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	nAPP2125655405
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

		Resources, Inc	Э.	OGRID 7			
Contact Nam	^{ne} Chase \$	Settle		Contact T	Telephone 575-748-1471		
		Settle@eogre	sources.com		[#] nAPP2125655405		
Contact mail	ing address	104 S. 4th Str	eet, Artesia, N				
				of Release S	Source		
Latitude 32	2.7207794		(NAD 83 in dec	Longitude	e104.4318771 cimal places)		
Site Name H	ornbaker E	BA #2		Site Type	[≈] Well Pad		
Date Release		9/10/2021		API# 30-	-015-20592		
Unit Letter	Section	Township	Range	Cou	untv		
Н							
Surface Owner		l(s) Released (Select a	ll that apply and attach	l Volume of			
Crude Oil	[ed (bbls) Unknov		Volume Recovered (bbls) 0		
✓ Produced	Water	Volume Release	ed (bbls) Unknow	n	Volume Recovered (bbls) 0		
		Is the concentration produced water	tion of dissolved cl >10,000 mg/l?	hloride in the	✓ Yes □ No		
Condensa	ite	Volume Release	ed (bbls)		Volume Recovered (bbls)		
Natural G	ias	Volume Release	ed (Mcf)		Volume Recovered (Mcf)		
Other (de	,		Released (provide	,	Volume/Weight Recovered (provide units)		
Cause of Rel	invest	elease date a tigate the site	nd volume is to determined ba	inknown, the cased that the	e wellhead during the reclamation activities environmental consultant contracted to release most likely crossed the reportable and size of the impacted area.		

Page 2 of 93

Incident ID	nAPP2125655405
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the respon	sible party consider this a major release?
☐ Yes ☑ No		
If YES, was immediate no	otice given to the OCD? By whom? To wh	om? When and by what means (phone, email, etc)?
	Initial Re	esponse
The responsible	party must undertake the following actions immediatel	y unless they could create a safety hazard that would result in injury
☐ The source of the rele	ease has been stopped.	
☑ The impacted area ha	s been secured to protect human health and	the environment.
Released materials ha	ave been contained via the use of berms or d	ikes, absorbent pads, or other containment devices.
All free liquids and re	ecoverable materials have been removed and	l managed appropriately.
If all the actions described	d above have <u>not</u> been undertaken, explain v	vhy:
Dog 10 15 20 9 D (4) NIM	IAC the regnensible porty may commence w	emediation immediately after discovery of a release. If remediation
has begun, please attach	a narrative of actions to date. If remedial	efforts have been successfully completed or if the release occurred lease attach all information needed for closure evaluation.
		pest of my knowledge and understand that pursuant to OCD rules and
		fications and perform corrective actions for releases which may endanger CD does not relieve the operator of liability should their operations have
		at to groundwater, surface water, human health or the environment. In responsibility for compliance with any other federal, state, or local laws
and/or regulations.	Tu e 111 report does not reneve the operator of	esponsionity for compliance with any other redeful, state, or rocal laws
Printed Name: Chase		Title: Rep Safety & Environmental Sr
Signature: Than	Pettle	Date: 09/13/2021
email: Chase_Settle	@eogresources.com	Telephone: 575-748-1471
		-
OCD Only		
Received by: Ramona	Marcus	Date: 9/13/2021

	Page 3 of 9	13
Incident ID	nAPP2125655405	
District RP		
Facility ID		
Application ID		

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	>100 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☑ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☑ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☑ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☑ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☑ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☑ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☑ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☑ No
Did the release impact areas not on an exploration, development, production, or storage site?	✓ Yes ☐ No
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vercontamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil
Characterization Report Checklist: Each of the following items must be included in the report.	
 ✓ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring well Field data ✓ Data table of soil contaminant concentration data ✓ Depth to water determination ✓ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release ✓ Boring or excavation logs ✓ Photographs including date and GIS information ✓ Topographic/Aerial maps ✓ Laboratory data including chain of custody 	ls.

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.

Received by OCD: 2/1/2022 4:30:13 PM State of New Mexico
Page 4
Oil Conservation Division

	Page 4 o	f 93
Incident ID	nAPP2125655405	
District RP		
Facility ID		

Application ID

	Page 5 of	93
Incident ID	nAPP2125655405	
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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 19.15.29.1 ✓ Proposed schedule for remediation (note if remediation plan time) 	2(C)(4) NMAC
Deferral Requests Only: Each of the following items must be con-	firmed as part of any request for deferral of remediation.
Contamination must be in areas immediately under or around predeconstruction.	oduction equipment where remediation could cause a major facility
Extents of contamination must be fully delineated.	
Contamination does not cause an imminent risk to human health	, the environment, or groundwater.
I hereby certify that the information given above is true and complet rules and regulations all operators are required to report and/or file c which may endanger public health or the environment. The acceptant liability should their operations have failed to adequately investigate surface water, human health or the environment. In addition, OCD a responsibility for compliance with any other federal, state, or local lates.	ertain release notifications and perform corrective actions for releases are of a C-141 report by the OCD does not relieve the operator of and remediate contamination that pose a threat to groundwater, acceptance of a C-141 report does not relieve the operator of
Printed Name: Chase Settle	Title: Rep Safety & Environmental Sr
Signature: Chase Settle	Date: 01/31/2022
email: Chase_Settle@eogresources.com	Telephone: 575-748-1471
OCD Only	
Received by:	Date:
Approved with Attached Conditions of A	Approval Denied Deferral Approved
Signature: Jennifer Nobili	Date: 02/09/2022

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



Our ref: 11228980

January 28, 2022

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

Re: Site Characterization and Remediation Work Plan Hornbaker BA #2 Release Site

EOG Resources Inc.

Incident ID: nAPP2125655405

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

To Whom It May Concern:

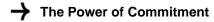
1. Introduction

GHD Services, Inc. (GHD), on behalf of EOG Resources (EOG), submits this Site Characterization and Remediation Work Plan to the New Mexico Oil Conservation Division (NMOCD) District 2 Office. This Report provides documentation of delineation, sampling, and analyses in the affected area at the EOG Hornbaker BA #2 Release Site (Site). Remedial activities are also proposed for NMOCD considerations. The Site is located in Unit Letter H Section 25 of Township 18 South and Range 25 East in Eddy County, New Mexico. The GPS coordinates for the release site are 32.7207794 N latitude and 104.4318771 W longitude. The release occurred on private land owned by Hornbaker Estate. Figure 1 depicts the Site location. The EOG production facility and other site details are depicted on Figure 2, Site Assessment: Soil Analytical Results Map.

2. Background Information

A C-141 initial report for this release was submitted to the NMOCD on September 13, 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's restoration and reclamation process with this location. Soils around the dry hole marker appeared to be discolored and after discussions between field personnel and environmental staff – EOG made the decision to go ahead and file a C-141 for this suspect release location.

The release falls under the jurisdiction of the NMOCD District 2 Office in Artesia, New Mexico. The NMOCD assigned the release with Incident Number nAPP2125655405. The Release Notification and, Site Assessment/Characterization 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 1, Closure Criteria for Soils Impacted by a Release, from New Mexico Administrative Code (NMAC) Title 19, Chapter 15, Part 29, Section 12 (NMAC 19.15.29.12).

GHD and White Drilling Company, Inc (White), on behalf of EOG, installed a groundwater determination soil boring (DTW Well) at the following GPS coordinates, 32.71749 N latitude and 104.43004 W longitude located within 0.25 miles to the south of the Site. The DTW Well was drilled to 107.5 feet below ground surface (bgs) and was left open for 72 hours. After utilization of a water level meter it was determined groundwater was greater than 107.5 feet bgs. and the boring was plugged. No other receptors (karst potential areas, water wells, playas, wetlands, waterways, lakebeds or ordinance boundaries) were located within each specific boundary or distance from the Site.

According to the Site characterization evaluation and 19.15.29.12.C(4)(a)(i) the Site is located within an area that meets closure criteria for depth to groundwater greater than one hundred (100) feet for Table 1 in NMAC 19.15.29.12. The Site characterization documentation (DTW Well: Stratigraphic and Instrumental Log, Karst Potential, FEMA, Watercourse, Points of Diversion and Wetlands maps) are provided in Attachment A. The soil and closure criteria are listed below:

General Site Characterization and Groundwater:

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

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

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

4. Initial Soil Delineation Assessment Summary and Findings

On September 20 and 21, 2021, GHD Services Inc. (GHD) and EOG's contractor Culberson Construction Energy Services (CCI), on behalf of EOG, installed sixteen (16) test pits within the suspected impacted area. Site assessment activities in the northern portion of the Site was ceased once a liner at four (4) feet bgs was discovered from a previous remediation project. Within those first 4 feet soils were non-impacted and vegetated; therefore, GHD and CCI did not agitate or disturb the soils or liner. All soil samples outside the lined area were collected from surface to (20) feet bgs. Samples were then 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 none of the soil samples exhibited benzene, BTEX, TPH or chloride concentrations above Table 1 closure criteria. Depth to groundwater was unknown during this phase of investigation.

Figure 2, Site Assessment: Soil Analytical Results Map, depicts the locations of the initial delineation samples, analytical concentrations, and the lined area with non-impacted soils in the first four (4) feet bgs located in the northern portion of the Site. Analytical results are provided in Table 1, on Figure 2, and in the Laboratory Analytical Reports provided in Attachment B.

5. nAPP2125655405 Proposed Work Plan

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

- TP-4 to one (1) foot bgs or until the soils in the first four (4) feet bgs exhibit TPH concentrations below 100 mg/kg and chloride concentrations below 600 mg/kg.
- TP-1, TP-5, TP-6, TP-8, TP-9, TP-10 and TP-16 to four (4) feet bgs or until the soils in the first four (4) feet bgs exhibit TPH concentrations below 100 mg/kg and chloride concentrations below 600 mg/kg.

The excavation in the northern portion will cease once the liner at 4 feet bgs from a previous remediation project is exposed. Sidewall samples will be collected in the unlined areas to verify TPH concentrations below 100 mg/kg and chloride concentrations below 600 mg/kg.

Confirmation samples from the bottom of the excavation will be collected by way of five (5) point composite samples. Samples collected are to ensure that soil remaining above and below four (4) feet meet the requirements set forth by NMAC 19.15.29.12 and 13 prior to the commencement of backfill activities. Sidewall confirmation samples will be collected by way of five (5) point composite samples, with one (1) sample collected for every 46.5 linear feet of the excavation sidewall when the sidewall height does not exceed four (4) feet bgs, which conforms to the requirement of no sample representing greater than two hundred (200) square feet. All confirmation samples will be taken to a certified laboratory and analyzed for BTEX by EPA Method 8021B, TPH by Method 8015B Modified, and chloride by EPA Method 300.

Excavated soils will be transported to an NMOCD approved disposal facility for disposal. The anticipated volume of soil to be disposed of is approximately 1,070 cubic yards. The excavation will be backfilled with non-impacted soil transported to the site. The remediation will be performed within 90 days after the work plan has been approved. If confirmation soil samples exhibit benzene, BTEX, TPH and chloride concentrations below Table 1 closure criteria, a closure report will be prepared to document remediation activities and submitted to the NMOCD. If the samples exhibit Total TPH concentrations above Table 1 closure criteria a new work plan will be submitted to the NMOCD for approval.

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

Sincerely,

GHD

Becky Haskell

Senior Project Manager

Zach H. Comino Field Geologist

BH/ZC/1

Encl. Figure 1 – Site Location Map

Rebecca Haskell

Figure 2 – Site Assessment: Soil Analytical Results Map

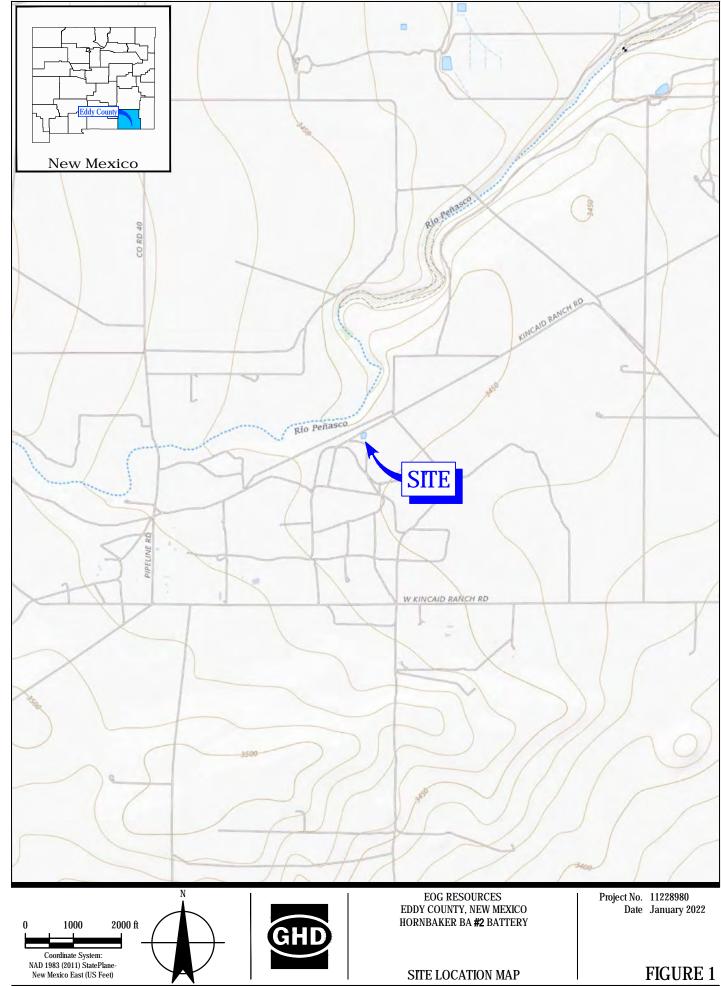
Table 1 – Summary of Soil Analytical Data

Attachment A – Site Characterization Documentation

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

cc: Chase Settle

Figures



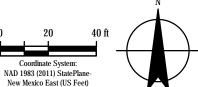


BTEX Benzene Depth (feet bgs) (mg/Kg) Table I Closure Criteria for Soils <50 feet Depth to Groundwate 2,500 mg/Kg 20,000 mg/Kg 10 mg/Kg 50 mg/Kg Initial Assessment Samples - Test Pits 9/20/2021 1,100 TP1-2 2 < 0.025 < 0.10 1,510 TP1-6 9/20/2021 < 0.023 < 0.093 <49 680 9/20/2021 750 TP1-10 10 < 0.025 < 0.099 <49 TP1-12 9/20/2021 12 < 0.024 < 0.094 172 530 TP1-14 9/20/2021 14 < 0.024 < 0.095 <50 190 TP2-2 9/20/2021 < 0.024 < 0.096 <48 410 TP3-S 9/20/2021 Surface < 0.023 < 0.094 <46 <60 TP3-2 <0.099 <60 9/20/2021 2 < 0.025 <48 TP4-S 9/20/2021 Surface <0.024 < 0.094 150 <60 TP4-2 9/20/2021 < 0.024 < 0.094 <49 120 1,300 TP5-2 9/20/2021 < 0.025 < 0.099 <49 TP5-6 9/20/2021 < 0.024 < 0.095 <50 710 TP5-8 9/20/2021 < 0.024 < 0.095 <48 360 TP6-2 9/20/2021 < 0.094 1,000 < 0.024 <48 TP6-6 < 0.097 390 9/20/2021 < 0.024 <48 6 TP7-S 9/20/2021 Surface < 0.023 < 0.093 <50 <60 TP7-2 9/20/2021 < 0.023 < 0.092 <48 320 1,200 TP8-2 9/20/2021 < 0.024 < 0.096 <46 1,200 TP8-6 9/20/2021 < 0.024 <0.098 224 9/20/2021 610 TP8-12 12 < 0.024 < 0.097 <50 TP8-18 9/20/2021 < 0.097 860 < 0.024 <46 18 470 TP8-20 9/20/2021 20 < 0.025 <0.098 <47 9/21/21 < 0.024 < 0.094 2,200 TP9-2 326 TP9-6 9/21/21 <0.023 < 0.093 <46 1,500 9/21/21 < 0.025 < 0.099 <47 TP9-10 10 1,300 9/21/21 <0.025 <0.098 <50 TP9-14 14 950 TP9-17 9/21/21 <0.024 < 0.098 <47 550 9/21/21 < 0.024 < 0.097 <49 TP9-19 19 300 TP10-2 9/21/21 < 0.025 < 0.099 <50 1,100 TP10-6 9/21/21 <0.025 <0.098 <48 270 <47 TP10-8 9/21/21 <0.024 < 0.095 380 9/21/21 < 0.023 < 0.093 TP10-10 10 <48 75 TP11-S 9/21/21 Surface < 0.025 < 0.099 <50 <60 TP-11-2 9/21/21 <0.025 <0.099 <48 <60 TP12-S 9/21/21 Surface < 0.024 < 0.096 <50 <60 TP12-2 9/21/21 < 0.097 <47 <60 < 0.024 TP13-2 9/21/21 < 0.024 < 0.096 <50 200 TP13-4 9/21/21 < 0.025 < 0.098 <50 240 < 0.098 TP14-S 9/21/21 < 0.025 11 130 Surface 9/21/21 < 0.093 <47 TP14-2 < 0.023 83 TP15-S 9/21/21 Surface < 0.025 < 0.099 <50 <60 TP15-2 9/21/21 < 0.098 < 0.024 99 TP16-S 9/21/21 < 0.024 < 0.097 <49 <60 TP16-2 9/21/21 < 0.023 < 0.093 236 <60

BENZENE, TOLUENE, ETHYLBENZENE &
XYLENES CONCENTRATION (MG/KG)
TOTAL PETROLEUM HYDROCARBONS

CONCENTRATION (MG/KG)

- 2. SEE TABLE 1 FOR FULL ANALYTICAL RESULTS/DETAILS.
- 3. PEACH SHADED CELLS EXCEED THE NMOC 19.15.29.13 (FIRST 4 FFFT) TARLE 1





EOG RESOURCES EDDY COUNTY, NEW MEXICO HORNBAKER BA #2 BATTERY

SITE ASSESSMENT: SOIL ANALYTICAL RESULTS MAP Project No. 11228980 Date January 2022

FIGURE 2

Tables

Table 1 Summary of Soil Analytical Data Hornbaker BA Battery 2 EOG Resources Eddy County, New Mexico

								TPH				
	Sample	Depth	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	Chloride
Sample ID	Date	(feet bgs)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
					Table I C	Closure Criteria	for Soils <50 fe	et Depth to Gro	undwater 19.15.	29 NMAC		
			10 mg/Kg				50 mg/Kg	1,000	mg/Kg		2,500 mg/Kg	20,000 mg/K
					Initial Assessn	nent Samples -	Test Pits					
TP1-2	9/20/2021	2	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	410	1,100	1,510	1,100
TP1-6	9/20/2021	6	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	<9.7	<49	<49	680
TP1-10	9/20/2021	10	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.7	<49	<49	750
TP1-12	9/20/2021	12	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	74	98	172	530
TP1-14	9/20/2021	14	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<10	<50	<50	190
TP2-2	9/20/2021	2	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.6	<48	<48	410
TP3-S	9/20/2021	Surface	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	<9.3	<46	<46	<60
TP3-2	9/20/2021	2	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.7	<48	<48	<60
TP4-S	9/20/2021	Surface	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	30	120	150	<60
TP4-2	9/20/2021	2	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	<9.8	<49	<49	120
TP5-2	9/20/2021	2	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.8	<49	<49	1,300
TP5-6	9/20/2021	6	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<10	<50	<50	710
TP5-8	9/20/2021	8	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.5	<48	<48	360
TP6-2	9/20/2021	2	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	<9.5	<48	<48	1,000
TP6-6	9/20/2021	6	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.7	<48	<48	390
TP7-S	9/20/2021	Surface	<0.023	<0.046	<0.046	<0.093	<0.093	<4.6	<10	<50	<50	<60
TP7-2	9/20/2021	2	<0.023	<0.046	<0.046	<0.092	<0.092	<4.6	<9.7	<48	<48	320
TP8-2	9/20/2021	2	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.2	<46	<46	1,200
TP8-6	9/20/2021	6	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	64	160	224	1,200
TP8-12	9/20/2021	12	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.9	<50	<50	610
TP8-18	9/20/2021	18	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.2	<46	<46	860
TP8-20	9/20/2021	20	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.5	<47	<47	470
TP9-2	9/21/21	2	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	56	270	326	2,200
TP9-6	9/21/21	6	<0.023	<0.046	<0.046	<0.093	<0.093	<4.6	<9.2	<46	<46	1,500
TP9-10	9/21/21	10	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.4	<47	<47	1,300
TP9-14	9/21/21	14	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.9	<50	<50	950
TP9-17	9/21/21	17	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.4	<47	<47	550
TP9-19	9/21/21	19	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<9.8	<49	<49	300
TP10-2	9/21/21	2	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<10	<50	<50	1,100

Table 1 Summary of Soil Analytical Data Hornbaker BA Battery 2 EOG Resources Eddy County, New Mexico

										TPH		
	Sample	Depth	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	Chloride
Sample ID	Date	(feet bgs)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
					Table I C	losure Criteria	for Soils <50 fe	et Depth to Gro	et Depth to Groundwater 19.15.		29 NMAC	
			10 mg/Kg				50 mg/Kg	1,000	mg/Kg		2,500 mg/Kg	20,000 mg/Kg
TP10-6	9/21/21	6	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.6	<48	<48	270
TP10-8	9/21/21	8	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.4	<47	<47	380
TP10-10	9/21/21	10	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	<9.7	<48	<48	75
TP11-S	9/21/21	Surface	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.9	<50	<50	<60
TP-11-2	9/21/21	2	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.6	<48	<48	<60
TP12-S	9/21/21	Surface	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.9	<50	<50	<60
TP12-2	9/21/21	2	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.3	<47	<47	<60
TP13-2	9/21/21	2	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.9	<50	<50	200
TP13-4	9/21/21	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<10	<50	<50	240
TP14-S	9/21/21	Surface	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	11	<48	11	130
TP14-2	9/21/21	2	<0.023	<0.046	<0.046	<0.093	<0.093	<4.6	<9.5	<47	<47	83
TP15-S	9/21/21	Surface	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.9	<50	<50	<60
TP15-2	9/21/21	2	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.9	<49	<49	99
TP16-S	9/21/21	Surface	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.7	<49	<49	<60
TP16-2	9/21/21	2	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	66	170	236	<60

Notes.

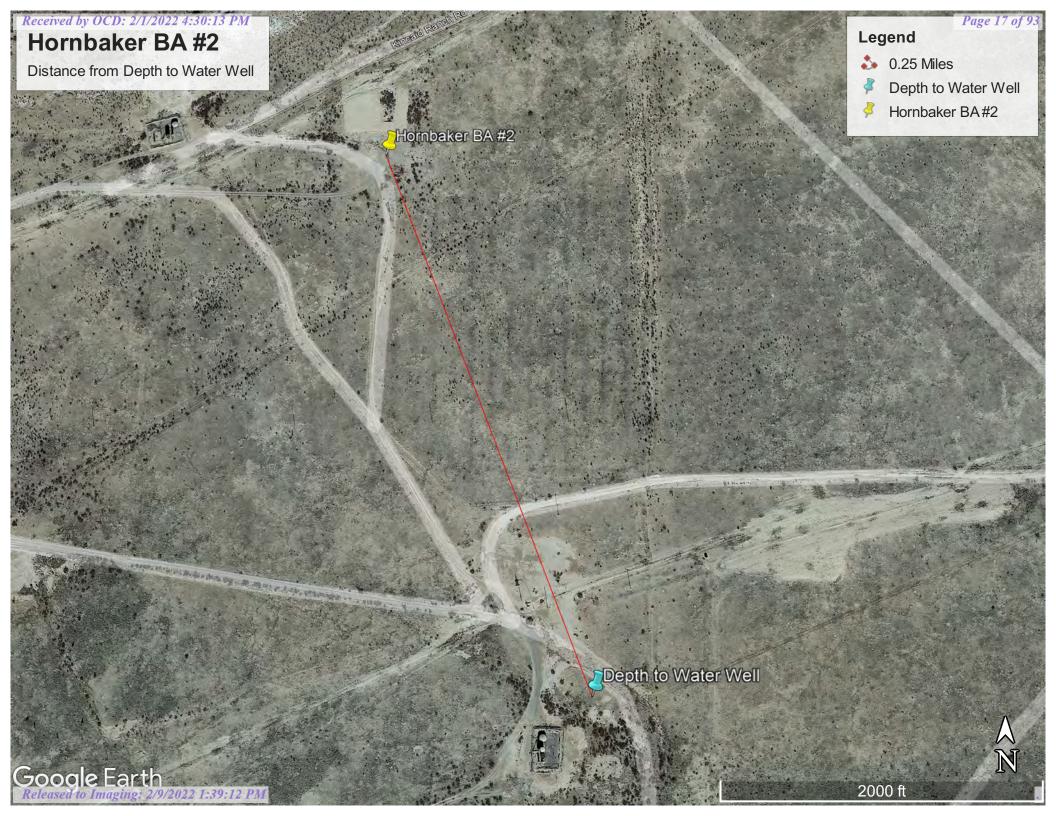
- Values reported in mg/kg
- 2. < = Value Less than Reporting Limit (RL)
- 3. Bold Indicates Analyte Detected
- 4 BTEX analyses by EPA Method SW 8021B.
- 5. TPH analyses by EPA Method SW 8015 Mod.
- 6. GRO/DRO/MRO = Gasoline/Diesel/Motor Oil
- 7. J the target analytes was positively identified below the quantitation limit and above the detection limit.

Peach shaded cells indicate analytical samples that exceed the NMOC 19.15.29.13 Table 1

Yellow shaded cells indicate analytical samples that exceed the NMOC 19.15.29.12 Table 1

B-BH-2 Sample Point Excavated

Attachment A Site Characterization Documentation



Page 1 of 2

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

HOLE DESIGNATION: DTW Well

PROJECT NAME: Nix Curtis BH Battery PROJECT NUMBER: 11229322 DATE COMPLETED: December 14, 2021 CLIENT: EOG Resources DRILLING METHOD: Air Rotary/Split Spoons

EPTH	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH	SOIL BORING		1	SAME	
t BGS		BGS		NUMBER	INTERVAL	REC (%)	CHLORIDE (mg/kg)
5	CL-SILTY CLAY, with sand, light brown, dry						
15	CL-SILTY CLAY, light brown, dry	12.00					
20			Backfilled W	*			
30			Cement Grou				
35 —	CL-CLAY, with silt and caliche interbedded	35.00					
40	CL-CLAY, with fine to medium grained sand, light brown, slightly moist	38.00					
45							
55							
		60.00					
60 —	CL-SILTY CLAY, with sand and rock interbedded throughout, light brown, slightly damp	60.00					

Page 2 of 2

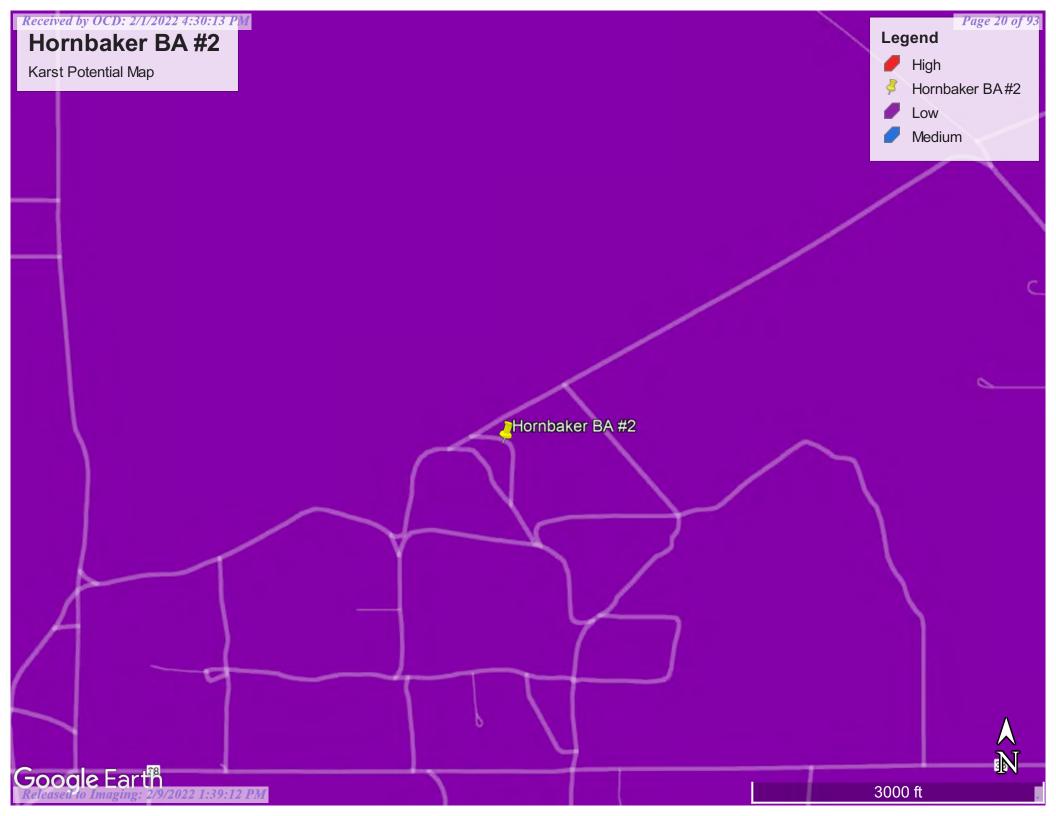
STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

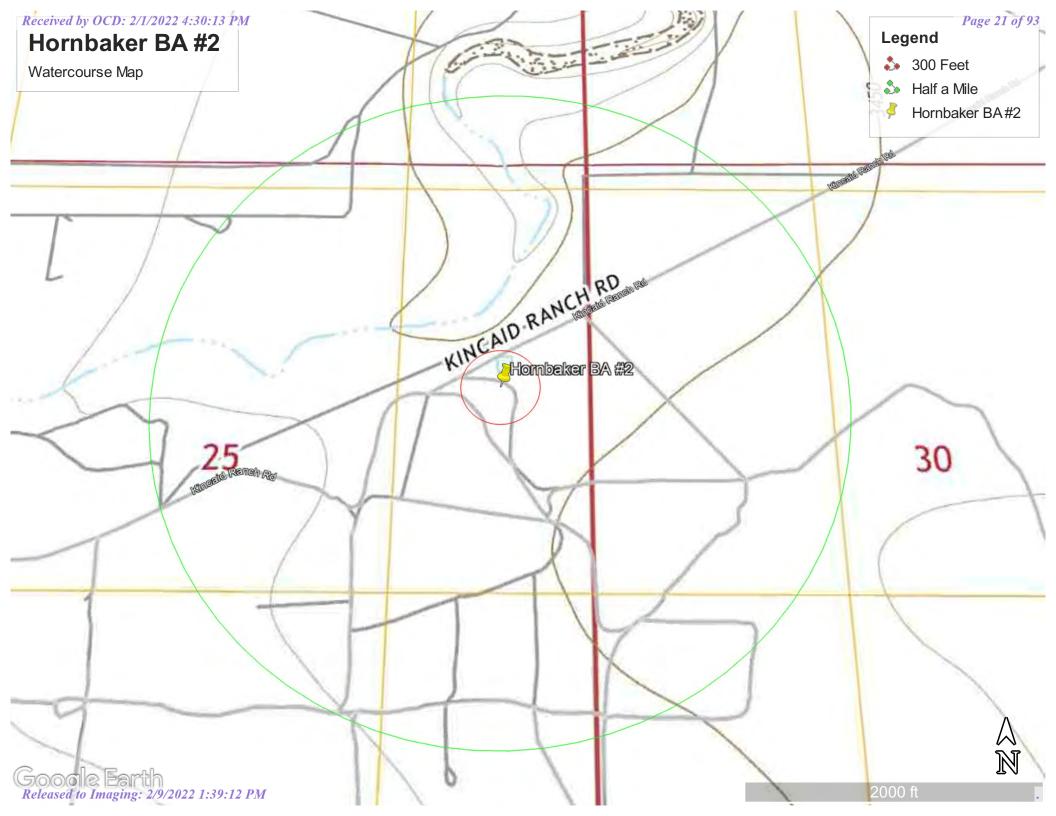
HOLE DESIGNATION: DTW Well

PROJECT NAME: Nix Curtis BH Battery PROJECT NUMBER: 11229322 DATE COMPLETED: December 14, 2021 CLIENT: EOG Resources DRILLING METHOD: Air Rotary/Split Spoons

FIELD PERSONNEL: L. Mullins LOCATION: Artesia, New Mexico

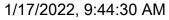
DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH	SOIL BORING			SAMF	PLE
ft BGS	CITATION DESCRIPTION AND ARTICLES	BGS	GOIL BOILING	NUMBER	INTERVAL	REC (%)	CHLORIDE (mg/kg)
70 - 75 80 85 90 95 100	SP-SAND, with silt, fine to medium grained, light brown, slightly damp	70.00					
105	END OF BOREHOLE @ 107.50ft BGS	107.50					
110	DTW Well was left open for 72 hours to determine presence or absence of groundwater by utilization of a water level meter. No groundwater was present.						
115	·						
120							
125							
NO	OTES: MEASURING POINT ELEVATIONS MAY CHANGE; F	REFER TO CUR	RENT ELEVATION TABLE				ı l





Hornbaker BA #2





OSE District Boundary New Mexico State Trust Lands GIS WATERS PODs

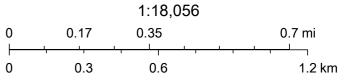
Active

Water Right Regulations

Closure Area Pending

Both Estates

SiteBoundaries



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

OReleas 240 Imaging: 2/9/2022 1:999.12 PM

Received by OCD: 2/1/2022 4:30:13 PM National Flood Hazard Layer FIRMette





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

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

an authoritative property location.

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

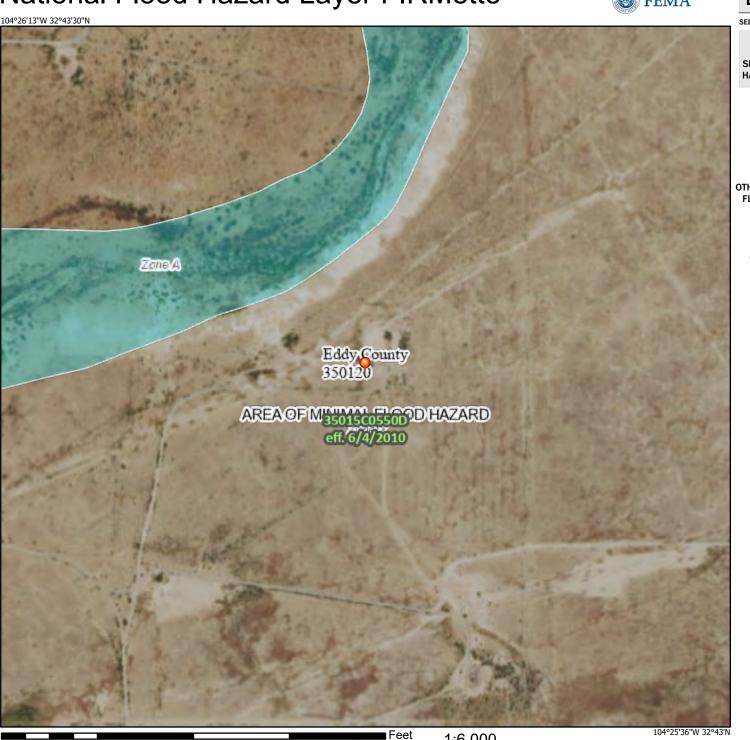
Unmapped

MAP PANELS

accuracy standards

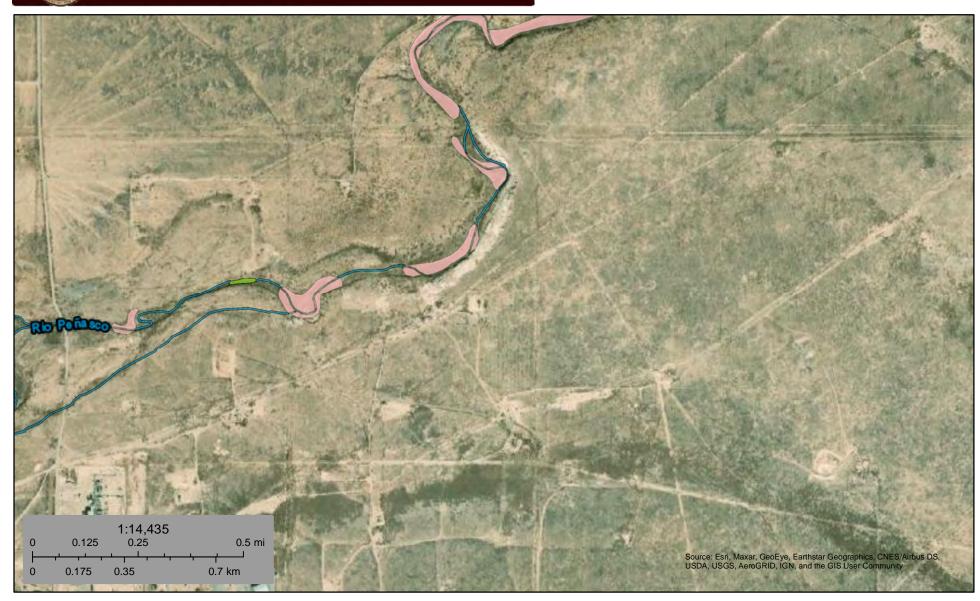
The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 1/17/2022 at 10:49 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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





Hornbaker BA #2



January 17, 2022

Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Freshwater Pond

Lake

Riverine

Other



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

Attachment B Laboratory Analytical Reports and Chain-ofCustody Documentation



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

October 14, 2021

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

TEL: (432) 686-0086

FAX

RE: Hornbaker BA 2 OrderNo.: 2109B81

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 28 sample(s) on 9/22/2021 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 10/14/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP1-2

 Project:
 Hornbaker BA 2
 Collection Date: 9/20/2021 7:50:00 AM

 Lab ID:
 2109B81-001
 Matrix: SOIL
 Received Date: 9/22/2021 7:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: VP
Chloride	1100	60		mg/Kg	20	9/27/2021 12:03:05 PM	62839
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS					Analyst	SB
Diesel Range Organics (DRO)	410	98		mg/Kg	10	9/24/2021 3:56:51 PM	62781
Motor Oil Range Organics (MRO)	1100	490		mg/Kg	10	9/24/2021 3:56:51 PM	62781
Surr: DNOP	0	70-130	S	%Rec	10	9/24/2021 3:56:51 PM	62781
EPA METHOD 8015D: GASOLINE RANGE						Analyst	NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/24/2021 2:04:27 AM	62766
Surr: BFB	99.0	70-130		%Rec	1	9/24/2021 2:04:27 AM	62766
EPA METHOD 8021B: VOLATILES						Analyst	NSB
Benzene	ND	0.025		mg/Kg	1	9/24/2021 2:04:27 AM	62766
Toluene	ND	0.050		mg/Kg	1	9/24/2021 2:04:27 AM	62766
Ethylbenzene	ND	0.050		mg/Kg	1	9/24/2021 2:04:27 AM	62766
Xylenes, Total	ND	0.10		mg/Kg	1	9/24/2021 2:04:27 AM	62766
Surr: 4-Bromofluorobenzene	87.0	70-130		%Rec	1	9/24/2021 2:04:27 AM	62766

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

Qualifiers:

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

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

Page 1 of 31

Date Reported: 10/14/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP1-6

 Project:
 Hornbaker BA 2
 Collection Date: 9/20/2021 8:05:00 AM

 Lab ID:
 2109B81-002
 Matrix: SOIL
 Received Date: 9/22/2021 7:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	:: JMT
Chloride	680	60		mg/Kg	20	10/4/2021 7:38:43 AM	62988
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS					Analyst	:: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/1/2021 6:25:46 PM	62957
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/1/2021 6:25:46 PM	62957
Surr: DNOP	77.9	70-130		%Rec	1	10/1/2021 6:25:46 PM	62957
EPA METHOD 8015D: GASOLINE RANGE						Analyst	:: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/4/2021 9:45:40 AM	62954
Surr: BFB	161	70-130	S	%Rec	1	10/4/2021 9:45:40 AM	62954
EPA METHOD 8021B: VOLATILES						Analyst	: NSB
Benzene	ND	0.023		mg/Kg	1	10/4/2021 9:45:40 AM	62954
Toluene	ND	0.047		mg/Kg	1	10/4/2021 9:45:40 AM	62954
Ethylbenzene	ND	0.047		mg/Kg	1	10/4/2021 9:45:40 AM	62954
Xylenes, Total	ND	0.093		mg/Kg	1	10/4/2021 9:45:40 AM	62954
Surr: 4-Bromofluorobenzene	136	70-130	S	%Rec	1	10/4/2021 9:45:40 AM	62954

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

Qualifiers:

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

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

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Date Reported: 10/14/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP1-10

 Project:
 Hornbaker BA 2
 Collection Date: 9/20/2021 8:20:00 AM

 Lab ID:
 2109B81-003
 Matrix: SOIL
 Received Date: 9/22/2021 7:10:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	750	60	mg/Kg	20	10/4/2021 8:15:56 AM	62988
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	10/1/2021 7:36:39 PM	62957
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	10/1/2021 7:36:39 PM	62957
Surr: DNOP	80.4	70-130	%Rec	1	10/1/2021 7:36:39 PM	62957
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	10/4/2021 10:56:09 AM	62954
Surr: BFB	103	70-130	%Rec	1	10/4/2021 10:56:09 AM	62954
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	10/4/2021 10:56:09 AM	62954
Toluene	ND	0.049	mg/Kg	1	10/4/2021 10:56:09 AM	62954
Ethylbenzene	ND	0.049	mg/Kg	1	10/4/2021 10:56:09 AM	62954
Xylenes, Total	ND	0.099	mg/Kg	1	10/4/2021 10:56:09 AM	62954
Surr: 4-Bromofluorobenzene	85.2	70-130	%Rec	1	10/4/2021 10:56:09 AM	62954

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

Qualifiers:

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

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

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Date Reported: 10/14/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP1-12

 Project:
 Hornbaker BA 2
 Collection Date: 9/20/2021 8:30:00 AM

 Lab ID:
 2109B81-004
 Matrix: SOIL
 Received Date: 9/22/2021 7:10:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	530	60	mg/Kg	20	10/4/2021 8:53:10 AM	62988
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	SB
Diesel Range Organics (DRO)	74	9.8	mg/Kg	1	10/4/2021 11:12:49 PM	62957
Motor Oil Range Organics (MRO)	98	49	mg/Kg	1	10/4/2021 11:12:49 PM	62957
Surr: DNOP	77.1	70-130	%Rec	1	10/4/2021 11:12:49 PM	62957
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	10/4/2021 12:07:16 PM	62954
Surr: BFB	102	70-130	%Rec	1	10/4/2021 12:07:16 PM	62954
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.024	mg/Kg	1	10/4/2021 12:07:16 PM	62954
Toluene	ND	0.047	mg/Kg	1	10/4/2021 12:07:16 PM	62954
Ethylbenzene	ND	0.047	mg/Kg	1	10/4/2021 12:07:16 PM	62954
Xylenes, Total	ND	0.094	mg/Kg	1	10/4/2021 12:07:16 PM	62954
Surr: 4-Bromofluorobenzene	84.5	70-130	%Rec	1	10/4/2021 12:07:16 PM	62954

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

Qualifiers:

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

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

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Date Reported: 10/14/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP1-14

 Project:
 Hornbaker BA 2
 Collection Date: 9/20/2021 8:45:00 AM

 Lab ID:
 2109B81-005
 Matrix: SOIL
 Received Date: 9/22/2021 7:10:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	190	60	mg/Kg	20	10/4/2021 9:05:35 AM	62988
EPA METHOD 8015M/D: DIESEL RANGE ORGA	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	10/1/2021 8:24:01 PM	62957
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	10/1/2021 8:24:01 PM	62957
Surr: DNOP	81.7	70-130	%Rec	1	10/1/2021 8:24:01 PM	62957
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	10/4/2021 12:30:50 PM	62954
Surr: BFB	106	70-130	%Rec	1	10/4/2021 12:30:50 PM	62954
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	10/4/2021 12:30:50 PM	62954
Toluene	ND	0.048	mg/Kg	1	10/4/2021 12:30:50 PM	62954
Ethylbenzene	ND	0.048	mg/Kg	1	10/4/2021 12:30:50 PM	62954
Xylenes, Total	ND	0.095	mg/Kg	1	10/4/2021 12:30:50 PM	62954
Surr: 4-Bromofluorobenzene	87.6	70-130	%Rec	1	10/4/2021 12:30:50 PM	62954

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

Qualifiers:

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

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

Page 5 of 31

Date Reported: 10/14/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP2-2

 Project:
 Hornbaker BA 2
 Collection Date: 9/20/2021 9:10:00 AM

 Lab ID:
 2109B81-006
 Matrix: SOIL
 Received Date: 9/22/2021 7:10:00 AM

Analyses	Result	PQL	Qual Uni	ts DI	F Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	410	60	mg/	Kg 20	9/27/2021 12:15:30 PM	1 62839
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	:: SB
Diesel Range Organics (DRO)	ND	9.6	mg/	Kg 1	9/25/2021 4:37:42 AM	62781
Motor Oil Range Organics (MRO)	ND	48	mg/	Kg 1	9/25/2021 4:37:42 AM	62781
Surr: DNOP	92.0	70-130	%R	ec 1	9/25/2021 4:37:42 AM	62781
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/	Kg 1	9/24/2021 2:28:07 AM	62766
Surr: BFB	102	70-130	%R	ec 1	9/24/2021 2:28:07 AM	62766
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/	Kg 1	9/24/2021 2:28:07 AM	62766
Toluene	ND	0.048	mg/	Kg 1	9/24/2021 2:28:07 AM	62766
Ethylbenzene	ND	0.048	mg/	Kg 1	9/24/2021 2:28:07 AM	62766
Xylenes, Total	ND	0.096	mg/	Kg 1	9/24/2021 2:28:07 AM	62766
Surr: 4-Bromofluorobenzene	89.0	70-130	%R	ec 1	9/24/2021 2:28:07 AM	62766

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

Qualifiers:

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

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

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Date Reported: 10/14/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP3-S

 Project:
 Hornbaker BA 2
 Collection Date: 9/20/2021 10:20:00 AM

 Lab ID:
 2109B81-011
 Matrix: SOIL
 Received Date: 9/22/2021 7:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	VP
Chloride	ND	60		mg/Kg	20	9/27/2021 12:27:54 PM	62839
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS					Analyst	SB
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	9/29/2021 2:43:26 PM	62781
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	9/29/2021 2:43:26 PM	62781
Surr: DNOP	63.0	70-130	S	%Rec	1	9/29/2021 2:43:26 PM	62781
EPA METHOD 8015D: GASOLINE RANGE						Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	9/24/2021 2:51:47 AM	62766
Surr: BFB	99.3	70-130		%Rec	1	9/24/2021 2:51:47 AM	62766
EPA METHOD 8021B: VOLATILES						Analyst	NSB
Benzene	ND	0.023		mg/Kg	1	9/24/2021 2:51:47 AM	62766
Toluene	ND	0.047		mg/Kg	1	9/24/2021 2:51:47 AM	62766
Ethylbenzene	ND	0.047		mg/Kg	1	9/24/2021 2:51:47 AM	62766
Xylenes, Total	ND	0.094		mg/Kg	1	9/24/2021 2:51:47 AM	62766
Surr: 4-Bromofluorobenzene	87.6	70-130		%Rec	1	9/24/2021 2:51:47 AM	62766

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

Qualifiers:

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

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

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Date Reported: 10/14/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP3-2

 Project:
 Hornbaker BA 2
 Collection Date: 9/20/2021 10:35:00 AM

 Lab ID:
 2109B81-012
 Matrix: SOIL
 Received Date: 9/22/2021 7:10:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	ND	60	mg/Kg	20	9/27/2021 12:40:19 PM	62839
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	9/25/2021 5:02:06 AM	62781
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	9/25/2021 5:02:06 AM	62781
Surr: DNOP	74.3	70-130	%Rec	1	9/25/2021 5:02:06 AM	62781
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	9/24/2021 3:15:30 AM	62766
Surr: BFB	102	70-130	%Rec	1	9/24/2021 3:15:30 AM	62766
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	9/24/2021 3:15:30 AM	62766
Toluene	ND	0.050	mg/Kg	1	9/24/2021 3:15:30 AM	62766
Ethylbenzene	ND	0.050	mg/Kg	1	9/24/2021 3:15:30 AM	62766
Xylenes, Total	ND	0.099	mg/Kg	1	9/24/2021 3:15:30 AM	62766
Surr: 4-Bromofluorobenzene	91.2	70-130	%Rec	1	9/24/2021 3:15:30 AM	62766

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

Qualifiers:

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

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

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Date Reported: 10/14/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP4-S

 Project:
 Hornbaker BA 2
 Collection Date: 9/20/2021 10:40:00 AM

 Lab ID:
 2109B81-013
 Matrix: SOIL
 Received Date: 9/22/2021 7:10:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	ND	60	mg/Kg	20	9/27/2021 1:17:34 PM	62839
EPA METHOD 8015M/D: DIESEL RANGE ORGA	ANICS				Analyst	SB
Diesel Range Organics (DRO)	30	9.8	mg/Kg	1	9/29/2021 2:30:58 PM	62781
Motor Oil Range Organics (MRO)	120	49	mg/Kg	1	9/29/2021 2:30:58 PM	62781
Surr: DNOP	84.9	70-130	%Rec	1	9/29/2021 2:30:58 PM	62781
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	9/24/2021 3:39:11 AM	62766
Surr: BFB	98.0	70-130	%Rec	1	9/24/2021 3:39:11 AM	62766
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.024	mg/Kg	1	9/24/2021 3:39:11 AM	62766
Toluene	ND	0.047	mg/Kg	1	9/24/2021 3:39:11 AM	62766
Ethylbenzene	ND	0.047	mg/Kg	1	9/24/2021 3:39:11 AM	62766
Xylenes, Total	ND	0.094	mg/Kg	1	9/24/2021 3:39:11 AM	62766
Surr: 4-Bromofluorobenzene	86.1	70-130	%Rec	1	9/24/2021 3:39:11 AM	62766

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

Qualifiers:

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

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

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Date Reported: 10/14/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP4-2

 Project:
 Hornbaker BA 2
 Collection Date: 9/20/2021 10:50:00 AM

 Lab ID:
 2109B81-014
 Matrix: SOIL
 Received Date: 9/22/2021 7:10:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	120	60	mg/Kg	20	9/27/2021 1:29:59 PM	62839
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	9/25/2021 5:26:21 AM	62781
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	9/25/2021 5:26:21 AM	62781
Surr: DNOP	86.3	70-130	%Rec	1	9/25/2021 5:26:21 AM	62781
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	9/24/2021 4:02:38 AM	62766
Surr: BFB	101	70-130	%Rec	1	9/24/2021 4:02:38 AM	62766
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	9/24/2021 4:02:38 AM	62766
Toluene	ND	0.047	mg/Kg	1	9/24/2021 4:02:38 AM	62766
Ethylbenzene	ND	0.047	mg/Kg	1	9/24/2021 4:02:38 AM	62766
Xylenes, Total	ND	0.094	mg/Kg	1	9/24/2021 4:02:38 AM	62766
Surr: 4-Bromofluorobenzene	89.3	70-130	%Rec	1	9/24/2021 4:02:38 AM	62766

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

Qualifiers:

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

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

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Date Reported: 10/14/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP5-2

 Project:
 Hornbaker BA 2
 Collection Date: 9/20/2021 11:00:00 AM

 Lab ID:
 2109B81-015
 Matrix: SOIL
 Received Date: 9/22/2021 7:10:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	1300	60	mg/Kg	20	9/27/2021 1:42:23 PM	62839
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	9/25/2021 5:50:41 AM	62781
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	9/25/2021 5:50:41 AM	62781
Surr: DNOP	100	70-130	%Rec	1	9/25/2021 5:50:41 AM	62781
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	9/24/2021 4:26:08 AM	62766
Surr: BFB	101	70-130	%Rec	1	9/24/2021 4:26:08 AM	62766
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	9/24/2021 4:26:08 AM	62766
Toluene	ND	0.050	mg/Kg	1	9/24/2021 4:26:08 AM	62766
Ethylbenzene	ND	0.050	mg/Kg	1	9/24/2021 4:26:08 AM	62766
Xylenes, Total	ND	0.099	mg/Kg	1	9/24/2021 4:26:08 AM	62766
Surr: 4-Bromofluorobenzene	88.8	70-130	%Rec	1	9/24/2021 4:26:08 AM	62766

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

Qualifiers:

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

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

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Date Reported: 10/14/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP5-6

 Project:
 Hornbaker BA 2
 Collection Date: 9/20/2021 11:10:00 AM

 Lab ID:
 2109B81-016
 Matrix: SOIL
 Received Date: 9/22/2021 7:10:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	710	61	mg/Kg	20	9/27/2021 1:54:48 PM	62839
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	9/24/2021 11:11:41 AM	62799
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	9/24/2021 11:11:41 AM	62799
Surr: DNOP	103	70-130	%Rec	1	9/24/2021 11:11:41 AM	62799
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	9/24/2021 1:46:26 PM	62767
Surr: BFB	101	70-130	%Rec	1	9/24/2021 1:46:26 PM	62767
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	9/24/2021 1:46:26 PM	62767
Toluene	ND	0.048	mg/Kg	1	9/24/2021 1:46:26 PM	62767
Ethylbenzene	ND	0.048	mg/Kg	1	9/24/2021 1:46:26 PM	62767
Xylenes, Total	ND	0.095	mg/Kg	1	9/24/2021 1:46:26 PM	62767
Surr: 4-Bromofluorobenzene	90.1	70-130	%Rec	1	9/24/2021 1:46:26 PM	62767

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

Qualifiers:

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

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

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Date Reported: 10/14/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP5-8

 Project:
 Hornbaker BA 2
 Collection Date: 9/20/2021 11:20:00 AM

 Lab ID:
 2109B81-017
 Matrix: SOIL
 Received Date: 9/22/2021 7:10:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	360	60	mg/Kg	20	10/4/2021 9:42:48 AM	62988
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	10/1/2021 8:47:42 PM	62957
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	10/1/2021 8:47:42 PM	62957
Surr: DNOP	83.4	70-130	%Rec	1	10/1/2021 8:47:42 PM	62957
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	10/4/2021 12:54:33 PM	62954
Surr: BFB	106	70-130	%Rec	1	10/4/2021 12:54:33 PM	62954
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.024	mg/Kg	1	10/4/2021 12:54:33 PM	62954
Toluene	ND	0.047	mg/Kg	1	10/4/2021 12:54:33 PM	62954
Ethylbenzene	ND	0.047	mg/Kg	1	10/4/2021 12:54:33 PM	62954
Xylenes, Total	ND	0.095	mg/Kg	1	10/4/2021 12:54:33 PM	62954
Surr: 4-Bromofluorobenzene	87.7	70-130	%Rec	1	10/4/2021 12:54:33 PM	62954

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

Qualifiers:

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

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

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Date Reported: 10/14/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP6-2

 Project:
 Hornbaker BA 2
 Collection Date: 9/20/2021 12:40:00 PM

 Lab ID:
 2109B81-018
 Matrix: SOIL
 Received Date: 9/22/2021 7:10:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	1000	61	mg/Kg	20	9/27/2021 2:07:12 PM	62839
EPA METHOD 8015M/D: DIESEL RANGE ORGA	ANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	9/27/2021 12:40:47 PM	62799
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	9/27/2021 12:40:47 PM	62799
Surr: DNOP	75.8	70-130	%Rec	1	9/27/2021 12:40:47 PM	62799
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	9/24/2021 2:56:55 PM	62767
Surr: BFB	102	70-130	%Rec	1	9/24/2021 2:56:55 PM	62767
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.024	mg/Kg	1	9/24/2021 2:56:55 PM	62767
Toluene	ND	0.047	mg/Kg	1	9/24/2021 2:56:55 PM	62767
Ethylbenzene	ND	0.047	mg/Kg	1	9/24/2021 2:56:55 PM	62767
Xylenes, Total	ND	0.094	mg/Kg	1	9/24/2021 2:56:55 PM	62767
Surr: 4-Bromofluorobenzene	90.4	70-130	%Rec	1	9/24/2021 2:56:55 PM	62767

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

Qualifiers:

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

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

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Date Reported: 10/14/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP6-6

 Project:
 Hornbaker BA 2
 Collection Date: 9/20/2021 12:50:00 PM

 Lab ID:
 2109B81-019
 Matrix: SOIL
 Received Date: 9/22/2021 7:10:00 AM

Analyses	Result	PQL	Qual Un	its DI	F Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analysi	: VP
Chloride	390	60	mg.	Kg 20	9/27/2021 2:19:37 PM	62839
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	:: SB
Diesel Range Organics (DRO)	ND	9.7	mg.	′Kg 1	9/24/2021 11:35:58 AM	1 62799
Motor Oil Range Organics (MRO)	ND	48	mg	Kg 1	9/24/2021 11:35:58 AM	1 62799
Surr: DNOP	90.7	70-130	%R	ec 1	9/24/2021 11:35:58 AM	1 62799
EPA METHOD 8015D: GASOLINE RANGE					Analyst	:: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg.	Kg 1	9/24/2021 4:07:51 PM	62767
Surr: BFB	100	70-130	%R	ec 1	9/24/2021 4:07:51 PM	62767
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg	′Kg 1	9/24/2021 4:07:51 PM	62767
Toluene	ND	0.048	mg.	Kg 1	9/24/2021 4:07:51 PM	62767
Ethylbenzene	ND	0.048	mg	Kg 1	9/24/2021 4:07:51 PM	62767
Xylenes, Total	ND	0.097	mg	Kg 1	9/24/2021 4:07:51 PM	62767
Surr: 4-Bromofluorobenzene	88.7	70-130	%R	ec 1	9/24/2021 4:07:51 PM	62767

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

Qualifiers:

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

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

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Date Reported: 10/14/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP7-S

 Project:
 Hornbaker BA 2
 Collection Date: 9/20/2021 1:10:00 PM

 Lab ID:
 2109B81-021
 Matrix: SOIL
 Received Date: 9/22/2021 7:10:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	ND	60	mg/Kg	20	9/27/2021 2:32:02 PM	62839
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	:: SB
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	9/24/2021 12:00:16 PM	1 62799
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	9/24/2021 12:00:16 PM	62799
Surr: DNOP	92.4	70-130	%Rec	1	9/24/2021 12:00:16 PM	l 62799
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	9/24/2021 4:31:36 PM	62767
Surr: BFB	103	70-130	%Rec	1	9/24/2021 4:31:36 PM	62767
EPA METHOD 8021B: VOLATILES					Analyst	:: NSB
Benzene	ND	0.023	mg/Kg	1	9/24/2021 4:31:36 PM	62767
Toluene	ND	0.046	mg/Kg	1	9/24/2021 4:31:36 PM	62767
Ethylbenzene	ND	0.046	mg/Kg	1	9/24/2021 4:31:36 PM	62767
Xylenes, Total	ND	0.093	mg/Kg	1	9/24/2021 4:31:36 PM	62767
Surr: 4-Bromofluorobenzene	89.9	70-130	%Rec	1	9/24/2021 4:31:36 PM	62767

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

Qualifiers:

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

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

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Date Reported: 10/14/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP7-2

 Project:
 Hornbaker BA 2
 Collection Date: 9/20/2021 1:20:00 PM

 Lab ID:
 2109B81-022
 Matrix: SOIL
 Received Date: 9/22/2021 7:10:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	320	60	mg/Kg	20	9/27/2021 2:44:27 PM	62839
EPA METHOD 8015M/D: DIESEL RANGE ORGA	ANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	9/24/2021 12:24:26 PM	62799
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	9/24/2021 12:24:26 PM	62799
Surr: DNOP	94.9	70-130	%Rec	1	9/24/2021 12:24:26 PM	62799
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	9/24/2021 4:55:13 PM	62767
Surr: BFB	103	70-130	%Rec	1	9/24/2021 4:55:13 PM	62767
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.023	mg/Kg	1	9/24/2021 4:55:13 PM	62767
Toluene	ND	0.046	mg/Kg	1	9/24/2021 4:55:13 PM	62767
Ethylbenzene	ND	0.046	mg/Kg	1	9/24/2021 4:55:13 PM	62767
Xylenes, Total	ND	0.092	mg/Kg	1	9/24/2021 4:55:13 PM	62767
Surr: 4-Bromofluorobenzene	90.0	70-130	%Rec	1	9/24/2021 4:55:13 PM	62767

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

Qualifiers:

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

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

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Date Reported: 10/14/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP8-2

 Project:
 Hornbaker BA 2
 Collection Date: 9/20/2021 1:40:00 PM

 Lab ID:
 2109B81-023
 Matrix: SOIL
 Received Date: 9/22/2021 7:10:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	1200	60	mg/Kg	20	9/28/2021 10:16:31 AM	62867
EPA METHOD 8015M/D: DIESEL RANGE ORGA	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	9/24/2021 12:48:43 PM	62799
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	9/24/2021 12:48:43 PM	62799
Surr: DNOP	99.1	70-130	%Rec	1	9/24/2021 12:48:43 PM	62799
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	9/24/2021 5:18:45 PM	62767
Surr: BFB	102	70-130	%Rec	1	9/24/2021 5:18:45 PM	62767
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	9/24/2021 5:18:45 PM	62767
Toluene	ND	0.048	mg/Kg	1	9/24/2021 5:18:45 PM	62767
Ethylbenzene	ND	0.048	mg/Kg	1	9/24/2021 5:18:45 PM	62767
Xylenes, Total	ND	0.096	mg/Kg	1	9/24/2021 5:18:45 PM	62767
Surr: 4-Bromofluorobenzene	89.6	70-130	%Rec	1	9/24/2021 5:18:45 PM	62767

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

Qualifiers:

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

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

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Date Reported: 10/14/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP8-6

 Project:
 Hornbaker BA 2
 Collection Date: 9/20/2021 1:50:00 PM

 Lab ID:
 2109B81-024
 Matrix: SOIL
 Received Date: 9/22/2021 7:10:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	1200	60	mg/Kg	20	9/28/2021 10:53:45 AM	62867
EPA METHOD 8015M/D: DIESEL RANGE ORGA	ANICS				Analyst	SB
Diesel Range Organics (DRO)	64	9.7	mg/Kg	1	9/27/2021 7:05:57 PM	62799
Motor Oil Range Organics (MRO)	160	48	mg/Kg	1	9/27/2021 7:05:57 PM	62799
Surr: DNOP	89.3	70-130	%Rec	1	9/27/2021 7:05:57 PM	62799
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	9/24/2021 6:53:03 PM	62767
Surr: BFB	102	70-130	%Rec	1	9/24/2021 6:53:03 PM	62767
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.024	mg/Kg	1	9/24/2021 6:53:03 PM	62767
Toluene	ND	0.049	mg/Kg	1	9/24/2021 6:53:03 PM	62767
Ethylbenzene	ND	0.049	mg/Kg	1	9/24/2021 6:53:03 PM	62767
Xylenes, Total	ND	0.098	mg/Kg	1	9/24/2021 6:53:03 PM	62767
Surr: 4-Bromofluorobenzene	89.6	70-130	%Rec	1	9/24/2021 6:53:03 PM	62767

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

Qualifiers:

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

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

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Date Reported: 10/14/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP8-12

 Project:
 Hornbaker BA 2
 Collection Date: 9/20/2021 2:10:00 PM

 Lab ID:
 2109B81-025
 Matrix: SOIL
 Received Date: 9/22/2021 7:10:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	610	60	mg/Kg	20	9/28/2021 11:06:10 AM	62867
EPA METHOD 8015M/D: DIESEL RANGE ORGA	ANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	9/24/2021 1:37:15 PM	62799
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	9/24/2021 1:37:15 PM	62799
Surr: DNOP	98.3	70-130	%Rec	1	9/24/2021 1:37:15 PM	62799
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	9/24/2021 7:16:33 PM	62767
Surr: BFB	103	70-130	%Rec	1	9/24/2021 7:16:33 PM	62767
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.024	mg/Kg	1	9/24/2021 7:16:33 PM	62767
Toluene	ND	0.048	mg/Kg	1	9/24/2021 7:16:33 PM	62767
Ethylbenzene	ND	0.048	mg/Kg	1	9/24/2021 7:16:33 PM	62767
Xylenes, Total	ND	0.097	mg/Kg	1	9/24/2021 7:16:33 PM	62767
Surr: 4-Bromofluorobenzene	91.1	70-130	%Rec	1	9/24/2021 7:16:33 PM	62767

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

Qualifiers:

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

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

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Date Reported: 10/14/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP8-18

 Project:
 Hornbaker BA 2
 Collection Date: 9/20/2021 2:50:00 PM

 Lab ID:
 2109B81-027
 Matrix: SOIL
 Received Date: 9/22/2021 7:10:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	860	61	mg/Kg	20	10/4/2021 9:55:13 AM	62988
EPA METHOD 8015M/D: DIESEL RANGE ORGA	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	10/1/2021 9:11:17 PM	62957
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	10/1/2021 9:11:17 PM	62957
Surr: DNOP	78.9	70-130	%Rec	1	10/1/2021 9:11:17 PM	62957
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	10/4/2021 1:18:27 PM	62954
Surr: BFB	108	70-130	%Rec	1	10/4/2021 1:18:27 PM	62954
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	10/4/2021 1:18:27 PM	62954
Toluene	ND	0.048	mg/Kg	1	10/4/2021 1:18:27 PM	62954
Ethylbenzene	ND	0.048	mg/Kg	1	10/4/2021 1:18:27 PM	62954
Xylenes, Total	ND	0.097	mg/Kg	1	10/4/2021 1:18:27 PM	62954
Surr: 4-Bromofluorobenzene	88.5	70-130	%Rec	1	10/4/2021 1:18:27 PM	62954

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

Qualifiers:

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

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

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Date Reported: 10/14/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP8-20

 Project:
 Hornbaker BA 2
 Collection Date: 9/20/2021 3:05:00 PM

 Lab ID:
 2109B81-028
 Matrix: SOIL
 Received Date: 9/22/2021 7:10:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	490	60	mg/Kg	20	9/28/2021 11:18:35 AM	62867
EPA METHOD 8015M/D: DIESEL RANGE ORGA	ANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	9/24/2021 2:01:32 PM	62799
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	9/24/2021 2:01:32 PM	62799
Surr: DNOP	98.5	70-130	%Rec	1	9/24/2021 2:01:32 PM	62799
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	9/24/2021 7:40:02 PM	62767
Surr: BFB	102	70-130	%Rec	1	9/24/2021 7:40:02 PM	62767
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.025	mg/Kg	1	9/24/2021 7:40:02 PM	62767
Toluene	ND	0.049	mg/Kg	1	9/24/2021 7:40:02 PM	62767
Ethylbenzene	ND	0.049	mg/Kg	1	9/24/2021 7:40:02 PM	62767
Xylenes, Total	ND	0.098	mg/Kg	1	9/24/2021 7:40:02 PM	62767
Surr: 4-Bromofluorobenzene	90.9	70-130	%Rec	1	9/24/2021 7:40:02 PM	62767

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

Qualifiers:

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

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2109B81**

Client: GHD Midland
Project: Hornbaker BA 2

Sample ID: MB-62839 SampType: MBLK TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 62839 RunNo: 81597

Prep Date: 9/27/2021 Analysis Date: 9/27/2021 SeqNo: 2883462 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-62839 SampType: LCS TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 62839 RunNo: 81597

Prep Date: 9/27/2021 Analysis Date: 9/27/2021 SeqNo: 2883463 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

Sample ID: MB-62867 SampType: MBLK TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 62867 RunNo: 81605

Prep Date: 9/28/2021 Analysis Date: 9/28/2021 SeqNo: 2885988 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-62867 SampType: LCS TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 62867 RunNo: 81605

Prep Date: 9/28/2021 Analysis Date: 9/28/2021 SeqNo: 2885989 Units: mg/Kg

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

Chloride 15 1.5 15.00 0 97.1 90 110

Chloride 15 1.5 15.00 0 97.1 90 110

Sample ID: MB-62988 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: **PBS** Batch ID: **62988** RunNo: **81780**

Prep Date: 10/2/2021 Analysis Date: 10/4/2021 SeqNo: 2892413 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-62988 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 62988 RunNo: 81780

Prep Date: 10/2/2021 Analysis Date: 10/4/2021 SegNo: 2892414 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 96.4 90 110

Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit POL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

SampType: LCS

WO#: **2109B81** *14-Oct-21*

Client: GHD Midland
Project: Hornbaker BA 2

Sample ID: LCS-62781

Client ID: LCSS	Batch ID: 62781	RunNo	81579				
Prep Date: 9/23/2021	Analysis Date: 9/25/202	SeqNo	SeqNo: 2883289 Units: mg/Kg				
Analyte	Result PQL SPK	alue SPK Ref Val %RE	C LowLimit	HighLimit %RF	PD RPDLimit	Qual	
Diesel Range Organics (DRO)	49 10 5	0.00 0 97	7.5 68.9	135			
Surr: DNOP	4.9	.000 98	3.3 70	130			
Sample ID: LCS-62799	SampType: LCS	TestCode	EPA Method	8015M/D: Diesel Ra	ange Organics		
Client ID: LCSS	Batch ID: 62799	RunNo	81579				
Prep Date: 9/23/2021	Analysis Date: 9/24/202	SeqNo	2883290	Units: mg/Kg			
Analyte	Result PQL SPK	alue SPK Ref Val %RE	C LowLimit	HighLimit %RF	PD RPDLimit	Qual	
Diesel Range Organics (DRO)	48 10 5	0.00 0 95	68.9	135			
Surr: DNOP	4.6	.000 91	.3 70	130			
Sample ID: MB-62781	SampType: MBLK	TestCode	: EPA Method	8015M/D: Diesel Ra	ange Organics		
Client ID: PBS	Batch ID: 62781	RunNo	81579				
D D	A 1 ' D / 2/27/22	0 11		11.5			

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

Batch	n ID: 62	781	F	RunNo: 8	1579				
Analysis D	ate: 9/	25/2021	8	SeqNo: 2	883292	Units: mg/K	g		
Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
ND	10								
ND	50								
10		10.00		103	70	130			
	Analysis D Result ND ND	Analysis Date: 9/ Result PQL ND 10 ND 50	ND 10 ND 50	Analysis Date: 9/25/2021 S Result PQL SPK value SPK Ref Val ND 10 ND 50	Analysis Date: 9/25/2021 SeqNo: 20 Result PQL SPK value SPK Ref Val %REC ND 10 ND 50	Analysis Date: 9/25/2021 SeqNo: 2883292 Result PQL SPK value SPK Ref Val %REC LowLimit ND 10 ND 50	Analysis Date: 9/25/2021 SeqNo: 2883292 Units: mg/K Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit ND 10 ND 50	Analysis Date: 9/25/2021 SeqNo: 2883292 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD ND 10 ND 50	Analysis Date: 9/25/2021 SeqNo: 2883292 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit ND 10 ND 50

Sample ID: MB-62799	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batch	ID: 62	799	R	RunNo: 8	1579				
Prep Date: 9/23/2021	Analysis D	ate: 9/	24/2021	S	SeqNo: 28	883293	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	70	130			

Sample ID: 2109B81-018AMS	SampT	уре: М	3	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: TP6-2	Batch	ID: 62	799	F	RunNo: 8	1594				
Prep Date: 9/23/2021	Analysis D	ate: 9/	27/2021	9	SeqNo: 2	883969	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	9.6	47.80	0	90.7	39.3	155			
Surr: DNOP	3.7		4.780		76.9	70	130			

Qualifiers:

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

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2109B81**

14-Oct-21

Client: GHD Midland
Project: Hornbaker BA 2

Troject.	CI DI L									
Sample ID: 2109B81-018AMS	SD SampT	Гуре: МS	SD	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	Organics	
Client ID: TP6-2	Batcl	h ID: 62	799	F	RunNo: 8	1594				
Prep Date: 9/23/2021	Analysis D)ate: 9/	27/2021	9	SeqNo: 2	883970	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	8.9	44.60	0	95.8	39.3	155	1.45	23.4	
Surr: DNOP	4.2		4.460		94.5	70	130	0	0	
Sample ID: MB-62957	SampT	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batcl	h ID: 62 9	957	F	RunNo: 8	1750				
Prep Date: 9/30/2021	Analysis D)ate: 10)/1/2021	9	SeqNo: 2	890617	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.8		10.00		98.0	70	130			
Sample ID: LCS-62957	SampT	Гуре: LC	s	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batcl	h ID: 62 9	957	F	RunNo: 8	1750				
Prep Date: 9/30/2021	Analysis D)ate: 10)/1/2021	9	SeqNo: 2	890618	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	97.7	68.9	135			
Surr: DNOP	4.9		5.000		98.9	70	130			
Sample ID: 2109B81-002AMS	SampT	Гуре: МS	5	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: TP1-6	Batcl	h ID: 62 9	957	F	RunNo: 8	1750				
Prep Date: 9/30/2021	Analysis D)ate: 10)/1/2021	5	SeqNo: 28	890626	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	38	9.7	48.50	0	77.7	39.3	155			
Surr: DNOP	3.4		4.850		69.7	70	130			S
Sample ID: 2109B81-002AMS	SD SampT	Гуре: МS	SD	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: TP1-6	Batcl	h ID: 62 9	957	F	RunNo: 8	1750				
Prep Date: 9/30/2021	Analysis D)ate: 10)/1/2021	S	SeqNo: 2	890640	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	41	9.6	47.76	0	85.1	39.3	155	7.51	23.4	
Surr: DNOP	3.6			v	75.3	70	100	0	23.4	

Qualifiers:

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

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2109B81** *14-Oct-21*

Client: GHD Midland
Project: Hornbaker BA 2

Sample ID: MB-63053 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: PBS Batch ID: 63053 RunNo: 81862

Prep Date: 10/5/2021 Analysis Date: 10/9/2021 SegNo: 2900885 Units: %Rec

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

Surr: DNOP 9.6 10.00 95.9 70 130

Sample ID: LCS-63053 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: LCSS Batch ID: 63053 RunNo: 81862

Prep Date: 10/5/2021 Analysis Date: 10/9/2021 SeqNo: 2900886 Units: %Rec

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

Surr: DNOP 5.5 5.000 111 70 130

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 26 of 31

Hall Environmental Analysis Laboratory, Inc.

WO#: 2109B81

14-Oct-21

GHD Midland **Client: Project:** Hornbaker BA 2

Sample ID: mb-62766 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 62766 RunNo: 81527

Prep Date: 9/22/2021 Analysis Date: 9/23/2021 SeqNo: 2880290 Units: mq/Kq

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

Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 1000 1000 102 70 130

Sample ID: Ics-62766 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 62766 RunNo: 81527

Prep Date: 9/22/2021 Analysis Date: 9/23/2021 SeqNo: 2880291 Units: mg/Kg

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

Gasoline Range Organics (GRO) 5.0 25.00 118 78.6 131 Surr: BFB 1100 1000 115 70 130

TestCode: EPA Method 8015D: Gasoline Range Sample ID: mb-62767 SampType: MBLK

Client ID: PBS Batch ID: 62767 RunNo: 81560

Prep Date: Analysis Date: 9/24/2021 SeqNo: 2882088 9/22/2021 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 1000 1000 105 70 130

Sample ID: Ics-62767 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 62767 RunNo: 81560

Prep Date: 9/22/2021 Analysis Date: 9/24/2021 SegNo: 2882089 Units: mg/Kg

%RPD Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit **RPDLimit** Qual Gasoline Range Organics (GRO) 28 5.0 25.00 0 113 78.6 131

Surr: BFB 1200 1000 115 70 130

Sample ID: 2109b81-016ams SampType: MS TestCode: EPA Method 8015D: Gasoline Range

Client ID: TP5-6 Batch ID: 62767 RunNo: 81560

Prep Date: 9/22/2021 Analysis Date: 9/24/2021 SeqNo: 2882091 Units: mg/Kg

SPK value SPK Ref Val %REC LowLimit %RPD **RPDLimit** Result POL HighLimit Qual Analyte Gasoline Range Organics (GRO) 26 4.8 24.06 0 110 61.3 114

Surr: BFB 1100 962.5 70 130 110

TestCode: EPA Method 8015D: Gasoline Range Sample ID: 2109b81-016amsd SampType: MSD

Client ID: TP5-6 Batch ID: 62767 RunNo: 81560

Prep Date: 9/22/2021 Analysis Date: 9/24/2021 SeqNo: 2882092 Units: mq/Kq

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

Qualifiers:

Value exceeds Maximum Contaminant Level

Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit POL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix

Analyte detected in the associated Method Blank

Value above quantitation range Е

Analyte detected below quantitation limits

Sample pH Not In Range

RI. Reporting Limit Page 27 of 31

Hall Environmental Analysis Laboratory, Inc.

27

1100

5.0

WO#: 2109B81

14-Oct-21

Client: GHD Midland **Project:** Hornbaker BA 2

Sample ID: 2109b81-016amsd	SampType: MSD TestCode: EPA Method 8015D: Gasoline Range									
Client ID: TP5-6	Batch	ID: 62	767	F	tunNo: 8	1560				
Prep Date: 9/22/2021	Analysis Da	ate: 9/	24/2021	S	SeqNo: 28	882092	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	4.7	23.50	0	111	61.3	114	1.00	20	
Surr: BFB	1100		939.8		114	70	130	0	0	
Sample ID: mb-62954	SampTy	pe: ME	BLK	Tes	tCode: El	PA Method	8015D: Gaso	oline Rang	е	
Client ID: PBS	Batch	ID: 62	954	R	tunNo: 8	1769				
Prep Date: 9/30/2021	Analysis Da	ite: 10)/4/2021	S	SeqNo: 28	891593	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		102	70	130			
Sample ID: Ics-62954	SampTy	pe: LC	s	Tes	tCode: El	PA Method	8015D: Gaso	oline Rang	е	
Client ID: LCSS	Batch	ID: 62	954	F	tunNo: 8	1769				
Prep Date: 9/30/2021	Analysis Da	ate: 10	0/4/2021	S	SeqNo: 28	391594	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Sample ID: 2109b81-002ams	SampT	ype: MS	3	Test	tCode: El	PA Method	8015D: Gaso	line Rang	е	
Client ID: TP1-6	Batch	ID: 62 9	954	R	RunNo: 8	1769				
Prep Date: 9/30/2021	Analysis D	ate: 10	0/4/2021	S	SeqNo: 2	891596	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	23.88	0	108	61.3	114			
Surr: BFB	1100		955.1		118	70	130			

0

109

110

78.6

70

131

130

25.00

1000

Sample ID: 2109b81-002amsd	SampT	ype: M \$	SD	Tes	tCode: El	PA Method	8015D: Gaso	line Range	е	
Client ID: TP1-6	Batch	ID: 62	954	F	RunNo: 8	1769				
Prep Date: 9/30/2021	Analysis D	ate: 10	0/4/2021	S	SeqNo: 2	891597	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	4.7	23.67	0	108	61.3	114	1.08	20	
Surr: BFB	1100		947.0		114	70	130	0	0	

Qualifiers:

Surr: BFB

Gasoline Range Organics (GRO)

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

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2109B81**

14-Oct-21

Client: GHD Midland
Project: Hornbaker BA 2

Sample ID: mb-62766	SampT	Туре: МВ	3LK	Tes	stCode: EF	tiles				
Client ID: PBS	Batcl	h ID: 627	766	F	RunNo: 81	1527				
Prep Date: 9/22/2021	Analysis D)ate: 9/	/23/2021	;	SeqNo: 28	880326	Units: mg/K	ίg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.90		1.000		89.5	70	130			
Sample ID: 1 CS-62766	Sampī	Type: I C	.c	Tor	+Codo: E	DA Mothod	9021B: Volati	tilos		

Sample ID: LCS-62766	SampType: LCS TestCode: EPA Meth						hod 8021B: Volatiles				
Client ID: LCSS	Batch	1D: 62 7	766	F	RunNo: 8	1527					
Prep Date: 9/22/2021	Analysis D	ate: 9/ 2	23/2021	8	SeqNo: 28	880327	Units: mg/K	g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.95	0.025	1.000	0	94.6	80	120				
Toluene	0.96	0.050	1.000	0	96.2	80	120				
Ethylbenzene	0.97	0.050	1.000	0	96.7	80	120				
Xylenes, Total	2.9	0.10	3.000	0	95.4	80	120				
Surr: 4-Bromofluorobenzene	0.94		1.000		94.3	70	130				

Sample ID: mb-62767	SampT	Гуре: МЕ	BLK	TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batcl	h ID: 62	767	F	RunNo: 8	1560				
Prep Date: 9/22/2021	Analysis [Date: 9/	24/2021	8	SeqNo: 2	882133	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		93.3	70	130			

Sample ID: LCS-62767	SampT	ype: LC	S	TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batcl	n ID: 62 7	767	F	RunNo: 8	1560				
Prep Date: 9/22/2021	Analysis D	Date: 9/2	24/2021	9	SeqNo: 28	882134	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	90.4	80	120			
Toluene	0.93	0.050	1.000	0	92.7	80	120			
Ethylbenzene	0.92	0.050	1.000	0	92.4	80	120			
Xylenes, Total	2.8	0.10	3.000	0	91.9	80	120			
Surr: 4-Bromofluorobenzene	0.94		1.000		94.3	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

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2109B81**

14-Oct-21

Client: GHD Midland
Project: Hornbaker BA 2

Sample ID: 2109b81-018ams	SampT	ype: MS	3	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: TP6-2	Batch	n ID: 62 7	767	F	RunNo: 8	1560				
Prep Date: 9/22/2021	Analysis D	ate: 9/ 2	24/2021	5	SeqNo: 2	882137	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	0.9901	0	91.7	80	120			
Toluene	0.94	0.050	0.9901	0 95.3 80 120						
Ethylbenzene	0.96	0.050	0.9901	0 97.2 80 120						
Xylenes, Total	2.8	0.099	2.970	0 95.6 80 120						
Surr: 4-Bromofluorobenzene	0.90		0.9901		91.2	70	130			

Sample ID: 2109b81-018amsd	SampT	ype: MS	SD .	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: TP6-2	Batch	ID: 62 7	767	F	RunNo: 8	1560				
Prep Date: 9/22/2021	Analysis D	ate: 9/ 2	24/2021	S	SeqNo: 28	382138	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.86	0.025	0.9940	0	87.0	80	120	4.90	20	
Toluene	0.89	0.050	0.9940	0	89.4	80	120	5.92	20	
Ethylbenzene	0.90	0.050	0.9940	0	90.2	80	120	7.11	20	
Xylenes, Total	2.7	0.099	2.982	0	88.9	80	120	6.83	20	
Surr: 4-Bromofluorobenzene	0.93		0.9940		93.7	70	130	0	0	

Sample ID: mb-62954	ID: mb-62954 SampType: MBLK				tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batcl	n ID: 62	954	F	RunNo: 8	1769				
Prep Date: 9/30/2021	Analysis [Date: 10	0/4/2021	8	SeqNo: 2	891656	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				00 84.8 70 130					

Sample ID: LCS-62954	SampT	ype: LC	S	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batch	n ID: 62 9	954	F	RunNo: 8	1769				
Prep Date: 9/30/2021	Analysis D	Date: 10	/4/2021	8	SeqNo: 2	891657	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.97	0.025	1.000	0	97.1	80	120			
Toluene	0.98	0.050	1.000	0	98.2	80	120			
Ethylbenzene	0.97	0.050	1.000	0 97.3 80			120			
Xylenes, Total	2.9	0.10	3.000	0 95.1 80			120			
Surr: 4-Bromofluorobenzene	0.88		1.000		87.7	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 Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2109B81**

14-Oct-21

Client: GHD Midland
Project: Hornbaker BA 2

Sample ID: 2109b81-003ams	SampT	уре: м	3	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: TP1-10	Batcl	h ID: 629	954	F	RunNo: 8	1769				
Prep Date: 9/30/2021	Analysis D	Date: 10	/4/2021	8	SeqNo: 2	891660	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	ue SPK Ref Val %REC LowLimit			HighLimit	%RPD	RPDLimit	Qual
Benzene	0.84	0.023	0.9390	.9390 0 89.6 80			120			
Toluene	0.86	0.047	0.9390	0 91.1 80			120			
Ethylbenzene	0.85	0.047	0.9390	0 90.4 80			120			
Xylenes, Total	2.5	0.094	2.817	0 89.1 80			120			
Surr: 4-Bromofluorobenzene	0.81		0.9390		85.9	70	130			

Sample ID: 2109b81-003amsd	SampT	уре: М	SD	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: TP1-10	Batcl	n ID: 62 9	954	F	RunNo: 8	1769				
Prep Date: 9/30/2021	Analysis D	oate: 10	0/4/2021	S	SeqNo: 2	891661	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.83	0.024	0.9606	0	86.0	80	120	1.74	20	
Toluene	0.84	0.048	0.9606	0	87.4	80	120	1.90	20	
Ethylbenzene	0.85	0.048	0.9606	0	88.0	80	120	0.456	20	
Xylenes, Total	2.5	0.096	2.882	32 0 86.4 80 120 0.816						
Surr: 4-Bromofluorobenzene	0.83							0	0	

Qualifiers:

Page 31 of 31

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

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

Sample Log-In Check List

Client Name: GHD Midland	Work Order Numl	per: 2109B81		RcptNo: 1
Received By: Cheyenne Cason	9/22/2021 7:10:00	AM	Chal	
Completed By: Sean Livingston	9/22/2021 9:11:15	AM	< /	,
Reviewed By: CnC	9/22/21		Salye	7/10
Chain of Custody				
1. Is Chain of Custody complete?		Yes 🗸	No 🗆	Not Present
2. How was the sample delivered?		Courier		
Log In				
3. Was an attempt made to cool the samp	oles?	Yes 🗸	No 🗌	NA 🗔
4. Were all samples received at a tempera	ature of >0° C to 6.0°C	Yes 🗸	No 🗌	NA 🗆
5. Sample(s) in proper container(s)?		Yes 🔽	No 🗆	
6. Sufficient sample volume for indicated t	est(s)?	Yes 🗸	No 🗌	
7. Are samples (except VOA and ONG) pr	operly preserved?	Yes 🗸	No 🗌	
8. Was preservative added to bottles?		Yes	No 🗸	NA 🗆
9. Received at least 1 vial with headspace	<1/4" for AQ VOA?	Yes	No 🗌	NA 🗹
Were any sample containers received to	oroken?	Yes	No 🗸 🖁	of preserved
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody	()	Yes 🗸	bi	ottles checked or pH: (<2 or >12 unless noted)
2. Are matrices correctly identified on Cha		Yes 🗸	No 🗆	Adjusted?
3. Is it clear what analyses were requested	1?	Yes 🗸	No 🗌	
4. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes 🗸	No 🗆	Checked by: 3 1 9 2 2
Special Handling (if applicable)			1	
15. Was client notified of all discrepancies	with this order?	Yes	No 🗌	NA 🗸
Person Notified:	Date:			
By Whom:	Via:		Phone Fax	In Person
Regarding:				
Client Instructions:				
16. Additional remarks:				
17. Cooler Information Cooler No Temp °C Condition 1 1.1 Good	Seal Intact Seal No	Seal Date	Signed By	

$\overline{\mathbf{o}}$	nain	-of-C	Chain-of-Custody Record	Turn-Around	nd Time:		_	1			-	5 101	S			
Client: (GHD			- Do Standard	ard Rush	0				HA	1	N	2	0	HALL ENVIRONMENTA	reived =
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Mailing Address:	ddress	isi		Harry	John R	C# A		1001	www.hall	WW	halle.	nviron	www.hallenvironmental.com	Com		
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Phone #:		(505)377-4218	7-4218	1122	2898C			Ď	202-242-3872	40-35	(C)	Fax	Analysis Bosine	45-41	07	
email or Fax#:	Fax#:	Becky.H	Becky.Haskell@ghd.com	Project Manager	nager;		1	(L			t yells	mbay	JS:		
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□ Standard	ard		☐ Level 4 (Full Validation)	Tom Larson	_)8) s		<u> </u>	WIS	.00	140		sdA\	dun	
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				Cooler Temp(including CF);	-	2-0.1=1.1	TM			83	_	-1.1		mon ()	ta	
Date T	Time	Matrix	Sample Name	Container Type and #	Preservative Type	r	\ X∃T	108:H9 99 180	DB (W	(d sHA	CKA 8 I, F, Bi	ON) 097	95) 027	otal Col	10 fr	
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-		Relinquished by:	, 0	Received by:	Via:	-		Matthe	ew.La	ughlin	@ghc lis	hd.com: Alor listed above	Along	with	Matthew.Laughlin@ghd.com: Along with Becky Haskell listed above	
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	cessary, s	samples subn	ir necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories.	ntracted to other a	accredited laboratorie		ilidissod a	ty. Any su	ub-contr	acted da	ita will b	e clearly	notated o	on the ar	alytical report.	59 0

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.

Relinquished by:

ime:

P1212

1800

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Relinquished by

lime:

Date:

Mailing Address:

Client: GHD

(505)377-4218

QA/QC Package

□ Standard

email or Fax#:

Phone #:

□ Other

□ NELAC

Accreditation:

EDD (Type)

Time

Date

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

October 14, 2021

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

TEL: (432) 686-0086

FAX

RE: Hornbaker BA 2 OrderNo.: 2109C66

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 22 sample(s) on 9/23/2021 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued September 30, 2021.

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. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

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

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 10/14/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP9-2

 Project:
 Hornbaker BA 2
 Collection Date: 9/21/2021 7:35:00 AM

 Lab ID:
 2109C66-001
 Matrix: SOIL
 Received Date: 9/23/2021 7:30:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	2200	150	mg/Kg	50	9/29/2021 10:16:24 AM	62881
EPA METHOD 8015M/D: DIESEL RANGE ORGA	ANICS				Analyst	SB
Diesel Range Organics (DRO)	56	9.9	mg/Kg	1	9/28/2021 4:20:07 PM	62795
Motor Oil Range Organics (MRO)	270	49	mg/Kg	1	9/28/2021 4:20:07 PM	62795
Surr: DNOP	111	70-130	%Rec	1	9/28/2021 4:20:07 PM	62795
EPA METHOD 8015D: GASOLINE RANGE					Analyst	mb
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	9/24/2021 9:59:00 AM	62793
Surr: BFB	90.6	70-130	%Rec	1	9/24/2021 9:59:00 AM	62793
EPA METHOD 8021B: VOLATILES					Analyst	mb
Benzene	ND	0.024	mg/Kg	1	9/24/2021 9:59:00 AM	62793
Toluene	ND	0.047	mg/Kg	1	9/24/2021 9:59:00 AM	62793
Ethylbenzene	ND	0.047	mg/Kg	1	9/24/2021 9:59:00 AM	62793
Xylenes, Total	ND	0.094	mg/Kg	1	9/24/2021 9:59:00 AM	62793
Surr: 4-Bromofluorobenzene	76.4	70-130	%Rec	1	9/24/2021 9:59:00 AM	62793

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

Qualifiers:

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

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

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Date Reported: 10/14/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP9-6

 Project:
 Hornbaker BA 2
 Collection Date: 9/21/2021 7:45:00 AM

 Lab ID:
 2109C66-002
 Matrix: SOIL
 Received Date: 9/23/2021 7:30:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	1500	59	mg/Kg	20	10/4/2021 10:07:37 AM	62988
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	10/1/2021 9:34:53 PM	62957
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	10/1/2021 9:34:53 PM	62957
Surr: DNOP	71.9	70-130	%Rec	1	10/1/2021 9:34:53 PM	62957
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	10/4/2021 1:42:08 PM	62954
Surr: BFB	106	70-130	%Rec	1	10/4/2021 1:42:08 PM	62954
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.023	mg/Kg	1	10/4/2021 1:42:08 PM	62954
Toluene	ND	0.046	mg/Kg	1	10/4/2021 1:42:08 PM	62954
Ethylbenzene	ND	0.046	mg/Kg	1	10/4/2021 1:42:08 PM	62954
Xylenes, Total	ND	0.093	mg/Kg	1	10/4/2021 1:42:08 PM	62954
Surr: 4-Bromofluorobenzene	86.9	70-130	%Rec	1	10/4/2021 1:42:08 PM	62954

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

Qualifiers:

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

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

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Date Reported: 10/14/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP9-10

 Project:
 Hornbaker BA 2
 Collection Date: 9/21/2021 8:00:00 AM

 Lab ID:
 2109C66-003
 Matrix: SOIL
 Received Date: 9/23/2021 7:30:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	1300	60	mg/Kg	20	10/4/2021 10:20:02 AM	62988
EPA METHOD 8015M/D: DIESEL RANGE ORGA	ANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	10/1/2021 9:58:31 PM	62957
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	10/1/2021 9:58:31 PM	62957
Surr: DNOP	83.8	70-130	%Rec	1	10/1/2021 9:58:31 PM	62957
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	10/4/2021 2:05:32 PM	62954
Surr: BFB	105	70-130	%Rec	1	10/4/2021 2:05:32 PM	62954
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.025	mg/Kg	1	10/4/2021 2:05:32 PM	62954
Toluene	ND	0.049	mg/Kg	1	10/4/2021 2:05:32 PM	62954
Ethylbenzene	ND	0.049	mg/Kg	1	10/4/2021 2:05:32 PM	62954
Xylenes, Total	ND	0.099	mg/Kg	1	10/4/2021 2:05:32 PM	62954
Surr: 4-Bromofluorobenzene	87.1	70-130	%Rec	1	10/4/2021 2:05:32 PM	62954

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

Qualifiers:

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

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

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Date Reported: 10/14/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP9-14

 Project:
 Hornbaker BA 2
 Collection Date: 9/21/2021 8:20:00 AM

 Lab ID:
 2109C66-004
 Matrix: SOIL
 Received Date: 9/23/2021 7:30:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	950	60	mg/Kg	20	10/4/2021 10:32:26 AM	62988
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	10/1/2021 10:22:11 PM	62957
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	10/1/2021 10:22:11 PM	62957
Surr: DNOP	76.0	70-130	%Rec	1	10/1/2021 10:22:11 PM	62957
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	10/4/2021 2:29:01 PM	62954
Surr: BFB	107	70-130	%Rec	1	10/4/2021 2:29:01 PM	62954
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	10/4/2021 2:29:01 PM	62954
Toluene	ND	0.049	mg/Kg	1	10/4/2021 2:29:01 PM	62954
Ethylbenzene	ND	0.049	mg/Kg	1	10/4/2021 2:29:01 PM	62954
Xylenes, Total	ND	0.098	mg/Kg	1	10/4/2021 2:29:01 PM	62954
Surr: 4-Bromofluorobenzene	88.6	70-130	%Rec	1	10/4/2021 2:29:01 PM	62954

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

Qualifiers:

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

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

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Date Reported: 10/14/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP9-17

 Project:
 Hornbaker BA 2
 Collection Date: 9/21/2021 8:40:00 AM

 Lab ID:
 2109C66-005
 Matrix: SOIL
 Received Date: 9/23/2021 7:30:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	550	60	mg/Kg	20	10/4/2021 10:44:52 AM	62988
EPA METHOD 8015M/D: DIESEL RANGE ORGA	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	10/1/2021 10:45:48 PM	62957
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	10/1/2021 10:45:48 PM	62957
Surr: DNOP	79.8	70-130	%Rec	1	10/1/2021 10:45:48 PM	62957
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	10/4/2021 4:03:05 PM	62954
Surr: BFB	103	70-130	%Rec	1	10/4/2021 4:03:05 PM	62954
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	10/4/2021 4:03:05 PM	62954
Toluene	ND	0.049	mg/Kg	1	10/4/2021 4:03:05 PM	62954
Ethylbenzene	ND	0.049	mg/Kg	1	10/4/2021 4:03:05 PM	62954
Xylenes, Total	ND	0.098	mg/Kg	1	10/4/2021 4:03:05 PM	62954
Surr: 4-Bromofluorobenzene	85.1	70-130	%Rec	1	10/4/2021 4:03:05 PM	62954

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

Qualifiers:

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

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

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Date Reported: 10/14/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP9-19

 Project:
 Hornbaker BA 2
 Collection Date: 9/21/2021 9:00:00 AM

 Lab ID:
 2109C66-006
 Matrix: SOIL
 Received Date: 9/23/2021 7:30:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	300	59	mg/Kg	20	10/4/2021 10:57:17 AM	62988
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	10/1/2021 11:09:24 PM	62957
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	10/1/2021 11:09:24 PM	62957
Surr: DNOP	93.4	70-130	%Rec	1	10/1/2021 11:09:24 PM	62957
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	10/4/2021 4:26:36 PM	62954
Surr: BFB	104	70-130	%Rec	1	10/4/2021 4:26:36 PM	62954
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	10/4/2021 4:26:36 PM	62954
Toluene	ND	0.049	mg/Kg	1	10/4/2021 4:26:36 PM	62954
Ethylbenzene	ND	0.049	mg/Kg	1	10/4/2021 4:26:36 PM	62954
Xylenes, Total	ND	0.097	mg/Kg	1	10/4/2021 4:26:36 PM	62954
Surr: 4-Bromofluorobenzene	86.6	70-130	%Rec	1	10/4/2021 4:26:36 PM	62954

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

Qualifiers:

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

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

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Date Reported: 10/14/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP10-2

 Project:
 Hornbaker BA 2
 Collection Date: 9/21/2021 9:40:00 AM

 Lab ID:
 2109C66-007
 Matrix: SOIL
 Received Date: 9/23/2021 7:30:00 AM

Analyses	Result	PQL	Qual Uni	ts DI	F Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: VP
Chloride	1100	60	mg/	Kg 20	9/29/2021 12:57:46 AM	A 62881
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	t: SB
Diesel Range Organics (DRO)	ND	10	mg/	Kg 1	9/28/2021 6:26:34 PM	62795
Motor Oil Range Organics (MRO)	ND	50	mg/	Kg 1	9/28/2021 6:26:34 PM	62795
Surr: DNOP	91.3	70-130	%R	ec 1	9/28/2021 6:26:34 PM	62795
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: mb
Gasoline Range Organics (GRO)	ND	4.9	mg/	Kg 1	9/24/2021 11:56:00 AM	Л 62793
Surr: BFB	91.8	70-130	%R	ec 1	9/24/2021 11:56:00 AM	A 62793
EPA METHOD 8021B: VOLATILES					Analys	t: mb
Benzene	ND	0.025	mg/	Kg 1	9/24/2021 11:56:00 AM	Л 62793
Toluene	ND	0.049	mg/	Kg 1	9/24/2021 11:56:00 AM	И 62793
Ethylbenzene	ND	0.049	mg/	Kg 1	9/24/2021 11:56:00 AM	A 62793
Xylenes, Total	ND	0.099	mg/	Kg 1	9/24/2021 11:56:00 AM	A 62793
Surr: 4-Bromofluorobenzene	76.6	70-130	%R	ec 1	9/24/2021 11:56:00 AM	A 62793

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

Qualifiers:

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

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

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Date Reported: 10/14/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP10-6

 Project:
 Hornbaker BA 2
 Collection Date: 9/21/2021 9:50:00 AM

 Lab ID:
 2109C66-008
 Matrix: SOIL
 Received Date: 9/23/2021 7:30:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	270	61	mg/Kg	20	10/4/2021 11:09:41 AM	62988
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	10/1/2021 11:33:00 PM	62957
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	10/1/2021 11:33:00 PM	62957
Surr: DNOP	88.0	70-130	%Rec	1	10/1/2021 11:33:00 PM	62957
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	10/4/2021 4:50:03 PM	62954
Surr: BFB	103	70-130	%Rec	1	10/4/2021 4:50:03 PM	62954
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	10/4/2021 4:50:03 PM	62954
Toluene	ND	0.049	mg/Kg	1	10/4/2021 4:50:03 PM	62954
Ethylbenzene	ND	0.049	mg/Kg	1	10/4/2021 4:50:03 PM	62954
Xylenes, Total	ND	0.098	mg/Kg	1	10/4/2021 4:50:03 PM	62954
Surr: 4-Bromofluorobenzene	86.0	70-130	%Rec	1	10/4/2021 4:50:03 PM	62954

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

Qualifiers:

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

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

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Date Reported: 10/14/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP10-8

 Project:
 Hornbaker BA 2
 Collection Date: 9/21/2021 10:00:00 AM

 Lab ID:
 2109C66-009
 Matrix: SOIL
 Received Date: 9/23/2021 7:30:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	380	60	mg/Kg	20	10/4/2021 11:22:05 AM	62988
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	10/1/2021 11:56:37 PM	62957
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	10/1/2021 11:56:37 PM	62957
Surr: DNOP	97.4	70-130	%Rec	1	10/1/2021 11:56:37 PM	62957
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	10/4/2021 5:13:48 PM	62954
Surr: BFB	102	70-130	%Rec	1	10/4/2021 5:13:48 PM	62954
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	10/4/2021 5:13:48 PM	62954
Toluene	ND	0.047	mg/Kg	1	10/4/2021 5:13:48 PM	62954
Ethylbenzene	ND	0.047	mg/Kg	1	10/4/2021 5:13:48 PM	62954
Xylenes, Total	ND	0.095	mg/Kg	1	10/4/2021 5:13:48 PM	62954
Surr: 4-Bromofluorobenzene	83.6	70-130	%Rec	1	10/4/2021 5:13:48 PM	62954

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

Qualifiers:

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

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

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Date Reported: 10/14/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP10-10

 Project:
 Hornbaker BA 2
 Collection Date: 9/21/2021 10:10:00 AM

 Lab ID:
 2109C66-010
 Matrix: SOIL
 Received Date: 9/23/2021 7:30:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	75	60	mg/Kg	20	10/4/2021 11:34:30 AM	62988
EPA METHOD 8015M/D: DIESEL RANGE ORGA	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	10/2/2021 12:20:14 AM	62957
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	10/2/2021 12:20:14 AM	62957
Surr: DNOP	73.1	70-130	%Rec	1	10/2/2021 12:20:14 AM	62957
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	10/4/2021 5:37:18 PM	62954
Surr: BFB	105	70-130	%Rec	1	10/4/2021 5:37:18 PM	62954
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.023	mg/Kg	1	10/4/2021 5:37:18 PM	62954
Toluene	ND	0.047	mg/Kg	1	10/4/2021 5:37:18 PM	62954
Ethylbenzene	ND	0.047	mg/Kg	1	10/4/2021 5:37:18 PM	62954
Xylenes, Total	ND	0.093	mg/Kg	1	10/4/2021 5:37:18 PM	62954
Surr: 4-Bromofluorobenzene	87.0	70-130	%Rec	1	10/4/2021 5:37:18 PM	62954

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

Qualifiers:

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

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

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Date Reported: 10/14/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP11-S

 Project:
 Hornbaker BA 2
 Collection Date: 9/21/2021 10:20:00 AM

 Lab ID:
 2109C66-011
 Matrix: SOIL
 Received Date: 9/23/2021 7:30:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	ND	60	mg/Kg	20	9/29/2021 1:35:00 AM	62881
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	9/24/2021 12:28:04 PM	62795
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	9/24/2021 12:28:04 PM	62795
Surr: DNOP	81.0	70-130	%Rec	1	9/24/2021 12:28:04 PM	62795
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: mb
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	9/24/2021 12:16:00 PM	62793
Surr: BFB	86.4	70-130	%Rec	1	9/24/2021 12:16:00 PM	62793
EPA METHOD 8021B: VOLATILES					Analyst	: mb
Benzene	ND	0.025	mg/Kg	1	9/24/2021 12:16:00 PM	62793
Toluene	ND	0.049	mg/Kg	1	9/24/2021 12:16:00 PM	62793
Ethylbenzene	ND	0.049	mg/Kg	1	9/24/2021 12:16:00 PM	62793
Xylenes, Total	ND	0.099	mg/Kg	1	9/24/2021 12:16:00 PM	62793
Surr: 4-Bromofluorobenzene	75.7	70-130	%Rec	1	9/24/2021 12:16:00 PM	62793

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

Qualifiers:

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

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

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Date Reported: 10/14/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP11-2

 Project:
 Hornbaker BA 2
 Collection Date: 9/21/2021 10:30:00 AM

 Lab ID:
 2109C66-012
 Matrix: SOIL
 Received Date: 9/23/2021 7:30:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed Ba	atch
EPA METHOD 300.0: ANIONS					Analyst: VP	>
Chloride	ND	60	mg/Kg	20	9/29/2021 1:47:24 AM 628	2881
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst: SB	3
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	9/24/2021 12:40:30 PM 627	2795
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	9/24/2021 12:40:30 PM 627	2795
Surr: DNOP	101	70-130	%Rec	1	9/24/2021 12:40:30 PM 627	2795
EPA METHOD 8015D: GASOLINE RANGE					Analyst: mb	b
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	9/24/2021 12:36:00 PM 627	2793
Surr: BFB	91.0	70-130	%Rec	1	9/24/2021 12:36:00 PM 627	2793
EPA METHOD 8021B: VOLATILES					Analyst: mb	b
Benzene	ND	0.025	mg/Kg	1	9/24/2021 12:36:00 PM 627	2793
Toluene	ND	0.050	mg/Kg	1	9/24/2021 12:36:00 PM 627	2793
Ethylbenzene	ND	0.050	mg/Kg	1	9/24/2021 12:36:00 PM 627	2793
Xylenes, Total	ND	0.099	mg/Kg	1	9/24/2021 12:36:00 PM 627	2793
Surr: 4-Bromofluorobenzene	78.2	70-130	%Rec	1	9/24/2021 12:36:00 PM 627	2793

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

Qualifiers:

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

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

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Date Reported: 10/14/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP12-S

 Project:
 Hornbaker BA 2
 Collection Date: 9/21/2021 10:35:00 AM

 Lab ID:
 2109C66-013
 Matrix: SOIL
 Received Date: 9/23/2021 7:30:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed Batc	:h
EPA METHOD 300.0: ANIONS					Analyst: VP	
Chloride	ND	60	mg/Kg	20	9/29/2021 1:59:49 AM 6288	31
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst: SB	
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	9/24/2021 12:52:56 PM 6279	15
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	9/24/2021 12:52:56 PM 6279	15
Surr: DNOP	112	70-130	%Rec	1	9/24/2021 12:52:56 PM 6279	5
EPA METHOD 8015D: GASOLINE RANGE					Analyst: mb	
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	9/24/2021 12:55:00 PM 6279	13
Surr: BFB	90.4	70-130	%Rec	1	9/24/2021 12:55:00 PM 6279	13
EPA METHOD 8021B: VOLATILES					Analyst: mb	
Benzene	ND	0.024	mg/Kg	1	9/24/2021 12:55:00 PM 6279	13
Toluene	ND	0.048	mg/Kg	1	9/24/2021 12:55:00 PM 6279	13
Ethylbenzene	ND	0.048	mg/Kg	1	9/24/2021 12:55:00 PM 6279	13
Xylenes, Total	ND	0.096	mg/Kg	1	9/24/2021 12:55:00 PM 6279	13
Surr: 4-Bromofluorobenzene	78.0	70-130	%Rec	1	9/24/2021 12:55:00 PM 6279	13

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

Qualifiers:

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

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

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Date Reported: 10/14/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP12-2

 Project:
 Hornbaker BA 2
 Collection Date: 9/21/2021 10:40:00 AM

 Lab ID:
 2109C66-014
 Matrix: SOIL
 Received Date: 9/23/2021 7:30:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	:: VP
Chloride	ND	60	mg/Kg	20	9/29/2021 2:12:14 AM	62881
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	:: SB
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	9/28/2021 6:02:46 PM	62795
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	9/28/2021 6:02:46 PM	62795
Surr: DNOP	81.0	70-130	%Rec	1	9/28/2021 6:02:46 PM	62795
EPA METHOD 8015D: GASOLINE RANGE					Analys	:: mb
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	9/24/2021 1:15:00 PM	62793
Surr: BFB	91.3	70-130	%Rec	1	9/24/2021 1:15:00 PM	62793
EPA METHOD 8021B: VOLATILES					Analys	:: mb
Benzene	ND	0.024	mg/Kg	1	9/24/2021 1:15:00 PM	62793
Toluene	ND	0.048	mg/Kg	1	9/24/2021 1:15:00 PM	62793
Ethylbenzene	ND	0.048	mg/Kg	1	9/24/2021 1:15:00 PM	62793
Xylenes, Total	ND	0.097	mg/Kg	1	9/24/2021 1:15:00 PM	62793
Surr: 4-Bromofluorobenzene	79.2	70-130	%Rec	1	9/24/2021 1:15:00 PM	62793

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

Qualifiers:

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

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

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Date Reported: 10/14/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP13-2

 Project:
 Hornbaker BA 2
 Collection Date: 9/21/2021 10:50:00 AM

 Lab ID:
 2109C66-015
 Matrix: SOIL
 Received Date: 9/23/2021 7:30:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	200	60	mg/Kg	20	9/29/2021 2:24:39 AM	62881
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	9/24/2021 1:17:33 PM	62795
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	9/24/2021 1:17:33 PM	62795
Surr: DNOP	90.5	70-130	%Rec	1	9/24/2021 1:17:33 PM	62795
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: mb
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	9/24/2021 2:14:00 PM	62793
Surr: BFB	90.2	70-130	%Rec	1	9/24/2021 2:14:00 PM	62793
EPA METHOD 8021B: VOLATILES					Analyst	: mb
Benzene	ND	0.024	mg/Kg	1	9/24/2021 2:14:00 PM	62793
Toluene	ND	0.048	mg/Kg	1	9/24/2021 2:14:00 PM	62793
Ethylbenzene	ND	0.048	mg/Kg	1	9/24/2021 2:14:00 PM	62793
Xylenes, Total	ND	0.096	mg/Kg	1	9/24/2021 2:14:00 PM	62793
Surr: 4-Bromofluorobenzene	75.7	70-130	%Rec	1	9/24/2021 2:14:00 PM	62793

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

Qualifiers:

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

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

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Date Reported: 10/14/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP13-4

 Project:
 Hornbaker BA 2
 Collection Date: 9/21/2021 11:00:00 AM

 Lab ID:
 2109C66-016
 Matrix: SOIL
 Received Date: 9/23/2021 7:30:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	240	60	mg/Kg	20	9/29/2021 2:37:04 AM	62881
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	9/24/2021 1:29:56 PM	62795
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	9/24/2021 1:29:56 PM	62795
Surr: DNOP	82.2	70-130	%Rec	1	9/24/2021 1:29:56 PM	62795
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: mb
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	9/24/2021 2:34:00 PM	62793
Surr: BFB	85.5	70-130	%Rec	1	9/24/2021 2:34:00 PM	62793
EPA METHOD 8021B: VOLATILES					Analyst	: mb
Benzene	ND	0.025	mg/Kg	1	9/24/2021 2:34:00 PM	62793
Toluene	ND	0.049	mg/Kg	1	9/24/2021 2:34:00 PM	62793
Ethylbenzene	ND	0.049	mg/Kg	1	9/24/2021 2:34:00 PM	62793
Xylenes, Total	ND	0.098	mg/Kg	1	9/24/2021 2:34:00 PM	62793
Surr: 4-Bromofluorobenzene	77.0	70-130	%Rec	1	9/24/2021 2:34:00 PM	62793

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

Qualifiers:

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

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

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Date Reported: 10/14/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP14-S

 Project:
 Hornbaker BA 2
 Collection Date: 9/21/2021 11:05:00 AM

 Lab ID:
 2109C66-017
 Matrix: SOIL
 Received Date: 9/23/2021 7:30:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	130	60	mg/Kg	20	9/29/2021 2:49:29 AM	62881
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	11	9.6	mg/Kg	1	9/24/2021 1:42:19 PM	62795
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	9/24/2021 1:42:19 PM	62795
Surr: DNOP	72.4	70-130	%Rec	1	9/24/2021 1:42:19 PM	62795
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: mb
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	9/24/2021 3:33:00 PM	62793
Surr: BFB	89.7	70-130	%Rec	1	9/24/2021 3:33:00 PM	62793
EPA METHOD 8021B: VOLATILES					Analyst	: mb
Benzene	ND	0.025	mg/Kg	1	9/24/2021 3:33:00 PM	62793
Toluene	ND	0.049	mg/Kg	1	9/24/2021 3:33:00 PM	62793
Ethylbenzene	ND	0.049	mg/Kg	1	9/24/2021 3:33:00 PM	62793
Xylenes, Total	ND	0.098	mg/Kg	1	9/24/2021 3:33:00 PM	62793
Surr: 4-Bromofluorobenzene	77.2	70-130	%Rec	1	9/24/2021 3:33:00 PM	62793

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

Qualifiers:

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

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

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Date Reported: 10/14/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP14-2

 Project:
 Hornbaker BA 2
 Collection Date: 9/21/2021 11:10:00 AM

 Lab ID:
 2109C66-018
 Matrix: SOIL
 Received Date: 9/23/2021 7:30:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: VP
Chloride	83	59	mg/Kg	20	9/29/2021 3:01:54 AM	62881
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	t: SB
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	9/24/2021 1:54:56 PM	62795
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	9/24/2021 1:54:56 PM	62795
Surr: DNOP	73.7	70-130	%Rec	1	9/24/2021 1:54:56 PM	62795
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: mb
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	9/24/2021 3:52:00 PM	62793
Surr: BFB	92.6	70-130	%Rec	1	9/24/2021 3:52:00 PM	62793
EPA METHOD 8021B: VOLATILES					Analys	t: mb
Benzene	ND	0.023	mg/Kg	1	9/24/2021 3:52:00 PM	62793
Toluene	ND	0.046	mg/Kg	1	9/24/2021 3:52:00 PM	62793
Ethylbenzene	ND	0.046	mg/Kg	1	9/24/2021 3:52:00 PM	62793
Xylenes, Total	ND	0.093	mg/Kg	1	9/24/2021 3:52:00 PM	62793
Surr: 4-Bromofluorobenzene	78.6	70-130	%Rec	1	9/24/2021 3:52:00 PM	62793

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

Qualifiers:

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

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

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Date Reported: 10/14/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP15-S

 Project:
 Hornbaker BA 2
 Collection Date: 9/21/2021 11:20:00 AM

 Lab ID:
 2109C66-019
 Matrix: SOIL
 Received Date: 9/23/2021 7:30:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	ND	60	mg/Kg	20	9/29/2021 3:14:19 AM	62881
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	9/24/2021 2:07:19 PM	62795
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	9/24/2021 2:07:19 PM	62795
Surr: DNOP	81.4	70-130	%Rec	1	9/24/2021 2:07:19 PM	62795
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: mb
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	9/24/2021 4:12:00 PM	62793
Surr: BFB	91.6	70-130	%Rec	1	9/24/2021 4:12:00 PM	62793
EPA METHOD 8021B: VOLATILES					Analyst	: mb
Benzene	ND	0.025	mg/Kg	1	9/24/2021 4:12:00 PM	62793
Toluene	ND	0.049	mg/Kg	1	9/24/2021 4:12:00 PM	62793
Ethylbenzene	ND	0.049	mg/Kg	1	9/24/2021 4:12:00 PM	62793
Xylenes, Total	ND	0.099	mg/Kg	1	9/24/2021 4:12:00 PM	62793
Surr: 4-Bromofluorobenzene	77.9	70-130	%Rec	1	9/24/2021 4:12:00 PM	62793

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

Qualifiers:

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

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

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Date Reported: 10/14/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP15-2

 Project:
 Hornbaker BA 2
 Collection Date: 9/21/2021 11:25:00 AM

 Lab ID:
 2109C66-020
 Matrix: SOIL
 Received Date: 9/23/2021 7:30:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	99	60	mg/Kg	20	9/29/2021 3:26:44 AM	62881
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	9/24/2021 2:19:55 PM	62795
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	9/24/2021 2:19:55 PM	62795
Surr: DNOP	91.2	70-130	%Rec	1	9/24/2021 2:19:55 PM	62795
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: mb
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	9/24/2021 4:32:00 PM	62793
Surr: BFB	91.1	70-130	%Rec	1	9/24/2021 4:32:00 PM	62793
EPA METHOD 8021B: VOLATILES					Analyst	: mb
Benzene	ND	0.024	mg/Kg	1	9/24/2021 4:32:00 PM	62793
Toluene	ND	0.049	mg/Kg	1	9/24/2021 4:32:00 PM	62793
Ethylbenzene	ND	0.049	mg/Kg	1	9/24/2021 4:32:00 PM	62793
Xylenes, Total	ND	0.098	mg/Kg	1	9/24/2021 4:32:00 PM	62793
Surr: 4-Bromofluorobenzene	79.4	70-130	%Rec	1	9/24/2021 4:32:00 PM	62793

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

Qualifiers:

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

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

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Date Reported: 10/14/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP16-S

 Project:
 Hornbaker BA 2
 Collection Date: 9/21/2021 12:40:00 PM

 Lab ID:
 2109C66-021
 Matrix: SOIL
 Received Date: 9/23/2021 7:30:00 AM

Analyses	Result	PQL	Qual Uni	ts DI	F Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: VP
Chloride	ND	60	mg/	K g 20	9/29/2021 4:03:58 AM	62881
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	t: SB
Diesel Range Organics (DRO)	ND	9.7	mg/	Kg 1	9/24/2021 2:32:22 PM	62795
Motor Oil Range Organics (MRO)	ND	49	mg/	K g 1	9/24/2021 2:32:22 PM	62795
Surr: DNOP	78.2	70-130	%R	ec 1	9/24/2021 2:32:22 PM	62795
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: mb
Gasoline Range Organics (GRO)	ND	4.8	mg/	Kg 1	9/24/2021 4:52:00 PM	62793
Surr: BFB	93.2	70-130	%R	ec 1	9/24/2021 4:52:00 PM	62793
EPA METHOD 8021B: VOLATILES					Analys	t: mb
Benzene	ND	0.024	mg/	Kg 1	9/24/2021 4:52:00 PM	62793
Toluene	ND	0.048	mg/	K g 1	9/24/2021 4:52:00 PM	62793
Ethylbenzene	ND	0.048	mg/	Kg 1	9/24/2021 4:52:00 PM	62793
Xylenes, Total	ND	0.097	mg/	K g 1	9/24/2021 4:52:00 PM	62793
Surr: 4-Bromofluorobenzene	78.9	70-130	%R	ec 1	9/24/2021 4:52:00 PM	62793

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

Qualifiers:

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

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

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Date Reported: 10/14/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP16-2

 Project:
 Hornbaker BA 2
 Collection Date: 9/21/2021 12:50:00 PM

 Lab ID:
 2109C66-022
 Matrix: SOIL
 Received Date: 9/23/2021 7:30:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	ND	60	mg/Kg	20	9/29/2021 4:16:23 AM	62881
EPA METHOD 8015M/D: DIESEL RANGE ORGA	ANICS				Analyst	SB
Diesel Range Organics (DRO)	66	9.9	mg/Kg	1	9/27/2021 8:33:44 PM	62795
Motor Oil Range Organics (MRO)	170	50	mg/Kg	1	9/27/2021 8:33:44 PM	62795
Surr: DNOP	87.7	70-130	%Rec	1	9/27/2021 8:33:44 PM	62795
EPA METHOD 8015D: GASOLINE RANGE					Analyst	mb
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	9/24/2021 5:12:00 PM	62793
Surr: BFB	92.1	70-130	%Rec	1	9/24/2021 5:12:00 PM	62793
EPA METHOD 8021B: VOLATILES					Analyst	mb
Benzene	ND	0.023	mg/Kg	1	9/24/2021 5:12:00 PM	62793
Toluene	ND	0.047	mg/Kg	1	9/24/2021 5:12:00 PM	62793
Ethylbenzene	ND	0.047	mg/Kg	1	9/24/2021 5:12:00 PM	62793
Xylenes, Total	ND	0.093	mg/Kg	1	9/24/2021 5:12:00 PM	62793
Surr: 4-Bromofluorobenzene	77.8	70-130	%Rec	1	9/24/2021 5:12:00 PM	62793

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

Qualifiers:

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

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2109C66** *14-Oct-21*

Client: GHD Midland
Project: Hornbaker BA 2

Sample ID: MB-62881 SampType: MBLK TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 62881 RunNo: 81605

Prep Date: 9/28/2021 Analysis Date: 9/29/2021 SeqNo: 2886065 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-62881 SampType: LCS TestCode: EPA Method 300.0: Anions

Client ID: **LCSS** Batch ID: **62881** RunNo: **81605**

Prep Date: 9/28/2021 Analysis Date: 9/29/2021 SeqNo: 2886066 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 96.1 90 110

Sample ID: MB-62988 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 62988 RunNo: 81780

Prep Date: 10/2/2021 Analysis Date: 10/4/2021 SeqNo: 2892413 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-62988 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 62988 RunNo: 81780

Prep Date: 10/2/2021 Analysis Date: 10/4/2021 SeqNo: 2892414 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 96.4 90 110

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit
S Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Result

ND

ND

9.8

PQL

10

50

10.00

WO#: **2109C66**

14-Oct-21

Client: GHD Midland
Project: Hornbaker BA 2

Sample ID: MB-62795	SampT	уре: МЕ	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batch	ID: 62	795	F	RunNo: 8	1548				
Prep Date: 9/23/2021	Analysis D	ate: 9/	24/2021	S	SeqNo: 2	881822	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		107	70	130			
Sample ID: LCS-62795	SampT	ype: LC	s	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batch	ID: 62	795	F	RunNo: 8	1548				
Prep Date: 9/23/2021	Analysis D	ate: 9/	24/2021	S	SeqNo: 2	881823	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	99.2	68.9	135			
Surr: DNOP	4.8		5.000		96.4	70	130			
Sample ID: MB-62957	SampT	уре: МЕ	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batch	ID: 62	957	F	RunNo: 8	1750				
Prep Date: 9/30/2021	Analysis D	ate: 10	0/1/2021	S	SeqNo: 2	890617	Units: mg/K	(g		

Sample ID: LCS-62957	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batch	ID: 62 9	957	R	RunNo: 8	1750				
Prep Date: 9/30/2021	Analysis D	ate: 10	/1/2021	S	SeqNo: 28	890618	Units: mg/K	ζg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	97.7	68.9	135			
Surr: DNOP	4.9		5.000		98.9	70	130			

SPK value SPK Ref Val %REC LowLimit

98.0

HighLimit

130

70

%RPD

RPDLimit

Qual

Qualifiers:

Analyte

Surr: DNOP

Diesel Range Organics (DRO)

Motor Oil Range Organics (MRO)

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

SampType: MBLK

1000

WO#: **2109C66**

Client: GHD Midland
Project: Hornbaker BA 2

Sample ID: mb-62793

Surr: BFB

Sample ID: Ics-62793 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range Client ID: LCSS Batch ID: 62793 RunNo: 81547 Prep Date: 9/23/2021 Analysis Date: 9/24/2021 SeqNo: 2881959 Units: mq/Kq Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Analyte Gasoline Range Organics (GRO) 27 5.0 25.00 0 110 78.6 131 Surr: BFB 1000 1000 101 70 130

Client ID: PBS Batch ID: 62793 RunNo: 81547 Prep Date: Analysis Date: 9/24/2021 SeqNo: 2881960 9/23/2021 Units: mg/Kg Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) ND 5.0 Surr: BFB 960 1000 95.6 70 130

TestCode: EPA Method 8015D: Gasoline Range

70

130

Sample ID: mb-62954 TestCode: EPA Method 8015D: Gasoline Range SampType: MBLK Client ID: PBS Batch ID: 62954 RunNo: 81769 Prep Date: 9/30/2021 Analysis Date: 10/4/2021 SeqNo: 2891593 Units: mg/Kg Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) ND 5.0

102

Sample ID: Ics-62954 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range Client ID: LCSS Batch ID: 62954 RunNo: 81769 Prep Date: 9/30/2021 Analysis Date: 10/4/2021 SeqNo: 2891594 Units: mg/Kg SPK value SPK Ref Val %REC %RPD **RPDLimit** Result **PQL** LowLimit HighLimit Qual

 Gasoline Range Organics (GRO)
 27
 5.0
 25.00
 0
 109
 78.6
 131

 Surr: BFB
 1100
 1000
 110
 70
 130

1000

Qualifiers:

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

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: 2109C66

14-Oct-21

Client: GHD Midland
Project: Hornbaker BA 2

Sample ID: Ics-62793	SampT	ype: LC	S	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batcl	h ID: 62	793	F	RunNo: 8	1547				
Prep Date: 9/23/2021	Analysis D	Date: 9/ 2	24/2021	S	SeqNo: 2	881994	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	87.9	80	120			
Toluene	0.89	0.050	1.000	0	89.1	80	120			
Ethylbenzene	0.90	0.050	1.000	0	90.1	80	120			
Xylenes, Total	2.7	0.10	3.000	0	90.4	80	120			
Surr: 4-Bromofluorobenzene	0.79		1.000		78.9	70	130			

Sample ID: mb-62793	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batcl	n ID: 62	793	F	RunNo: 8	1547				
Prep Date: 9/23/2021	Analysis D	Analysis Date: 9/24/2021		9	SeqNo: 2	881995	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.81		1.000		81.0	70	130			

Sample ID: 2109C66-001ams	SampT	уре: МS	3	Tes	tCode: El	PA Method	8021B: Volat	iles		•
Client ID: TP9-2	Batch	n ID: 62 7	793	R	RunNo: 8	1547				
Prep Date: 9/23/2021	Analysis D	oate: 9/ 2	24/2021	S	SeqNo: 2	881999	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.025	0.9990	0	97.7	80	120			
Toluene	1.0	0.050	0.9990	0	102	80	120			
Ethylbenzene	1.1	0.050	0.9990	0	106	80	120			
Xylenes, Total	3.2	0.10	2.997	0	106	80	120			
Surr: 4-Bromofluorobenzene	0.75		0.9990		74.9	70	130			

Sample ID: 2109C66-001amse	d SampT	уре: М S	SD	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: TP9-2	Batcl	h ID: 62 7	793	F	RunNo: 8	1547				
Prep Date: 9/23/2021	Analysis D	Date: 9/ 2	24/2021	8	SeqNo: 2	882000	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.024	0.9756	0	98.9	80	120	1.15	20	
Toluene	1.0	0.049	0.9756	0	104	80	120	0.412	20	
Ethylbenzene	1.1	0.049	0.9756	0	108	80	120	0.577	20	
Xylenes, Total	3.2	0.098	2.927	0	108	80	120	0.140	20	
Surr: 4-Bromofluorobenzene	0.75		0.9756		76.7	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

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

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Hall Environmental Analysis Laboratory, Inc.

0.85

WO#: **2109C66**

14-Oct-21

Client: GHD Midland
Project: Hornbaker BA 2

Surr: 4-Bromofluorobenzene

Sample ID: mb-62954 SampType: MBLK TestCode: EPA Method 8021B: Volatiles Client ID: PBS Batch ID: 62954 RunNo: 81769 Prep Date: 9/30/2021 Analysis Date: 10/4/2021 SeqNo: 2891656 Units: mg/Kg SPK value SPK Ref Val %REC LowLimit %RPD **RPDLimit** Analyte Result PQL HighLimit Qual Benzene ND 0.025 Toluene ND 0.050 Ethylbenzene ND 0.050 Xylenes, Total ND 0.10

84.8

70

130

Sample ID: LCS-62954	Samp ⁻	Гуре: LC	s	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Batc	h ID: 62	954	F	RunNo: 8	1769				
Prep Date: 9/30/2021	Analysis [Date: 10	0/4/2021	S	SeqNo: 2	891657	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.025	1.000	0	97.1	80	120			
Toluene	0.98	0.050	1.000	0	98.2	80	120			
Ethylbenzene	0.97	0.050	1.000	0	97.3	80	120			
Xylenes, Total	2.9	0.10	3.000	0	95.1	80	120			
Surr: 4-Bromofluorobenzene	0.88		1.000		87.7	70	130			

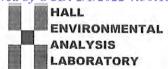
1.000

Qualifiers:

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

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

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Hall Environmental Analysis Laboratory 4901 Hawkins NE

Sample Log-In Check List Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

Client Name: GHD Midla	and	Work	Order Num	ber: 210	9C66			RcptNo: 1
Received By: Cheyenn	e Cason	9/23/20	21 7:30:00	АМ		Chen	1	
Completed By: Sean Liv	ingston	9/23/20	21 8:27:21	AM		<	/	in the
Reviewed By: Jn q	23/21					<i>></i>	-6.	735
Chain of Custody								
1. Is Chain of Custody comp	plete?			Yes	~	No		Not Present
2. How was the sample deli	vered?			Cou	rier			
Log In								
3. Was an attempt made to	cool the samples	?		Yes	V	No		NA 🗆
4. Were all samples received	d at a temperatur	e of >0° C	to 6.0°C	Yes	V	No		NA 🗆
5. Sample(s) in proper conta	ainer(s)?			Yes	V	No		
6. Sufficient sample volume	for indicated test	s)?		Yes	V	No	П	
7. Are samples (except VOA			ed?	Yes	~	No		
8. Was preservative added to		of Course to		Yes		No	V	NA 🗆
9. Received at least 1 vial wi	ith headspace <1/	4" for AQ V	OA?	Yes		No		NA 🗹
10. Were any sample contain	ers received brok	en?		Yes		No	V	# of preserved
11. Does paperwork match bo (Note discrepancies on ch				Yes	~	No		bottles checked for pH:
12. Are matrices correctly iden	ntified on Chain o	f Custody?		Yes	V	No		Adjusted?
13. Is it clear what analyses w	ere requested?			Yes	V	No		
 Were all holding times able (If no, notify customer for a 				Yes	~	No		Checked by: THE 9-23-2
Special Handling (if ap	plicable)							*
15. Was client notified of all d		this order?	4	Yes		No		NA 🗹
Person Notified:			Date:		_		-	
By Whom:	1		Via:	☐ eM	ail	Phone	Fax	☐ In Person
Regarding:								
Client Instructions:	1							
16. Additional remarks:								
17. Cooler Information								
Cooler No Temp °C	Condition S	Seal Intact	Seal No	Seal D	ate	Signed I	Ву	
1 2.6	Good							
2 2.9	Good							

O	hain	-of-Cu	Chain-of-Custody Record	Turn-Around Time:	Time:				- 2		0	270	Č				Kecen
Client:	GHD			(XoStandard	□ Rush	5-26		H	□ <		\ \ \	2	¥		ANAL ENVIRONMENTAL	AL	vea v
				Project Name:		1			(4					5	2	y O
Mailing	Mailing Address:	.:		7	Taba Cel	PM #7		4901 Hawkins NE	lawkir	N S	www.naiieitviioiinienai.com	Iduer	Albuquerane NM 87109	IM 87	60		CD: 2
324 W.	324 W. Main St.	. Suite 10	Suite 108, Artesia NM 88210	Project #:				Tel. 505-345-3975	05-34	3-397		ax 50	Fax 505-345-4107	-4107			/1/2
Phone #:	H.	(505)377-4218	7-4218		112289PC	G					Anal	sis R	sanba	4	-		022
email or Fax#:	Fax#:	Becky.H	Becky. Haskell@ghd.com	Project Manager:	iger:			50		H	⁺C		(11	OG		-	4:3
QA/QC Packa	QA/QC Package:		□ Level 4 (Full Validation)	Becky Haskell						SWIS	S '*Oc		nəsd <u>A</u> V	2 (ajdu		0:13 P
Accreditation:	tation:	□ Az Co	☐ Az Compliance	Sampler:	Zach Comino					270	Os, F		aeut	71	2/3		V 1 —
□ NELAC	4C	□ Other		On Ice:	X Yes	□ No			_		_	10	_	'n	7		
□ EDD	EDD (Type)			# of Coolers:	2 27	7-01-26								/			
				Cooler Temp	Cooler Temp(including CF): 3. 9	-0.1=2					_			P	1531		
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL NO.	BTEX /	08:H9T	EDB (N	PAHs b	CI' E' E	v) 05ce	S) 0728 Total Co	97	ro Rosa		
092121	5210	5	T-89-2	Ter		100					-			7			
-	0745	4	TP-6	-		200								-	λ	E	
	0550		01-87			8									2		
	0830		1-Q			hao									R		
1	05:30		1-8-1			Sa									X		
	0060		6-61			200								2	2		
	0460		TP10-2			700											
	0950		TP10-6			300									2		Г
	1000		TP10-8			300									1		
	1010		7PW-10			Olo									R		
	1020		TPILIS	,		lio											1
	000	٨	TP11-2	h		512	7			-				4			1
Date:	Time:	Relinquished by	ed by:	Received by:	Via:	-	Re	marks	. Plea	se em	Remarks: Please email: Chase	ase	settle(Deogr	Settle@eogresources.com;	.com;	T
N	GCD		Le Coming 1911.	Warner	,3	7		Tor	n.Lars w lau	on@g	hd.cor	n; Zac	th.Cor	nino@	Tom.Larson@ghd.com; Zach.Comino@ghd.com Matthew Langhlin@ghd.com; Along with Becky Haskell	II	
Date	-	Relinquished by	ed by:	Received by:	Via:	Date Time				0	liste	isted above.	ve.				P
108/10	02	Con	is in	S MY	MINO	9/23/9 0730)irect	Direct Bill to EOG Chase Settle	50G	Chase	Settle			age
=	necessary	, samples sub	If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility	ontracted to other ac	credited laboratorie	ss. This serves as notice of this	possibility		b-contra	rted dat	Any sub-contracted data will be clearly notated	learly no	no bateto	the ana	on the analytical report		91

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and a second a second and a second a second and a second a second and a second and a second and a second a second a second a second a second and a second a second a second a second a seco

Relinquished by:

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Relinquished by

Time:

Date:

Mailing Address:

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

(505)377-4218

Becky. Haskell@ghd.com

QA/QC Package

□ Standard

email or Fax#:

Phone #:

Chain-of-Custody Record

Client: GHD

☐ Level 4 (Full Validation)

☐ Az Compliance

Accreditation:

□ NELAC

□ Other

EDD (Type)

Matrix | Sample Name

Time

Date

572/21

2-CId

250

100

8

050

(V)

240

752

3

710

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 77442

CONDITIONS

Operator:	OGRID:
EOG RESOURCES INC	7377
P.O. Box 2267	Action Number:
Midland, TX 79702	77442
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By		Condition Date
jnobui	None	2/9/2022