?	Yes	No 🗌	NA 🗹	
Person N	Notified:	Date:				
By Whor	m:	Via:	eMail F	hone Fax	In Person	
Regardin	ng:			***************************************		
Client Ins	structions:					
16. Additional rem	narks:	-				
17. Cooler Inform	nation					
Cooler No	Temp °C Condition	Seal Intact Seal No	Seal Date	Signed By		
1	3.2 Good	Total Control				

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Date:

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Time:

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

324 W. Main St.

Mailing Address

Client: GHD

Becky. Haskell@ghd.com

QA/QC Package

□ Standard

email or Fax#:

Phone #:

(505)377-4218

☐ Az Compliance ☐ Other_____

Accreditation:

□ NELAC

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Phone #: (505)377-4218	1728980	380				Anal	Rednest		
email or Fax#: Becky. Haskell@ghd.com	Project Manager	ger:				[†] O	(10		
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Client: GHD

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Matrix

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Date

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25/201



Website: www.hallenvironmental.com

Hall Environmental Analysis Laboratory

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

4901 Hawkins NE

Albuquerque, NM 87109

July 14, 2022

Becky Haskell GHD Midland 2135 S Loop 250 W Midland, TX 79703

TEL: (432) 686-0086

FAX:

RE: Hornbaker BA Battery OrderNo.: 2207065

Dear Becky Haskell:

Hall Environmental Analysis Laboratory received 39 sample(s) on 7/2/2022 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 **2207065**

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-124

 Project:
 Hornbaker BA Battery
 Collection Date: 6/30/2022 8:00:00 AM

 Lab ID:
 2207065-001
 Matrix: SOIL
 Received Date: 7/2/2022 9:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: CAS
Chloride	1700	60	mg/Kg	20	7/10/2022 9:59:42 PM	68665
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst	t: ED
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	7/9/2022 4:05:03 PM	68601
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	7/9/2022 4:05:03 PM	68601
Surr: DNOP	101	51.1-141	%Rec	1	7/9/2022 4:05:03 PM	68601
EPA METHOD 8015D: GASOLINE RANGE					Analyst	t: RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	7/8/2022 12:37:00 AM	68585
Surr: BFB	92.5	37.7-212	%Rec	1	7/8/2022 12:37:00 AM	68585
EPA METHOD 8021B: VOLATILES					Analyst	t: RAA
Benzene	ND	0.025	mg/Kg	1	7/8/2022 12:37:00 AM	68585
Toluene	ND	0.050	mg/Kg	1	7/8/2022 12:37:00 AM	68585
Ethylbenzene	ND	0.050	mg/Kg	1	7/8/2022 12:37:00 AM	68585
Xylenes, Total	ND	0.099	mg/Kg	1	7/8/2022 12:37:00 AM	68585
Surr: 4-Bromofluorobenzene	86.6	70-130	%Rec	1	7/8/2022 12:37:00 AM	68585

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte 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 49

CLIENT: GHD Midland

Analytical Report

Lab Order **2207065**Date Reported: **7/14/2022**

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH-125

 Project:
 Hornbaker BA Battery
 Collection Date: 6/30/2022 8:05:00 AM

 Lab ID:
 2207065-002
 Matrix: SOIL
 Received Date: 7/2/2022 9:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: NAI
Chloride	5000	300	mg/Kg	100	7/11/2022 11:42:06 AM	68665
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst	: ED
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	7/9/2022 4:28:59 PM	68601
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	7/9/2022 4:28:59 PM	68601
Surr: DNOP	102	51.1-141	%Rec	1	7/9/2022 4:28:59 PM	68601
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/8/2022 12:56:00 AM	68585
Surr: BFB	87.3	37.7-212	%Rec	1	7/8/2022 12:56:00 AM	68585
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.024	mg/Kg	1	7/8/2022 12:56:00 AM	68585
Toluene	ND	0.049	mg/Kg	1	7/8/2022 12:56:00 AM	68585
Ethylbenzene	ND	0.049	mg/Kg	1	7/8/2022 12:56:00 AM	68585
Xylenes, Total	ND	0.098	mg/Kg	1	7/8/2022 12:56:00 AM	68585
Surr: 4-Bromofluorobenzene	83.4	70-130	%Rec	1	7/8/2022 12:56:00 AM	68585

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte 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 49

Lab Order 2207065

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-126

 Project:
 Hornbaker BA Battery
 Collection Date: 6/30/2022 8:10:00 AM

 Lab ID:
 2207065-003
 Matrix: SOIL
 Received Date: 7/2/2022 9:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: NAI
Chloride	5900	300	mg/Kg	100	0 7/11/2022 11:54:31 AM	68665
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	t: ED
Diesel Range Organics (DRO)	20	14	mg/Kg	1	7/9/2022 4:52:50 PM	68601
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/9/2022 4:52:50 PM	68601
Surr: DNOP	99.4	51.1-141	%Rec	1	7/9/2022 4:52:50 PM	68601
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	7/8/2022 1:16:00 AM	68585
Surr: BFB	91.1	37.7-212	%Rec	1	7/8/2022 1:16:00 AM	68585
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.025	mg/Kg	1	7/8/2022 1:16:00 AM	68585
Toluene	ND	0.050	mg/Kg	1	7/8/2022 1:16:00 AM	68585
Ethylbenzene	ND	0.050	mg/Kg	1	7/8/2022 1:16:00 AM	68585
Xylenes, Total	ND	0.099	mg/Kg	1	7/8/2022 1:16:00 AM	68585
Surr: 4-Bromofluorobenzene	83.7	70-130	%Rec	1	7/8/2022 1:16:00 AM	68585

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte 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 49

Lab Order 2207065

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-127

 Project:
 Hornbaker BA Battery
 Collection Date: 6/30/2022 8:15:00 AM

 Lab ID:
 2207065-004
 Matrix: SOIL
 Received Date: 7/2/2022 9:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	:: JTT
Chloride	4900	150	mg/Kg	50	7/12/2022 10:11:27 AM	68676
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	: SB
Diesel Range Organics (DRO)	27	15	mg/Kg	1	7/7/2022 1:37:38 PM	68588
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	7/7/2022 1:37:38 PM	68588
Surr: DNOP	84.8	51.1-141	%Rec	1	7/7/2022 1:37:38 PM	68588
EPA METHOD 8015D: GASOLINE RANGE					Analys	: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/8/2022 1:36:00 AM	68585
Surr: BFB	88.2	37.7-212	%Rec	1	7/8/2022 1:36:00 AM	68585
EPA METHOD 8021B: VOLATILES					Analys	:: RAA
Benzene	ND	0.024	mg/Kg	1	7/8/2022 1:36:00 AM	68585
Toluene	ND	0.049	mg/Kg	1	7/8/2022 1:36:00 AM	68585
Ethylbenzene	ND	0.049	mg/Kg	1	7/8/2022 1:36:00 AM	68585
Xylenes, Total	ND	0.098	mg/Kg	1	7/8/2022 1:36:00 AM	68585
Surr: 4-Bromofluorobenzene	85.1	70-130	%Rec	1	7/8/2022 1:36:00 AM	68585

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 **2207065**Date Reported: **7/14/2022**

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH-128

 Project:
 Hornbaker BA Battery
 Collection Date: 6/30/2022 8:20:00 AM

 Lab ID:
 2207065-005
 Matrix: SOIL
 Received Date: 7/2/2022 9:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: NAI
Chloride	1600	60	mg/Kg	20	7/11/2022 12:16:36 PM	68676
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/7/2022 2:02:39 PM	68588
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/7/2022 2:02:39 PM	68588
Surr: DNOP	79.1	51.1-141	%Rec	1	7/7/2022 2:02:39 PM	68588
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/8/2022 1:55:00 AM	68585
Surr: BFB	86.7	37.7-212	%Rec	1	7/8/2022 1:55:00 AM	68585
EPA METHOD 8021B: VOLATILES					Analyst	:: RAA
Benzene	ND	0.024	mg/Kg	1	7/8/2022 1:55:00 AM	68585
Toluene	ND	0.049	mg/Kg	1	7/8/2022 1:55:00 AM	68585
Ethylbenzene	ND	0.049	mg/Kg	1	7/8/2022 1:55:00 AM	68585
Xylenes, Total	ND	0.097	mg/Kg	1	7/8/2022 1:55:00 AM	68585
Surr: 4-Bromofluorobenzene	81.4	70-130	%Rec	1	7/8/2022 1:55:00 AM	68585

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 **2207065**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/14/2022

CLIENT: GHD Midland Client Sample ID: BH-129

 Project:
 Hornbaker BA Battery
 Collection Date: 6/30/2022 8:25:00 AM

 Lab ID:
 2207065-006
 Matrix: SOIL
 Received Date: 7/2/2022 9:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: NAI
Chloride	91	60	mg/Kg	20	7/11/2022 12:29:00 PM	68676
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/7/2022 2:27:11 PM	68588
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	7/7/2022 2:27:11 PM	68588
Surr: DNOP	95.8	51.1-141	%Rec	1	7/7/2022 2:27:11 PM	68588
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/8/2022 2:15:00 AM	68585
Surr: BFB	88.4	37.7-212	%Rec	1	7/8/2022 2:15:00 AM	68585
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.025	mg/Kg	1	7/8/2022 2:15:00 AM	68585
Toluene	ND	0.049	mg/Kg	1	7/8/2022 2:15:00 AM	68585
Ethylbenzene	ND	0.049	mg/Kg	1	7/8/2022 2:15:00 AM	68585
Xylenes, Total	ND	0.098	mg/Kg	1	7/8/2022 2:15:00 AM	68585
Surr: 4-Bromofluorobenzene	83.4	70-130	%Rec	1	7/8/2022 2:15:00 AM	68585

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 **2207065**

Hall Environmental Analysis Laboratory, Inc. Date Reported: 7/14/2022

CLIENT: GHD Midland Client Sample ID: BH-130

 Project:
 Hornbaker BA Battery
 Collection Date: 6/30/2022 8:30:00 AM

 Lab ID:
 2207065-007
 Matrix: SOIL
 Received Date: 7/2/2022 9:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JTT
Chloride	2700	150	mg/Kg	50	7/12/2022 10:23:51 AM	68676
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	t: SB
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	7/7/2022 2:51:45 PM	68588
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	7/7/2022 2:51:45 PM	68588
Surr: DNOP	83.7	51.1-141	%Rec	1	7/7/2022 2:51:45 PM	68588
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/8/2022 2:35:00 AM	68585
Surr: BFB	88.6	37.7-212	%Rec	1	7/8/2022 2:35:00 AM	68585
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.024	mg/Kg	1	7/8/2022 2:35:00 AM	68585
Toluene	ND	0.049	mg/Kg	1	7/8/2022 2:35:00 AM	68585
Ethylbenzene	ND	0.049	mg/Kg	1	7/8/2022 2:35:00 AM	68585
Xylenes, Total	ND	0.097	mg/Kg	1	7/8/2022 2:35:00 AM	68585
Surr: 4-Bromofluorobenzene	84.5	70-130	%Rec	1	7/8/2022 2:35:00 AM	68585

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 **2207065**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/14/2022

CLIENT: GHD Midland Client Sample ID: BH-131

 Project:
 Hornbaker BA Battery
 Collection Date: 6/30/2022 8:35:00 AM

 Lab ID:
 2207065-008
 Matrix: SOIL
 Received Date: 7/2/2022 9:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: NAI
Chloride	ND	61	mg/Kg	20	7/11/2022 2:08:15 PM	68676
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analys	t: SB
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/7/2022 3:16:21 PM	68588
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/7/2022 3:16:21 PM	68588
Surr: DNOP	88.7	51.1-141	%Rec	1	7/7/2022 3:16:21 PM	68588
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/8/2022 2:54:00 AM	68585
Surr: BFB	89.1	37.7-212	%Rec	1	7/8/2022 2:54:00 AM	68585
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.024	mg/Kg	1	7/8/2022 2:54:00 AM	68585
Toluene	ND	0.049	mg/Kg	1	7/8/2022 2:54:00 AM	68585
Ethylbenzene	ND	0.049	mg/Kg	1	7/8/2022 2:54:00 AM	68585
Xylenes, Total	ND	0.097	mg/Kg	1	7/8/2022 2:54:00 AM	68585
Surr: 4-Bromofluorobenzene	82.5	70-130	%Rec	1	7/8/2022 2:54:00 AM	68585

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 **2207065**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/14/2022

CLIENT: GHD Midland Client Sample ID: BH-132

 Project:
 Hornbaker BA Battery
 Collection Date: 6/30/2022 8:40:00 AM

 Lab ID:
 2207065-009
 Matrix: SOIL
 Received Date: 7/2/2022 9:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: NAI
Chloride	1200	61	mg/Kg	20	7/11/2022 2:20:39 PM	68676
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	:: SB
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	7/7/2022 3:40:56 PM	68588
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/7/2022 3:40:56 PM	68588
Surr: DNOP	86.0	51.1-141	%Rec	1	7/7/2022 3:40:56 PM	68588
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	7/8/2022 3:14:00 AM	68585
Surr: BFB	89.6	37.7-212	%Rec	1	7/8/2022 3:14:00 AM	68585
EPA METHOD 8021B: VOLATILES					Analyst	:: RAA
Benzene	ND	0.025	mg/Kg	1	7/8/2022 3:14:00 AM	68585
Toluene	ND	0.050	mg/Kg	1	7/8/2022 3:14:00 AM	68585
Ethylbenzene	ND	0.050	mg/Kg	1	7/8/2022 3:14:00 AM	68585
Xylenes, Total	ND	0.099	mg/Kg	1	7/8/2022 3:14:00 AM	68585
Surr: 4-Bromofluorobenzene	84.8	70-130	%Rec	1	7/8/2022 3:14:00 AM	68585

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2207065

, **Inc.** Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-133

 Project:
 Hornbaker BA Battery
 Collection Date: 6/30/2022 8:45:00 AM

 Lab ID:
 2207065-010
 Matrix: SOIL
 Received Date: 7/2/2022 9:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	: NAI
Chloride	110	60	mg/Kg	20	7/11/2022 2:33:03 PM	68676
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analys	:: SB
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/7/2022 4:05:35 PM	68588
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	7/7/2022 4:05:35 PM	68588
Surr: DNOP	95.1	51.1-141	%Rec	1	7/7/2022 4:05:35 PM	68588
EPA METHOD 8015D: GASOLINE RANGE					Analys	: RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	7/8/2022 3:34:00 AM	68585
Surr: BFB	91.1	37.7-212	%Rec	1	7/8/2022 3:34:00 AM	68585
EPA METHOD 8021B: VOLATILES					Analys	:: RAA
Benzene	ND	0.025	mg/Kg	1	7/8/2022 3:34:00 AM	68585
Toluene	ND	0.050	mg/Kg	1	7/8/2022 3:34:00 AM	68585
Ethylbenzene	ND	0.050	mg/Kg	1	7/8/2022 3:34:00 AM	68585
Xylenes, Total	ND	0.099	mg/Kg	1	7/8/2022 3:34:00 AM	68585
Surr: 4-Bromofluorobenzene	87.6	70-130	%Rec	1	7/8/2022 3:34:00 AM	68585

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 **2207065**Date Reported: **7/14/2022**

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH-134

 Project:
 Hornbaker BA Battery
 Collection Date: 6/30/2022 9:00:00 AM

 Lab ID:
 2207065-011
 Matrix: SOIL
 Received Date: 7/2/2022 9:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	:: JTT
Chloride	5500	300	mg/Kg	100	7/12/2022 10:36:15 AM	68676
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	:: ED
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	7/8/2022 12:51:44 PM	68624
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	7/8/2022 12:51:44 PM	68624
Surr: DNOP	113	51.1-141	%Rec	1	7/8/2022 12:51:44 PM	68624
EPA METHOD 8015D: GASOLINE RANGE					Analys	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/8/2022 2:06:08 AM	68595
Surr: BFB	93.6	37.7-212	%Rec	1	7/8/2022 2:06:08 AM	68595
EPA METHOD 8021B: VOLATILES					Analys	: NSB
Benzene	ND	0.024	mg/Kg	1	7/8/2022 2:06:08 AM	68595
Toluene	ND	0.049	mg/Kg	1	7/8/2022 2:06:08 AM	68595
Ethylbenzene	ND	0.049	mg/Kg	1	7/8/2022 2:06:08 AM	68595
Xylenes, Total	ND	0.098	mg/Kg	1	7/8/2022 2:06:08 AM	68595
Surr: 4-Bromofluorobenzene	98.1	70-130	%Rec	1	7/8/2022 2:06:08 AM	68595

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 **2207065**Date Reported: **7/14/2022**

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH-135

 Project:
 Hornbaker BA Battery
 Collection Date: 6/30/2022 9:05:00 AM

 Lab ID:
 2207065-012
 Matrix: SOIL
 Received Date: 7/2/2022 9:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	: NAI
Chloride	1500	60	mg/Kg	20	7/11/2022 2:57:51 PM	68676
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	:: ED
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/8/2022 2:05:04 PM	68624
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	7/8/2022 2:05:04 PM	68624
Surr: DNOP	105	51.1-141	%Rec	1	7/8/2022 2:05:04 PM	68624
EPA METHOD 8015D: GASOLINE RANGE					Analys	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/8/2022 3:16:24 AM	68595
Surr: BFB	94.0	37.7-212	%Rec	1	7/8/2022 3:16:24 AM	68595
EPA METHOD 8021B: VOLATILES					Analys	: NSB
Benzene	ND	0.024	mg/Kg	1	7/8/2022 3:16:24 AM	68595
Toluene	ND	0.049	mg/Kg	1	7/8/2022 3:16:24 AM	68595
Ethylbenzene	ND	0.049	mg/Kg	1	7/8/2022 3:16:24 AM	68595
Xylenes, Total	ND	0.097	mg/Kg	1	7/8/2022 3:16:24 AM	68595
Surr: 4-Bromofluorobenzene	97.9	70-130	%Rec	1	7/8/2022 3:16:24 AM	68595

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 **2207065**Date Reported: **7/14/2022**

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH-136

 Project:
 Hornbaker BA Battery
 Collection Date: 6/30/2022 9:10:00 AM

 Lab ID:
 2207065-013
 Matrix: SOIL
 Received Date: 7/2/2022 9:30:00 AM

Result **RL Oual Units DF** Date Analyzed **Batch** Analyses **EPA METHOD 300.0: ANIONS** Analyst: JTT Chloride 4800 300 mg/Kg 100 7/12/2022 10:48:39 AM 68676 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: ED Diesel Range Organics (DRO) 15 mg/Kg 7/8/2022 2:29:31 PM 68624 Motor Oil Range Organics (MRO) ND 49 mg/Kg 1 7/8/2022 2:29:31 PM 68624 Surr: DNOP 110 51.1-141 %Rec 7/8/2022 2:29:31 PM 68624 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 68595 4.8 mg/Kg 7/8/2022 3:39:48 AM Surr: BFB 91.9 37.7-212 %Rec 7/8/2022 3:39:48 AM 68595 **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 0.024 68595 mg/Kg 7/8/2022 3:39:48 AM Toluene ND 0.048 mg/Kg 7/8/2022 3:39:48 AM 68595 Ethylbenzene ND 0.048 mg/Kg 1 7/8/2022 3:39:48 AM 68595 Xylenes, Total ND 0.096 mg/Kg 7/8/2022 3:39:48 AM 68595 Surr: 4-Bromofluorobenzene 70-130 68595 98.4 %Rec 7/8/2022 3:39:48 AM

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 **2207065**

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-137

 Project:
 Hornbaker BA Battery
 Collection Date: 6/30/2022 9:15:00 AM

 Lab ID:
 2207065-014
 Matrix: SOIL
 Received Date: 7/2/2022 9:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: NAI
Chloride	320	60	mg/Kg	20	7/11/2022 3:22:40 PM	68676
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	7/8/2022 2:53:51 PM	68624
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	7/8/2022 2:53:51 PM	68624
Surr: DNOP	99.8	51.1-141	%Rec	1	7/8/2022 2:53:51 PM	68624
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	7/8/2022 4:03:15 AM	68595
Surr: BFB	93.5	37.7-212	%Rec	1	7/8/2022 4:03:15 AM	68595
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.023	mg/Kg	1	7/8/2022 4:03:15 AM	68595
Toluene	ND	0.047	mg/Kg	1	7/8/2022 4:03:15 AM	68595
Ethylbenzene	ND	0.047	mg/Kg	1	7/8/2022 4:03:15 AM	68595
Xylenes, Total	ND	0.093	mg/Kg	1	7/8/2022 4:03:15 AM	68595
Surr: 4-Bromofluorobenzene	97.7	70-130	%Rec	1	7/8/2022 4:03:15 AM	68595

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 **2207065**

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-138

 Project:
 Hornbaker BA Battery
 Collection Date: 6/30/2022 9:20:00 AM

 Lab ID:
 2207065-015
 Matrix: SOIL
 Received Date: 7/2/2022 9:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	: NAI
Chloride	250	60	mg/Kg	20	7/11/2022 3:35:04 PM	68676
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analys	: ED
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	7/8/2022 3:18:19 PM	68624
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	7/8/2022 3:18:19 PM	68624
Surr: DNOP	104	51.1-141	%Rec	1	7/8/2022 3:18:19 PM	68624
EPA METHOD 8015D: GASOLINE RANGE					Analys	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/8/2022 4:26:40 AM	68595
Surr: BFB	91.6	37.7-212	%Rec	1	7/8/2022 4:26:40 AM	68595
EPA METHOD 8021B: VOLATILES					Analys	: NSB
Benzene	ND	0.024	mg/Kg	1	7/8/2022 4:26:40 AM	68595
Toluene	ND	0.049	mg/Kg	1	7/8/2022 4:26:40 AM	68595
Ethylbenzene	ND	0.049	mg/Kg	1	7/8/2022 4:26:40 AM	68595
Xylenes, Total	ND	0.098	mg/Kg	1	7/8/2022 4:26:40 AM	68595
Surr: 4-Bromofluorobenzene	98.0	70-130	%Rec	1	7/8/2022 4:26:40 AM	68595

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 **2207065**

Hall Environmental Analysis Laboratory, Inc. Date Reported: 7/14/2022

CLIENT: GHD Midland Client Sample ID: BH-139

 Project:
 Hornbaker BA Battery
 Collection Date: 6/30/2022 9:25:00 AM

 Lab ID:
 2207065-016
 Matrix: SOIL
 Received Date: 7/2/2022 9:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: NAI
Chloride	1200	60	mg/Kg	20	7/11/2022 3:47:28 PM	68676
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/8/2022 3:42:45 PM	68624
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/8/2022 3:42:45 PM	68624
Surr: DNOP	110	51.1-141	%Rec	1	7/8/2022 3:42:45 PM	68624
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/8/2022 4:50:18 AM	68595
Surr: BFB	92.1	37.7-212	%Rec	1	7/8/2022 4:50:18 AM	68595
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.025	mg/Kg	1	7/8/2022 4:50:18 AM	68595
Toluene	ND	0.049	mg/Kg	1	7/8/2022 4:50:18 AM	68595
Ethylbenzene	ND	0.049	mg/Kg	1	7/8/2022 4:50:18 AM	68595
Xylenes, Total	ND	0.099	mg/Kg	1	7/8/2022 4:50:18 AM	68595
Surr: 4-Bromofluorobenzene	98.6	70-130	%Rec	1	7/8/2022 4:50:18 AM	68595

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 **2207065**Date Reported: **7/14/2022**

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH-140

 Project:
 Hornbaker BA Battery
 Collection Date: 6/30/2022 9:30:00 AM

 Lab ID:
 2207065-017
 Matrix: SOIL
 Received Date: 7/2/2022 9:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: NAI
Chloride	250	60	mg/Kg	20	7/11/2022 3:59:52 PM	68676
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	7/8/2022 4:07:16 PM	68624
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	7/8/2022 4:07:16 PM	68624
Surr: DNOP	89.6	51.1-141	%Rec	1	7/8/2022 4:07:16 PM	68624
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/9/2022 4:43:00 AM	68595
Surr: BFB	87.9	37.7-212	%Rec	1	7/9/2022 4:43:00 AM	68595
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.024	mg/Kg	1	7/9/2022 4:43:00 AM	68595
Toluene	ND	0.048	mg/Kg	1	7/9/2022 4:43:00 AM	68595
Ethylbenzene	ND	0.048	mg/Kg	1	7/9/2022 4:43:00 AM	68595
Xylenes, Total	ND	0.097	mg/Kg	1	7/9/2022 4:43:00 AM	68595
Surr: 4-Bromofluorobenzene	83.9	70-130	%Rec	1	7/9/2022 4:43:00 AM	68595

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2207065

Hall Environmental Analysis Laboratory, Inc. Date Reported: 7/14/2022

CLIENT: GHD Midland Client Sample ID: BH-141

 Project:
 Hornbaker BA Battery
 Collection Date: 6/30/2022 9:35:00 AM

 Lab ID:
 2207065-018
 Matrix: SOIL
 Received Date: 7/2/2022 9:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: NAI
Chloride	200	60	mg/Kg	20	7/11/2022 4:37:06 PM	68676
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	7/8/2022 4:31:44 PM	68624
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	7/8/2022 4:31:44 PM	68624
Surr: DNOP	121	51.1-141	%Rec	1	7/8/2022 4:31:44 PM	68624
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/9/2022 5:03:00 AM	68595
Surr: BFB	91.9	37.7-212	%Rec	1	7/9/2022 5:03:00 AM	68595
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.024	mg/Kg	1	7/9/2022 5:03:00 AM	68595
Toluene	ND	0.049	mg/Kg	1	7/9/2022 5:03:00 AM	68595
Ethylbenzene	ND	0.049	mg/Kg	1	7/9/2022 5:03:00 AM	68595
Xylenes, Total	ND	0.098	mg/Kg	1	7/9/2022 5:03:00 AM	68595
Surr: 4-Bromofluorobenzene	86.0	70-130	%Rec	1	7/9/2022 5:03:00 AM	68595

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 **2207065**Date Reported: **7/14/2022**

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH-142

 Project:
 Hornbaker BA Battery
 Collection Date: 6/30/2022 9:40:00 AM

 Lab ID:
 2207065-019
 Matrix: SOIL
 Received Date: 7/2/2022 9:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: NAI
Chloride	530	60	mg/Kg	20	7/11/2022 4:49:30 PM	68676
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	7/8/2022 4:56:20 PM	68624
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/8/2022 4:56:20 PM	68624
Surr: DNOP	96.9	51.1-141	%Rec	1	7/8/2022 4:56:20 PM	68624
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/9/2022 5:23:00 AM	68595
Surr: BFB	89.4	37.7-212	%Rec	1	7/9/2022 5:23:00 AM	68595
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.024	mg/Kg	1	7/9/2022 5:23:00 AM	68595
Toluene	ND	0.049	mg/Kg	1	7/9/2022 5:23:00 AM	68595
Ethylbenzene	ND	0.049	mg/Kg	1	7/9/2022 5:23:00 AM	68595
Xylenes, Total	ND	0.098	mg/Kg	1	7/9/2022 5:23:00 AM	68595
Surr: 4-Bromofluorobenzene	82.3	70-130	%Rec	1	7/9/2022 5:23:00 AM	68595

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2207065

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/14/2022

CLIENT: GHD Midland Client Sample ID: BH-143

 Project:
 Hornbaker BA Battery
 Collection Date: 6/30/2022 9:45:00 AM

 Lab ID:
 2207065-020
 Matrix: SOIL
 Received Date: 7/2/2022 9:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: NAI
Chloride	980	60	mg/Kg	20	7/11/2022 5:01:54 PM	68676
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/8/2022 5:20:49 PM	68624
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/8/2022 5:20:49 PM	68624
Surr: DNOP	119	51.1-141	%Rec	1	7/8/2022 5:20:49 PM	68624
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	7/9/2022 5:42:00 AM	68595
Surr: BFB	96.8	37.7-212	%Rec	1	7/9/2022 5:42:00 AM	68595
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.024	mg/Kg	1	7/9/2022 5:42:00 AM	68595
Toluene	ND	0.047	mg/Kg	1	7/9/2022 5:42:00 AM	68595
Ethylbenzene	ND	0.047	mg/Kg	1	7/9/2022 5:42:00 AM	68595
Xylenes, Total	ND	0.095	mg/Kg	1	7/9/2022 5:42:00 AM	68595
Surr: 4-Bromofluorobenzene	88.0	70-130	%Rec	1	7/9/2022 5:42:00 AM	68595

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 **2207065**

Hall Environmental Analysis Laboratory, Inc. Date Reported: 7/14/2022

CLIENT: GHD Midland Client Sample ID: BH-144

 Project:
 Hornbaker BA Battery
 Collection Date: 6/30/2022 10:00:00 AM

 Lab ID:
 2207065-021
 Matrix: SOIL
 Received Date: 7/2/2022 9:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: NAI
Chloride	300	60	mg/Kg	20	7/11/2022 5:14:18 PM	68676
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	7/8/2022 5:45:31 PM	68624
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	7/8/2022 5:45:31 PM	68624
Surr: DNOP	117	51.1-141	%Rec	1	7/8/2022 5:45:31 PM	68624
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/9/2022 6:02:00 AM	68595
Surr: BFB	90.8	37.7-212	%Rec	1	7/9/2022 6:02:00 AM	68595
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.024	mg/Kg	1	7/9/2022 6:02:00 AM	68595
Toluene	ND	0.048	mg/Kg	1	7/9/2022 6:02:00 AM	68595
Ethylbenzene	ND	0.048	mg/Kg	1	7/9/2022 6:02:00 AM	68595
Xylenes, Total	ND	0.095	mg/Kg	1	7/9/2022 6:02:00 AM	68595
Surr: 4-Bromofluorobenzene	88.3	70-130	%Rec	1	7/9/2022 6:02:00 AM	68595

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 **2207065**

Hall Environmental Analysis Laboratory, Inc. Date Reported: 7/14/2022

CLIENT: GHD Midland Client Sample ID: BH-145

 Project:
 Hornbaker BA Battery
 Collection Date: 6/30/2022 10:05:00 AM

 Lab ID:
 2207065-022
 Matrix: SOIL
 Received Date: 7/2/2022 9:30:00 AM

Analyses	Result	RL ·	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: NAI
Chloride	510	60	mg/Kg	20	7/11/2022 5:26:42 PM	68676
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/8/2022 6:10:03 PM	68624
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	7/8/2022 6:10:03 PM	68624
Surr: DNOP	107	51.1-141	%Rec	1	7/8/2022 6:10:03 PM	68624
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	7/9/2022 6:22:00 AM	68595
Surr: BFB	89.3	37.7-212	%Rec	1	7/9/2022 6:22:00 AM	68595
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.025	mg/Kg	1	7/9/2022 6:22:00 AM	68595
Toluene	ND	0.050	mg/Kg	1	7/9/2022 6:22:00 AM	68595
Ethylbenzene	ND	0.050	mg/Kg	1	7/9/2022 6:22:00 AM	68595
Xylenes, Total	ND	0.099	mg/Kg	1	7/9/2022 6:22:00 AM	68595
Surr: 4-Bromofluorobenzene	84.9	70-130	%Rec	1	7/9/2022 6:22:00 AM	68595

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

Qualifiers:

- * Value exceeds Maximum Contaminant 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 2207065

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-146

 Project:
 Hornbaker BA Battery
 Collection Date: 6/30/2022 10:10:00 AM

 Lab ID:
 2207065-023
 Matrix: SOIL
 Received Date: 7/2/2022 9:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: NAI
Chloride	1500	60	mg/Kg	20	7/11/2022 5:39:06 PM	68676
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	7/8/2022 6:34:42 PM	68624
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	7/8/2022 6:34:42 PM	68624
Surr: DNOP	102	51.1-141	%Rec	1	7/8/2022 6:34:42 PM	68624
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/9/2022 6:41:00 AM	68595
Surr: BFB	88.0	37.7-212	%Rec	1	7/9/2022 6:41:00 AM	68595
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.024	mg/Kg	1	7/9/2022 6:41:00 AM	68595
Toluene	ND	0.048	mg/Kg	1	7/9/2022 6:41:00 AM	68595
Ethylbenzene	ND	0.048	mg/Kg	1	7/9/2022 6:41:00 AM	68595
Xylenes, Total	ND	0.096	mg/Kg	1	7/9/2022 6:41:00 AM	68595
Surr: 4-Bromofluorobenzene	83.9	70-130	%Rec	1	7/9/2022 6:41:00 AM	68595

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 **2207065**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/14/2022

CLIENT: GHD Midland Client Sample ID: BH-147

 Project:
 Hornbaker BA Battery
 Collection Date: 6/30/2022 10:15:00 AM

 Lab ID:
 2207065-024
 Matrix: SOIL
 Received Date: 7/2/2022 9:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: NAI
Chloride	550	60	mg/Kg	20	7/11/2022 12:56:34 PM	68681
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: ED
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	7/8/2022 6:59:14 PM	68624
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	7/8/2022 6:59:14 PM	68624
Surr: DNOP	75.3	51.1-141	%Rec	1	7/8/2022 6:59:14 PM	68624
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	7/9/2022 7:01:00 AM	68595
Surr: BFB	88.2	37.7-212	%Rec	1	7/9/2022 7:01:00 AM	68595
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.023	mg/Kg	1	7/9/2022 7:01:00 AM	68595
Toluene	ND	0.047	mg/Kg	1	7/9/2022 7:01:00 AM	68595
Ethylbenzene	ND	0.047	mg/Kg	1	7/9/2022 7:01:00 AM	68595
Xylenes, Total	ND	0.093	mg/Kg	1	7/9/2022 7:01:00 AM	68595
Surr: 4-Bromofluorobenzene	82.9	70-130	%Rec	1	7/9/2022 7:01:00 AM	68595

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

Qualifiers:

- * Value exceeds Maximum Contaminant 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 2207065

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-148

 Project:
 Hornbaker BA Battery
 Collection Date: 6/30/2022 10:20:00 AM

 Lab ID:
 2207065-025
 Matrix: SOIL
 Received Date: 7/2/2022 9:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JTT
Chloride	5300	300	mg/Kg	100	7/12/2022 11:01:04 AM	68681
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	7/8/2022 7:24:00 PM	68624
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	7/8/2022 7:24:00 PM	68624
Surr: DNOP	105	51.1-141	%Rec	1	7/8/2022 7:24:00 PM	68624
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/9/2022 7:21:00 AM	68595
Surr: BFB	85.6	37.7-212	%Rec	1	7/9/2022 7:21:00 AM	68595
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.025	mg/Kg	1	7/9/2022 7:21:00 AM	68595
Toluene	ND	0.049	mg/Kg	1	7/9/2022 7:21:00 AM	68595
Ethylbenzene	ND	0.049	mg/Kg	1	7/9/2022 7:21:00 AM	68595
Xylenes, Total	ND	0.098	mg/Kg	1	7/9/2022 7:21:00 AM	68595
Surr: 4-Bromofluorobenzene	83.0	70-130	%Rec	1	7/9/2022 7:21:00 AM	68595

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 **2207065**

Hall Environmental Analysis Laboratory, Inc. Date Reported: 7/14/2022

CLIENT: GHD Midland Client Sample ID: BH-149

 Project:
 Hornbaker BA Battery
 Collection Date: 6/30/2022 10:25:00 AM

 Lab ID:
 2207065-026
 Matrix: SOIL
 Received Date: 7/2/2022 9:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: NAI
Chloride	2000	60	mg/Kg	20	7/11/2022 1:21:22 PM	68681
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/8/2022 7:48:33 PM	68624
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/8/2022 7:48:33 PM	68624
Surr: DNOP	74.1	51.1-141	%Rec	1	7/8/2022 7:48:33 PM	68624
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/9/2022 8:00:00 AM	68595
Surr: BFB	94.5	37.7-212	%Rec	1	7/9/2022 8:00:00 AM	68595
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.024	mg/Kg	1	7/9/2022 8:00:00 AM	68595
Toluene	ND	0.049	mg/Kg	1	7/9/2022 8:00:00 AM	68595
Ethylbenzene	ND	0.049	mg/Kg	1	7/9/2022 8:00:00 AM	68595
Xylenes, Total	ND	0.098	mg/Kg	1	7/9/2022 8:00:00 AM	68595
Surr: 4-Bromofluorobenzene	90.9	70-130	%Rec	1	7/9/2022 8:00:00 AM	68595

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2207065

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-150

 Project:
 Hornbaker BA Battery
 Collection Date: 6/30/2022 10:30:00 AM

 Lab ID:
 2207065-027
 Matrix: SOIL
 Received Date: 7/2/2022 9:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JTT
Chloride	11000	600	mg/Kg	200	7/12/2022 11:13:29 AM	68681
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	7/8/2022 8:13:11 PM	68624
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/8/2022 8:13:11 PM	68624
Surr: DNOP	93.6	51.1-141	%Rec	1	7/8/2022 8:13:11 PM	68624
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/9/2022 8:20:00 AM	68595
Surr: BFB	89.4	37.7-212	%Rec	1	7/9/2022 8:20:00 AM	68595
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.024	mg/Kg	1	7/9/2022 8:20:00 AM	68595
Toluene	ND	0.049	mg/Kg	1	7/9/2022 8:20:00 AM	68595
Ethylbenzene	ND	0.049	mg/Kg	1	7/9/2022 8:20:00 AM	68595
Xylenes, Total	ND	0.098	mg/Kg	1	7/9/2022 8:20:00 AM	68595
Surr: 4-Bromofluorobenzene	86.9	70-130	%Rec	1	7/9/2022 8:20:00 AM	68595

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2207065

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-151

 Project:
 Hornbaker BA Battery
 Collection Date: 6/30/2022 10:35:00 AM

 Lab ID:
 2207065-028
 Matrix: SOIL
 Received Date: 7/2/2022 9:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JTT
Chloride	4400	300	mg/Kg	100	7/12/2022 11:25:54 AM	68681
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst	: ED
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	7/8/2022 8:37:41 PM	68624
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	7/8/2022 8:37:41 PM	68624
Surr: DNOP	110	51.1-141	%Rec	1	7/8/2022 8:37:41 PM	68624
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/8/2022 9:15:00 AM	68617
Surr: BFB	91.6	37.7-212	%Rec	1	7/8/2022 9:15:00 AM	68617
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.024	mg/Kg	1	7/8/2022 9:15:00 AM	68617
Toluene	ND	0.048	mg/Kg	1	7/8/2022 9:15:00 AM	68617
Ethylbenzene	ND	0.048	mg/Kg	1	7/8/2022 9:15:00 AM	68617
Xylenes, Total	ND	0.097	mg/Kg	1	7/8/2022 9:15:00 AM	68617
Surr: 4-Bromofluorobenzene	86.4	70-130	%Rec	1	7/8/2022 9:15:00 AM	68617

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2207065

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/14/2022

CLIENT: GHD Midland Client Sample ID: BH-152

 Project:
 Hornbaker BA Battery
 Collection Date: 6/30/2022 10:40:00 AM

 Lab ID:
 2207065-029
 Matrix: SOIL
 Received Date: 7/2/2022 9:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JTT
Chloride	6600	300	mg/Kg	100	7/12/2022 11:38:18 AM	68681
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst	: ED
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	7/8/2022 9:02:23 PM	68624
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	7/8/2022 9:02:23 PM	68624
Surr: DNOP	100	51.1-141	%Rec	1	7/8/2022 9:02:23 PM	68624
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	7/8/2022 10:14:00 AM	68617
Surr: BFB	95.2	37.7-212	%Rec	1	7/8/2022 10:14:00 AM	68617
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.023	mg/Kg	1	7/8/2022 10:14:00 AM	68617
Toluene	ND	0.047	mg/Kg	1	7/8/2022 10:14:00 AM	68617
Ethylbenzene	ND	0.047	mg/Kg	1	7/8/2022 10:14:00 AM	68617
Xylenes, Total	ND	0.094	mg/Kg	1	7/8/2022 10:14:00 AM	68617
Surr: 4-Bromofluorobenzene	88.0	70-130	%Rec	1	7/8/2022 10:14:00 AM	68617

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 **2207065**Date Reported: **7/14/2022**

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH-153

 Project:
 Hornbaker BA Battery
 Collection Date: 6/30/2022 10:45:00 AM

 Lab ID:
 2207065-030
 Matrix: SOIL
 Received Date: 7/2/2022 9:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JTT
Chloride	2100	150	mg/Kg	50	7/12/2022 11:50:43 AM	68681
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	: ED
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/8/2022 9:27:00 PM	68624
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	7/8/2022 9:27:00 PM	68624
Surr: DNOP	115	51.1-141	%Rec	1	7/8/2022 9:27:00 PM	68624
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/8/2022 11:13:00 AM	68617
Surr: BFB	90.1	37.7-212	%Rec	1	7/8/2022 11:13:00 AM	68617
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.024	mg/Kg	1	7/8/2022 11:13:00 AM	68617
Toluene	ND	0.049	mg/Kg	1	7/8/2022 11:13:00 AM	68617
Ethylbenzene	ND	0.049	mg/Kg	1	7/8/2022 11:13:00 AM	68617
Xylenes, Total	ND	0.098	mg/Kg	1	7/8/2022 11:13:00 AM	68617
Surr: 4-Bromofluorobenzene	83.4	70-130	%Rec	1	7/8/2022 11:13:00 AM	68617

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 **2207065**

Hall Environmental Analysis Laboratory, Inc. Date Reported: 7/14/2022

CLIENT: GHD Midland Client Sample ID: BH-154

 Project:
 Hornbaker BA Battery
 Collection Date: 6/30/2022 11:00:00 AM

 Lab ID:
 2207065-031
 Matrix: SOIL
 Received Date: 7/2/2022 9:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JTT
Chloride	7000	300	mg/Kg	100	7/12/2022 12:03:08 PM	68681
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	t: SB
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	7/8/2022 9:48:15 PM	68627
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	7/8/2022 9:48:15 PM	68627
Surr: DNOP	96.5	51.1-141	%Rec	1	7/8/2022 9:48:15 PM	68627
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	7/8/2022 11:32:00 AM	68617
Surr: BFB	86.5	37.7-212	%Rec	1	7/8/2022 11:32:00 AM	68617
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.025	mg/Kg	1	7/8/2022 11:32:00 AM	68617
Toluene	ND	0.050	mg/Kg	1	7/8/2022 11:32:00 AM	68617
Ethylbenzene	ND	0.050	mg/Kg	1	7/8/2022 11:32:00 AM	68617
Xylenes, Total	ND	0.10	mg/Kg	1	7/8/2022 11:32:00 AM	68617
Surr: 4-Bromofluorobenzene	82.8	70-130	%Rec	1	7/8/2022 11:32:00 AM	68617

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 **2207065**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/14/2022

CLIENT: GHD Midland Client Sample ID: BH-155

 Project:
 Hornbaker BA Battery
 Collection Date: 6/30/2022 11:05:00 AM

 Lab ID:
 2207065-032
 Matrix: SOIL
 Received Date: 7/2/2022 9:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JTT
Chloride	11000	300	mg/Kg	100	7/12/2022 12:40:21 PM	68681
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analys	t: SB
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/8/2022 10:30:55 PM	68627
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/8/2022 10:30:55 PM	68627
Surr: DNOP	83.3	51.1-141	%Rec	1	7/8/2022 10:30:55 PM	68627
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/8/2022 11:52:00 AM	68617
Surr: BFB	89.4	37.7-212	%Rec	1	7/8/2022 11:52:00 AM	68617
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.025	mg/Kg	1	7/8/2022 11:52:00 AM	68617
Toluene	ND	0.049	mg/Kg	1	7/8/2022 11:52:00 AM	68617
Ethylbenzene	ND	0.049	mg/Kg	1	7/8/2022 11:52:00 AM	68617
Xylenes, Total	ND	0.099	mg/Kg	1	7/8/2022 11:52:00 AM	68617
Surr: 4-Bromofluorobenzene	84.3	70-130	%Rec	1	7/8/2022 11:52:00 AM	68617

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2207065

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-156

 Project:
 Hornbaker BA Battery
 Collection Date: 6/30/2022 11:10:00 AM

 Lab ID:
 2207065-033
 Matrix: SOIL
 Received Date: 7/2/2022 9:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JTT
Chloride	5700	300	mg/Kg	100	0 7/12/2022 1:17:35 PM	68681
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	t: SB
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	7/8/2022 10:45:08 PM	68627
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	7/8/2022 10:45:08 PM	68627
Surr: DNOP	99.1	51.1-141	%Rec	1	7/8/2022 10:45:08 PM	68627
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/8/2022 12:12:00 PM	68617
Surr: BFB	89.6	37.7-212	%Rec	1	7/8/2022 12:12:00 PM	68617
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.024	mg/Kg	1	7/8/2022 12:12:00 PM	68617
Toluene	ND	0.048	mg/Kg	1	7/8/2022 12:12:00 PM	68617
Ethylbenzene	ND	0.048	mg/Kg	1	7/8/2022 12:12:00 PM	68617
Xylenes, Total	ND	0.095	mg/Kg	1	7/8/2022 12:12:00 PM	68617
Surr: 4-Bromofluorobenzene	85.0	70-130	%Rec	1	7/8/2022 12:12:00 PM	68617

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2207065

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-157

 Project:
 Hornbaker BA Battery
 Collection Date: 6/30/2022 11:15:00 AM

 Lab ID:
 2207065-034
 Matrix: SOIL
 Received Date: 7/2/2022 9:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JTT
Chloride	10000	600	mg/Kg	200	7/12/2022 1:54:49 PM	68681
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	t: SB
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/8/2022 10:59:43 PM	68627
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/8/2022 10:59:43 PM	68627
Surr: DNOP	82.8	51.1-141	%Rec	1	7/8/2022 10:59:43 PM	68627
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/8/2022 12:32:00 PM	68617
Surr: BFB	93.2	37.7-212	%Rec	1	7/8/2022 12:32:00 PM	68617
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.024	mg/Kg	1	7/8/2022 12:32:00 PM	68617
Toluene	ND	0.048	mg/Kg	1	7/8/2022 12:32:00 PM	68617
Ethylbenzene	ND	0.048	mg/Kg	1	7/8/2022 12:32:00 PM	68617
Xylenes, Total	ND	0.096	mg/Kg	1	7/8/2022 12:32:00 PM	68617
Surr: 4-Bromofluorobenzene	85.4	70-130	%Rec	1	7/8/2022 12:32:00 PM	68617

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

Qualifiers:

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

Date Reported: 7/14/2022

Lab Order 2207065

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: SW-14A

 Project:
 Hornbaker BA Battery
 Collection Date: 6/30/2022 11:20:00 AM

 Lab ID:
 2207065-035
 Matrix: SOIL
 Received Date: 7/2/2022 9:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JTT
Chloride	8900	300	mg/Kg	100	7/12/2022 2:07:13 PM	68681
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	t: SB
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/8/2022 11:13:55 PM	68627
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/8/2022 11:13:55 PM	68627
Surr: DNOP	95.4	51.1-141	%Rec	1	7/8/2022 11:13:55 PM	68627
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	7/8/2022 12:52:00 PM	68617
Surr: BFB	90.6	37.7-212	%Rec	1	7/8/2022 12:52:00 PM	68617
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.025	mg/Kg	1	7/8/2022 12:52:00 PM	68617
Toluene	ND	0.050	mg/Kg	1	7/8/2022 12:52:00 PM	68617
Ethylbenzene	ND	0.050	mg/Kg	1	7/8/2022 12:52:00 PM	68617
Xylenes, Total	ND	0.10	mg/Kg	1	7/8/2022 12:52:00 PM	68617
Surr: 4-Bromofluorobenzene	84.1	70-130	%Rec	1	7/8/2022 12:52:00 PM	68617

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

Qualifiers:

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

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Hornbaker BA Battery

2207065-036

Project:

Lab ID:

Analytical Report

Date Reported: 7/14/2022

Lab Order 2207065

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH-20A

Collection Date: 6/30/2022 11:25:00 AM

Received Date: 7/2/2022 9:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	:: JTT
Chloride	4300	150	mg/Kg	50	7/12/2022 2:19:38 PM	68681
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	t: SB
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/8/2022 11:28:07 PM	68627
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/8/2022 11:28:07 PM	68627
Surr: DNOP	101	51.1-141	%Rec	1	7/8/2022 11:28:07 PM	68627
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/8/2022 1:11:00 PM	68617
Surr: BFB	89.8	37.7-212	%Rec	1	7/8/2022 1:11:00 PM	68617
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.025	mg/Kg	1	7/8/2022 1:11:00 PM	68617
Toluene	ND	0.049	mg/Kg	1	7/8/2022 1:11:00 PM	68617
Ethylbenzene	ND	0.049	mg/Kg	1	7/8/2022 1:11:00 PM	68617
Xylenes, Total	ND	0.098	mg/Kg	1	7/8/2022 1:11:00 PM	68617
Surr: 4-Bromofluorobenzene	85.2	70-130	%Rec	1	7/8/2022 1:11:00 PM	68617

Matrix: SOIL

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2207065

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-21A

 Project:
 Hornbaker BA Battery
 Collection Date: 6/30/2022 11:30:00 AM

 Lab ID:
 2207065-037
 Matrix: SOIL
 Received Date: 7/2/2022 9:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JTT
Chloride	8000	300	mg/Kg	100	7/12/2022 2:32:04 PM	68681
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	t: SB
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/8/2022 11:42:24 PM	68627
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/8/2022 11:42:24 PM	68627
Surr: DNOP	102	51.1-141	%Rec	1	7/8/2022 11:42:24 PM	68627
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/8/2022 1:31:00 PM	68617
Surr: BFB	91.0	37.7-212	%Rec	1	7/8/2022 1:31:00 PM	68617
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.024	mg/Kg	1	7/8/2022 1:31:00 PM	68617
Toluene	ND	0.048	mg/Kg	1	7/8/2022 1:31:00 PM	68617
Ethylbenzene	ND	0.048	mg/Kg	1	7/8/2022 1:31:00 PM	68617
Xylenes, Total	ND	0.095	mg/Kg	1	7/8/2022 1:31:00 PM	68617
Surr: 4-Bromofluorobenzene	86.0	70-130	%Rec	1	7/8/2022 1:31:00 PM	68617

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 **2207065**Date Reported: **7/14/2022**

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: SW-38

 Project:
 Hornbaker BA Battery
 Collection Date: 6/30/2022 11:35:00 AM

 Lab ID:
 2207065-038
 Matrix: SOIL
 Received Date: 7/2/2022 9:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	: JTT
Chloride	430	60	mg/Kg	20	7/12/2022 3:09:18 PM	68681
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	: SB
Diesel Range Organics (DRO)	21	14	mg/Kg	1	7/12/2022 11:13:50 AM	68627
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/12/2022 11:13:50 AM	68627
Surr: DNOP	119	51.1-141	%Rec	1	7/12/2022 11:13:50 AM	68627
EPA METHOD 8015D: GASOLINE RANGE					Analys	: RAA
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	7/8/2022 2:11:00 PM	68617
Surr: BFB	88.3	37.7-212	%Rec	1	7/8/2022 2:11:00 PM	68617
EPA METHOD 8021B: VOLATILES					Analys	: RAA
Benzene	ND	0.023	mg/Kg	1	7/8/2022 2:11:00 PM	68617
Toluene	ND	0.047	mg/Kg	1	7/8/2022 2:11:00 PM	68617
Ethylbenzene	ND	0.047	mg/Kg	1	7/8/2022 2:11:00 PM	68617
Xylenes, Total	ND	0.093	mg/Kg	1	7/8/2022 2:11:00 PM	68617
Surr: 4-Bromofluorobenzene	83.7	70-130	%Rec	1	7/8/2022 2:11:00 PM	68617

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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 2207065

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-39

 Project:
 Hornbaker BA Battery
 Collection Date: 6/30/2022 11:40:00 AM

 Lab ID:
 2207065-039
 Matrix: SOIL
 Received Date: 7/2/2022 9:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	:: JTT
Chloride	1700	60	mg/Kg	20	7/12/2022 3:21:43 PM	68681
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	: SB
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/9/2022 12:10:39 AM	68627
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	7/9/2022 12:10:39 AM	68627
Surr: DNOP	88.2	51.1-141	%Rec	1	7/9/2022 12:10:39 AM	68627
EPA METHOD 8015D: GASOLINE RANGE					Analys	: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/8/2022 2:31:00 PM	68617
Surr: BFB	89.0	37.7-212	%Rec	1	7/8/2022 2:31:00 PM	68617
EPA METHOD 8021B: VOLATILES					Analys	: RAA
Benzene	ND	0.025	mg/Kg	1	7/8/2022 2:31:00 PM	68617
Toluene	ND	0.049	mg/Kg	1	7/8/2022 2:31:00 PM	68617
Ethylbenzene	ND	0.049	mg/Kg	1	7/8/2022 2:31:00 PM	68617
Xylenes, Total	ND	0.099	mg/Kg	1	7/8/2022 2:31:00 PM	68617
Surr: 4-Bromofluorobenzene	83.8	70-130	%Rec	1	7/8/2022 2:31:00 PM	68617

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated 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#: **2207065**

Qual

14-Jul-22

Client: GHD Midland
Project: Hornbaker BA Battery

Sample ID: MB-68665 SampType: mblk TestCode: EPA Methoc

Sample ID: MB-68665 SampType: mblk TestCode: EPA Method 300.0: Anions
Client ID: PBS Batch ID: 68665 RunNo: 89355

Prep Date: 7/10/2022 Analysis Date: 7/10/2022 SeqNo: 3178542 Units: mq/Kq

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

Chloride ND 1.5

 Sample ID:
 LCS-68665
 SampType: Ics
 TestCode:
 EPA Method 300.0: Anions

 Client ID:
 LCSS
 Batch ID:
 68665
 RunNo:
 89355

 Prep Date:
 7/10/2022
 Analysis Date:
 7/10/2022
 SeqNo:
 3178543
 Units:
 mg/Kg

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

 Chloride
 14
 1.5
 15.00
 0
 93.3
 90
 110

Sample ID: MB-68676 SampType: mblk TestCode: EPA Method 300.0: Anions Client ID: **PBS** Batch ID: 68676 RunNo: 89392 Analysis Date: 7/11/2022 Prep Date: 7/11/2022 SeqNo: 3180019 Units: mg/Kg Result POI SPK value SPK Ref Val %REC %RPD **RPDLimit** Qual Analyte I owl imit HighLimit

Chloride ND 1.5

 Sample ID:
 LCS-68676
 SampType:
 Ics
 TestCode:
 EPA Method 300.0:
 Anions

 Client ID:
 LCSS
 Batch ID:
 68676
 RunNo:
 89392

 Prep Date:
 7/11/2022
 Analysis Date:
 7/11/2022
 SeqNo:
 3180020
 Units:
 mg/Kg

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

 Chloride
 14
 1.5
 15.00
 0
 91.4
 90
 110

 Sample ID: MB-68681
 SampType: mblk
 TestCode: EPA Method 300.0: Anions

 Client ID:
 PBS
 Batch ID:
 68681
 RunNo:
 89394

 Prep Date:
 7/11/2022
 Analysis Date:
 7/11/2022
 SeqNo:
 3180120
 Units:
 mg/Kg

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

Chloride ND 1.5

1101100

Sample ID: LCS-68681 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 68681 RunNo: 89394

Prep Date: 7/11/2022 Analysis Date: 7/11/2022 SeqNo: 3180121 Units: mg/Kg

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

Qualifiers:

- Value exceeds Maximum Contaminant 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#: 2207065

14-Jul-22

Client: GHD Midland Project. Hornbaker BA Battery

Project: Hornbak	ker BA Battery		
Sample ID: MB-68588	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 68588	RunNo: 89303	
Prep Date: 7/6/2022	Analysis Date: 7/7/2022	SeqNo: 3176047	Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	ND 15		
Motor Oil Range Organics (MRO)	ND 50		
Surr: DNOP	9.4 10.00	93.7 51.1	141
Sample ID: LCS-68588	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 68588	RunNo: 89304	
Prep Date: 7/6/2022	Analysis Date: 7/7/2022	SeqNo: 3176079	Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	41 15 50.00	0 82.0 64.4	127
Surr: DNOP	4.3 5.000	86.2 51.1	141
Sample ID: MB-68588	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 68588	RunNo: 89304	
Prep Date: 7/6/2022	Analysis Date: 7/7/2022	SeqNo: 3176080	Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	ND 15		
Motor Oil Range Organics (MRO)	ND 50		
Surr: DNOP	8.7 10.00	87.1 51.1	141
Sample ID: MB-68588	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 68588	RunNo: 89260	
Prep Date: 7/6/2022	Analysis Date: 7/8/2022	SeqNo: 3178991	Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	ND 15		
Motor Oil Range Organics (MRO)	ND 50		
Surr: DNOP	10 10.00	100 51.1	141
Sample ID: MB-68601	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 68601	RunNo: 89260	
Prep Date: 7/6/2022	Analysis Date: 7/9/2022	SeqNo: 3179022	Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	ND 15		

Qualifiers:

Surr: DNOP

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

Motor Oil Range Organics (MRO)

- 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

ND

11

50

10.00

Analyte detected in the associated Method Blank

112

51.1

141

- Estimated value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2207065 14-Jul-22**

Client: GHD Midland
Project: Hornbaker BA Battery

Sample ID: LCS-68601					TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: LCSS	Batcl	Batch ID: 68601			RunNo: 8					
Prep Date: 7/6/2022	Analysis [Date: 7/9	9/2022	9	SeqNo: 3	179023	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	15	50.00	0	97.4	64.4	127			
Surr: DNOP	4.5		5.000		89.7	51.1	141			

Sample ID: 2207065-011AMS	Samp1	ype: MS	5	Tes	tCode: EF	PA Method	8015M/D: Diesel Range Organics					
Client ID: BH-134	Batcl	n ID: 68 6	624	F	RunNo: 8	9373						
Prep Date: 7/7/2022	Analysis D	Date: 7/	8/2022	SeqNo: 3179274 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Diesel Range Organics (DRO)	49	15	48.59	0	101	36.1	154					
Surr: DNOP	5.3		4 859		110	51.1	141					

Sample ID:	2207065-011AMSD	SampT	ype: MS	SD .	Tes	tCode: EF	PA Method	8015M/D: Die	015M/D: Diesel Range Organics				
Client ID:	BH-134	Batch	ID: 686	524	F	RunNo: 89	9373						
Prep Date:	7/7/2022	Analysis D	ate: 7/8	8/2022	9	SeqNo: 31	179275	Units: mg/K	g				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Diesel Range (Organics (DRO)	47	15	49.07	0	96.4	36.1	154	3.90	33.9			
Surr: DNOP		5.1		4.907		105	51.1	141	0	0			

Sample ID: LCS-68624	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Range Organics						
Client ID: LCSS	ID: LCSS Batch ID: 68624				RunNo: 8	9373						
Prep Date: 7/7/2022	Analysis D)ate: 7/ 3	8/2022	SeqNo: 3179295			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Diesel Range Organics (DRO)	45	15	50.00	0	89.1	64.4	127					
Surr: DNOP	4.7		5.000		95.0	51.1	141					

Sample ID: MB-68624	SampT	ype: MB	BLK	Tes	tCode: EF	PA Method	Method 8015M/D: Diesel Range Organics					
Client ID: PBS	Batch	1D: 686	524	F	RunNo: 89	9373						
Prep Date: 7/7/2022	Analysis D	ate: 7/8	8/2022	5	SeqNo: 31	179296	Units: mg/K	g				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Diesel Range Organics (DRO)	ND	15								,		
Motor Oil Range Organics (MRO)	ND	50										
Surr: DNOP	10		10.00		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.

SampType: MS

WO#: **2207065 14-Jul-22**

Client: GHD Midland

Sample ID: 2207065-031AMS

Project: Hornbaker BA Battery

,	•	,,							3	
Client ID: BH-154	Batc	h ID: 68	627	F	RunNo: 8	9385				
Prep Date: 7/7/2022	Analysis [Date: 7/	8/2022	5	SeqNo: 3	179940	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	40	14	46.38	0	87.1	36.1	154			
Surr: DNOP	3.8		4.638		82.0	51.1	141			
Sample ID: 2207065-031AMS	SD Samp	Гуре: М	SD	Tes	tCode: El	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: BH-154	Batc	h ID: 68	627	F	RunNo: 8	9385				
Prep Date: 7/7/2022	Analysis [Date: 7/	8/2022	5	SeqNo: 3	179941	Units: mg/K	ζg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	15	48.88	0	97.7	36.1	154	16.7	33.9	
Surr: DNOP	4.9		4.888		99.4	51.1	141	0	0	
Sample ID: MB-68627	Samp ¹	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: PBS	Batc	h ID: 68	627	F	RunNo: 8	9385				
Prep Date: 7/7/2022	Analysis [Date: 7/	8/2022	5	SeqNo: 3	179984	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		102	51.1	141			
Sample ID: LCS-68627	Samp	Гуре: LC	:s	Tes	stCode: El	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: LCSS	Batc	h ID: 68	627	F	RunNo: 8	9385				

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

Client ID: LCSS	Batch	ID: 686	:27	RunNo: 89385				J	Ū	
Prep Date: 7/7/2022	Analysis D				SeqNo: 31		Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	15	50.00	0	98.5	64.4	127			
Surr: DNOP	4.6		5.000		92.4	51.1	141			

Sample ID: MB-68675	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 68675	RunNo: 89401
Prep Date: 7/11/2022	Analysis Date: 7/12/2022	SeqNo: 3180414 Units: %Rec
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: DNOP	9.6 10.00	96.2 51.1 141

Sample ID: LCS-68675	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 68675	RunNo: 89401
Prep Date: 7/11/2022	Analysis Date: 7/12/2022	SeqNo: 3180415 Units: %Rec
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Qualifiers:

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

2207065 14-Jul-22

WO#:

Client: GHD Midland

Project: Hornbaker BA Battery

Sample ID: LCS-68675 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: LCSS Batch ID: 68675 RunNo: 89401

Prep Date: 7/11/2022 Analysis Date: 7/12/2022 SeqNo: 3180415 Units: %Rec

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

Surr: DNOP 4.8 5.000 96.3 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.

SampType: MBLK

Analysis Date: 7/7/2022

ND

920

PQL

5.0

WO#: **2207065**

14-Jul-22

Client: GHD Midland

Sample ID: mb-68595

Project: Hornbaker BA Battery

Client ID: PBS	Batch ID:	68595	F	RunNo: 89	311				
Prep Date: 7/6/2022	Analysis Date:	7/7/2022	S	SeqNo: 31	76196	Units: mg/K	g		
Analyte	Result P	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0							
Surr: BFB	920	1000		92.1	37.7	212			
Sample ID: Ics-68595	SampType	: LCS	Tes	tCode: EF	A Method	8015D: Gasol	ine Range	,	
Client ID: LCSS	Batch ID:	68595	F	RunNo: 89	311				
Prep Date: 7/6/2022	Analysis Date:	7/7/2022	5	SeqNo: 31	76197	Units: mg/K	g		
Analyte	Result P	QL 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			
Surr: BFB	2200	1000		215	37.7	212			S
Sample ID: Ics-68585	SampType	: LCS	Tes	tCode: EF	A Method	8015D: Gasol	ine Range	•	
Client ID: LCSS	Batch ID:	68585	F	RunNo: 89	331				
Prep Date: 7/6/2022	Analysis Date:	7/7/2022	9	SeqNo: 31	77230	Units: mg/K	g		
Analyte	Result P	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0 25.00	0	104	72.3	137			
Surr: BFB	2100	1000		205	37.7	212			
Sample ID: mb-68585	SampType	: MBLK	Tes	tCode: EF	PA Method	8015D: Gasol	ine Range)	_
Client ID: PBS	Batch ID:	: 68585	F	RunNo: 89	331				

TestCode: EPA Method 8015D: Gasoline Range

Sample ID: Ics-68617	SampT	ype: LC	s	TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch	n ID: 686	517	F	RunNo: 89348						
Prep Date: 7/7/2022	Analysis D	oate: 7/8	3/2022	9	SeqNo: 31	178120	Units: mg/K	g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	23	5.0	25.00	0	93.4	72.3	137				
Surr: BFB	1900		1000		190	37.7	212				

SPK value SPK Ref Val

1000

Sample ID: mb-68617	SampType: MBLK	TestCode: EPA Method 8015D:	Gasoline Range
Client ID: PBS	Batch ID: 68617	RunNo: 89348	
Prep Date: 7/7/2022	Analysis Date: 7/8/2022	SeqNo: 3178121 Units:	mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighL	Limit %RPD RPDLimit Qual

Qualifiers:

Prep Date:

Surr: BFB

7/6/2022

Gasoline Range Organics (GRO)

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

SeqNo: 3177231

%REC

92.2

Units: mg/Kg

212

HighLimit

37.7

%RPD

RPDLimit

Qual

- 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#: **2207065**

14-Jul-22

Client: GHD Midland

Project: Hornbaker BA Battery

Sample ID: mb-68617 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range PBS Client ID: Batch ID: 68617 RunNo: 89348 Prep Date: 7/7/2022 Analysis Date: 7/8/2022 SeqNo: 3178121 Units: mq/Kq SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte Result PQL LowLimit Qual Gasoline Range Organics (GRO) ND 5.0 Surr: BFB 900 1000 90.2 37.7 212

Sample ID: 2207065-028ams SampType: MS TestCode: EPA Method 8015D: Gasoline Range

Client ID: **BH-151** Batch ID: **68617** RunNo: **89348**

Prep Date: 7/7/2022 Analysis Date: 7/8/2022 SeqNo: 3178123 Units: mg/Kg

Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 28 4.9 24.68 0 115 70 Surr: BFB 2200 987.2 219 37.7 212 S

Sample ID: 2207065-028amsd SampType: MSD TestCode: EPA Method 8015D: Gasoline Range Client ID: BH-151 Batch ID: 68617 RunNo: 89348 Prep Date: 7/7/2022 Analysis Date: 7/8/2022 SeqNo: 3178124 Units: mg/Kg %RPD **RPDLimit** SPK value SPK Ref Val %REC LowLimit HighLimit Qual Analyte Result POI Gasoline Range Organics (GRO) 30 4.9 24.46 0 122 70 130 4.76 20

Surr: BFB 2200 978.5 223 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#: **2207065**

14-Jul-22

Client: GHD Midland

Project: Hornbaker BA Battery

Sample ID: mb-68595	Samp	Гуре: МЕ	BLK	Tes						
Client ID: PBS	Batc	h ID: 685	595	F	RunNo: 89	9311				
Prep Date: 7/6/2022	Analysis [Date: 7/ 7	7/2022	5	SeqNo: 31	176237	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	0.99		1.000		99.0	70	130			

Sample ID: LCS-68595	Samp	pType: LCS TestCode: EPA Method 8021B: Volatiles										
Client ID: LCSS	Batc	h ID: 685	595	RunNo: 89311								
Prep Date: 7/6/2022	Analysis [Date: 7/ 7	7/2022	SeqNo: 3176238 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	0.98	0.025	1.000	0	97.7	80	120					
Toluene	1.0	0.050	1.000	0	101	80	120					
Ethylbenzene	1.0	0.050	1.000	0	100	80	120					
Xylenes, Total	3.1	0.10	3.000	0	102	80	120					
Surr: 4-Bromofluorobenzene	1.0		1.000		100	70	130					

Sample ID: 2207065-011ams	s Samp	SampType: MS TestCode: EPA Method 8021B: Volatiles									
Client ID: BH-134	Bato	h ID: 68	595	RunNo: 89311							
Prep Date: 7/6/2022	Analysis I	Date: 7/	8/2022								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	1.0	0.025	0.9843	0	105	68.8	120				
Toluene	1.1	0.049	0.9843	0	112	73.6	124				
Ethylbenzene	1.1	0.049	0.9843	0	114	72.7	129				
Xylenes, Total	3.4	0.098	2.953	0	114	75.7	126				
Surr: 4-Bromofluorobenzene	0.97		0.9843		98.9	70	130				

Sample ID: 2207065-011amsd	SampT	SampType: MSD TestCode: EPA Method 8021B: Volatiles										
Client ID: BH-134	Batch	n ID: 685	95	F	RunNo: 89	9311						
Prep Date: 7/6/2022	Analysis D	Date: 7/8	3/2022	O22 SeqNo: 3176241 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	1.1	0.025	0.9940	0	112	68.8	120	7.23	20			
Toluene	1.2	0.050	0.9940	0	118	73.6	124	6.29	20			
Ethylbenzene	1.2	0.050	0.9940	0	121	72.7	129	7.56	20			
Xylenes, Total	3.6	0.099	2.982	0	121	75.7	126	7.00	20			
Surr: 4-Bromofluorobenzene	0.99		0.9940		99.8	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
- B Analyte detected in the associated 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#: **2207065**

14-Jul-22

Client: GHD Midland

Project: Hornbaker BA Battery

Sample ID: Ics-68585	SampT	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch	n ID: 685	85 RunNo: 89331							
Prep Date: 7/6/2022	Analysis D	oate: 7/7	7/2022	SeqNo: 3177306 Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	90.6	80	120			
Toluene	0.92	0.050	1.000	0	92.3	80	120			
Ethylbenzene	0.91	0.050	1.000	0	91.5	80	120			
Xylenes, Total	2.7	0.10	3.000	0	91.1	80	120			
Surr: 4-Bromofluorobenzene	0.87		1.000		87.0	70	130			

Sample ID: mb-68585	Samp1	уре: МЕ	BLK	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: PBS	Batcl	n ID: 685	585	F	RunNo: 89	9331				
Prep Date: 7/6/2022	Analysis D	Date: 7/ 7	7/2022	5	SeqNo: 3	177307	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		87.0	70	130			

Sample ID: Ics-68617	Samp	Type: LC :	S	Tes	tCode: EF	A Method	8021B: Volati	les		
Client ID: LCSS	Batcl	h ID: 686	617	F	RunNo: 89	348				
Prep Date: 7/7/2022	Analysis [Date: 7/8	3/2022	5	SeqNo: 31	78181	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	91.0	80	120			
Toluene	0.93	0.050	1.000	0	92.6	80	120			
Ethylbenzene	0.92	0.050	1.000	0	91.7	80	120			
Xylenes, Total	2.7	0.10	3.000	0	90.8	80	120			
Surr: 4-Bromofluorobenzene	0.85		1.000		85.2	70	130			

Sample ID: mb-68617	SampT	уре: МЕ	BLK	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: PBS	Batch	n ID: 686	617	F	RunNo: 89	9348				
Prep Date: 7/7/2022	Analysis D	oate: 7/8	8/2022	9	SeqNo: 31	178182	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	0.86		1.000		85.6	70	130			

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2207065**

14-Jul-22

Client: GHD Midland

Project: Hornbaker BA Battery

Sample ID: 2207065-029ams	Samp	Гуре: МЅ	;	Tes	tCode: EF	les				
Client ID: BH-152	Batc	h ID: 686	617	F	RunNo: 89					
Prep Date: 7/7/2022	Analysis [Date: 7/8	8/2022	9	SeqNo: 31	178185	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.024	0.9643	0	104	68.8	120			
Toluene	1.0	0.048	0.9643	0	107	73.6	124			
Ethylbenzene	1.0	0.048	0.9643	0	108	72.7	129			
Xylenes, Total	3.1	0.096	2.893	0	107	75.7	126			
Surr: 4-Bromofluorobenzene	0.82		0.9643		85.5	70	130			

Sample ID: 2207065-029amsd	Samp ⁻	Гуре: МЅ	SD.	Tes						
Client ID: BH-152	Batc	h ID: 686	617	F	RunNo: 89					
Prep Date: 7/7/2022	Analysis [Date: 7/8	8/2022	9	SeqNo: 3178186 Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.024	0.9625	0	101	68.8	120	2.91	20	
Toluene	1.0	0.048	0.9625	0	105	73.6	124	1.81	20	
Ethylbenzene	1.0	0.048	0.9625	0	106	72.7	129	2.23	20	
Xylenes, Total	3.0	0.096	2.887	0	105	75.7	126	2.13	20	
Surr: 4-Bromofluorobenzene	0.82		0.9625		84.7	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 Midla	and	Work	Order Numb	er: 2207065		RcptNo	o: 1
Received By:	Andy Fre	eman	7/2/202	22 9:30:00 AM	И	andyl		
Completed By:	Sean Liv	ingston	7/5/202	22 8:15:11 AM	Л	andyl S_/	, , m =/	
Reviewed By:	11 7.	5-22					781-	
Chain of Cus	stody							
1. Is Chain of C		plete?			Yes 🗸	No 🗌	Not Present	
2. How was the	sample deli	vered?			Courier			
Log In 3. Was an atter	nnt made to	coal the comm	lee?		v 🗔	🗆	\square	
o. Was an atter	inpi made to	coor the samp	162 /		Yes 🗸	No 🗌	NA 🗌	
4. Were all sam	ples received	d at a tempera	ture of >0° C	to 6.0°C	Yes 🗸	No 🗌	NA 🗆	
5. Sample(s) in	proper conta	ainer(s)?			Yes 🗸	No 🗌		
6. Sufficient san	anle volume i	for indicated to	-at/a\2		Yes 🗸			
7. Are samples				-40	_	No ∐		
8. Was preserva			perly preserve	eu r	Yes 🔽	No □ No ☑		
0. 1140 p.000,110	vo adaca k	o botties:			Yes 📙	INO 💌	NA 🗌	
9. Received at le	east 1 vial wit	th headspace	<1/4" for AQ \	OA?	Yes	No 🗌	NA 🗸	
10. Were any sar	mple contain	ers received b	roken?		Yes	No 🗸	# - 6	
11. Does paperwo					Yes 🗸	No 🗆	# of preserved bottles checked for pH:	
(Note discrepa			85			🗆	(<2 o	r >12 unless noted)
Are matrices of the second of the se					Yes 🗸	No □ No □	Adjusted	
4. Were all holdi					Yes 🗹	No 🗆	Checked by:	m 7/4/02
(If no, notify c	ustomer for a	authorization.)				6		115176
Special Handl	ing (if app	olicable)						
15. Was client no			vith this order?	,	Yes	No 🗌	NA 🗹	
Person	Notified:			Date:				
By Who	om:			Via:	eMail	Phone Fax	In Person	
Regard	ing:			THURSDAY AND MARKET				
Client In	nstructions:							
16. Additional re	marks:							_
17. <u>Cooler Infor</u>	<u>mati</u> on							
Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By		
1	4.5	Good	Anna anna anna anna anna anna anna anna					
2	3.6	Good						

	KETS I ABODATODY	.	37109	Tel. 505-345-3975 Fax 505-345-4107	Analysis Request	(tr	NBC	9d 9d 08	8082 (1.4 (2.2) (2.2)	SRCO OO od S1i S1i S1i S1i	astidethorsestion of the section of	BTEX / TPH:80 8081 Pd EDB (W RCRA 8 8260 (V S270 (S Total Cc	2											4	Remarks: Please email: Chase_Settle@eogresources.com;	i oin. Laison iegna. com, Zach. Cominolegna. com Matthew I anahlin@ahd com.	with Becky	Haskell listed above.	If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.	
Turn-Around Time:	A Standard Rush S-La		Holyspacker BA Batter		1728980		70	I om Larson	r: Zach Comino	ON TO	116-0,1= 7.5	Cooler Temp(including cF): $3.7 - 0.7 = 3.6$	Container Preservative HEAL No.	J 500	200	.50) j	4.00	P.O.	014	070	221	210	ಬಂ		Via: Date T	22/31, 25	L ;	All 7/2/22 6935	ntracted to other accredited laboratories. This serves as notice of this po
hain-of-Custody Record	Client: GHD		Mailing Address:	324 W. Main St. Suite 108, Artesia NM 88210	Phone #: (505)377-4218	email or Fax#: Becky. Haskell@ghd.com	age:	☐ Standard ☐ Level 4 (Full Validation)	☐ Az Compliance				Date Time Matrix Sample Name	State 090 S RH-136	15H-137	0920 BH-138	10/25 BH-131		0935 RH-141	241- HB 0260	OTT BH-K	1000 KM.144	1005 1311-145	21-H8 OID	1016 中 1814-14至7	Time: Relinquished by:	on OBCO Lea Columno //	Time: Relinquished by:	1/12 (900 Occ	If necessary, samples submitted to Hall Erivironmental may be subco

		ANALISIS LABORALORY	www.nailenvironmental.com		Inal	(1	SV	Od.	(1) (O ₂ ,	3 10 3 10 6 (A)	O P	etho Me r, M (AC)	EDB (M EDB (M PAHs by SCRA 8 SCRA 8 SCRO (V SCRO (SCRA 8 SCRO (SC	B B B					7						5	Remarks: Please email: Chase_Settle@eogresources.com;	Iom.Larson@ghd.com; Zach.Comino@ghd.com	Amber_Griffin@eogresources.com: Along with Becky		
	\$-15°		Settler 4901	Tel			NRC	10	8M.	/ 03	RĐ) <u>ası</u>	HEAL NO.	4		410	823	978	020	03(269	633	750	035	250				240 - 11	 I his serves as notice of this possibility. Any
Turn-Around Time:	A Standard Rush	Project Name:	Hornbaker BA		1728985	Project Manager:	Becky Haskell	Tom Larson	Sampler: Zach Comino	X Yes	# of Coolers;	Cooler Temp(including cF);	Container Preservative Type and # Type	7 77												Received by: Via:	JURTHANN	Received by: Via:		Alfacteo to omeracceomed raporatones
Chain-of-Custody Record			Mailing Address:	324 W. Main St. Suite 108, Artesia NM 88210	Phone #: (505)377-4218	email or Fax#: Becky.Haskell@ghd.com	ige:	☐ Standard ☐ Level 4 (Full Validation)	on: Az Compliance	NELAC 🗆 Other	□ EDD (Type)		Matrix Sample Name	CC3022 1720 S BH-148	RES 1 BA-149	100 BH-150	1055 RH-157	1040 BH-152	10+K BH-153	100 BH-154	11.05 13/1-155	1110 DA-156	MS BL-IS	1120 SW 14A	1125 T BH-2014	Time: Relinquished by:	a coco La Commo // ()	Relinquished by:	- €	ון והפכספתו או פפוניוניים בכניים ביותו ביותו מווים ווופא מפ פחימים

	THEORY BILLY FOO CLOSE OF THE	Direct Dill to E O O Diase Dettie	Any sub-contracted data will be clearly notated on the analytical report
` .		aboratories This serves as assistance as the section of	The serves as notice of this possibility
		IVIDAM mental may be subcontracted to other accredited	
	I heracean complex cultified to Linii	יו יוספספולי פפונילוכס פחקווונפת וח ושוו בו	

Relinquished by:

Time:

0

Time:

300

Phone #:

QA/QC Package:

□ Standard

email or Fax#:

Mailing Address:

Client: GHD

□ Other

□ NELAC

Accreditation:

EDD (Type)

Matrix

Time

N N

15057 15077 Date

25

Attachment B Photographic Log







EOG Hornbaker BA Battery ReleaseSite.







EOG Hornbaker BA Battery ReleaseSite.







EOG Hornbaker BA Battery ReleaseSite.







EOG Hornbaker BA Battery ReleaseSite.







EOG Hornbaker BA Battery ReleaseSite.







EOG Hornbaker BA Battery ReleaseSite.







EOG Hornbaker BA Battery ReleaseSite.

Attachment C Sampling Notifications

From: Amber Griffin <Amber_Griffin@eogresources.com>

Sent: Thursday, May 5, 2022 9:21 AM Becky Haskell; Zach Comino

Cc: Chase Settle

Subject: FW: Hornbaker BA Battery (nAPP2115335335) Sampling Notification

Thank you, Amber Griffin

From: Tina Huerta <Tina_Huerta@eogresources.com>

Sent: Thursday, May 5, 2022 8:19 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: Hornbaker BA Battery (nAPP2115335335) Sampling Notification

Good Morning,

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

Hornbaker BA Battery G-25-18S-25E; Eddy County, NM nAPP2115335335

Sampling will begin at 8:00 a.m. on Wednesday, May 11, 2022.

Thank you,

Tina Huerta

Regulatory Specialist

Direct: 575.748.4168
Cell: 575.703.3121

Email: tina huerta@eogresources.com

eog resources

Artesia Division

From: Amber Griffin < Amber_Griffin@eogresources.com>

Sent: Wednesday, May 11, 2022 5:00 PM **To:** Becky Haskell; Zach Comino

Cc: Chase Settle

Subject: FW: Hornbaker BA Battery (nAPP2115335335) Sampling Notification

Thank you, Amber Griffin

From: Miriam Morales < Miriam_Morales@eogresources.com>

Sent: Wednesday, May 11, 2022 3:49 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: Hornbaker BA Battery (nAPP2115335335) Sampling Notification

Good afternoon,

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

Hornbaker BA Battery G-25-18S-25E; Eddy County, NM nAPP2115335335

Sampling will begin at 10:00 a.m. on Monday, May 16, 2022.

Thank you,

Miriam Morales

From: Amber Griffin <Amber_Griffin@eogresources.com>

Sent: Thursday, June 9, 2022 2:43 PM **To:** Becky Haskell; Zach Comino

Subject: FW: Hornbaker BA Battery (nAPP2115335335) Sampling

Thank you, Amber Griffin

From: Tina Huerta <Tina_Huerta@eogresources.com>

Sent: Thursday, June 9, 2022 10:06 AM

To: Jennifer Nobui <Jennifer.Nobui@state.nm.us>; Jocelyn Harimon <Jocelyn.Harimon@state.nm.us>; Mike Bratcher

<mike.bratcher@state.nm.us>; Robert Hamlet <Robert.Hamlet@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: Hornbaker BA Battery (nAPP2115335335) Sampling

Good Morning,

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

Hornbaker BA Battery G-25-18S-25E; Eddy County, NM nAPP2115335335

Sampling will begin at 8:00 a.m. on Tuesday, June 14, 2022.

Thank you,

Tina Hverta Regulatory Specialist Direct: 575.748.4168

Cell: 575.703.3121

Email: tina huerta@eogresources.com



Artesia Division

From: Chase Settle < Chase_Settle@eogresources.com>

Sent: Tuesday, July 5, 2022 1:26 PM **To:** Becky Haskell; Zach Comino

Subject: FW: Hornbaker BA Battery (nAPP2115335335) Sampling Notification

From: Tina Huerta <Tina_Huerta@eogresources.com>

Sent: Thursday, June 30, 2022 7:01 AM

To: Jennifer Nobui < Jennifer.Nobui@state.nm.us>; Jocelyn Harimon < Jocelyn.Harimon@state.nm.us>; Mike Bratcher

<mike.bratcher@state.nm.us>; Robert Hamlet <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: Hornbaker BA Battery (nAPP2115335335) Sampling Notification

Good Morning,

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

Hornbaker BA Battery G-25-18S-25E Eddy County, NM nAPP2115335335

Sampling will begin at 8:00 a.m. on Tuesday, July 5, 2022 and continue through Friday, July 8, 2022.

Thank you,

Tina Huerta

Regulatory Specialist

Direct. 575.748.4168

Cell: 575.703.3121

Email: tina huerta@eogresources.com

eog resources

Artesia Division

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 143920

CONDITIONS

Operator:	OGRID:
EOG RESOURCES INC	7377
P.O. Box 2267	Action Number:
Midland, TX 79702	143920
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	9/20/2022