

State of New Mexico Energy Minerals and Natural **Resources Department**

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Incident ID	nRM2035059346
District RP	
Facility ID	
Application ID	······································

Release Notification

Responsible Party

Responsible Party	OGRID
EOG Y Resources, Inc.	7377
Contact Name	Contact Telephone
Robert Asher	575-748-4171
Contact email	Incident # (assigned by OCD)
bob_asher@eogresources.com	nRM2035059346
Contact mailing address	
104 S. 4 th	

Location of Release Source

Latitude	32.84989

Longitude -103.92232

(NAD 83 in decimal degrees to 5 decimal places)

Site Name Jackson B #55	Site Type Facility
Date Release Discovered 11/1/2020	API# 30-015-40844

Unit Letter	Section	Township	Range	County
G	12	178	30E	Eddy

Surface Owner:	S S	tate 🖂	Federal	🗌 Tribal	Private (Name:	

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

Crude Oil	Volume Released (bbls) 2	Volume Recovered (bbls) 1.5
Produced Water	Volume Released (bbls) 3	Volume Recovered (bbls) 1.5
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes 🗌 No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release Lease Operator found flu on location then turning	uid polished rod liner moved up the polished rod cau south.	sing the stuffing box to leak, at the wellhead running east
Rec		

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rm C-141	State of New Mexic	0	Incident ID	nRM2035059346
e 2 Oil Conservation Div		sion	THE REPORT OF A REPORT OF A DECIMAL OF A DEC	11/11/12/030/09/04/0
			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	e responsible party cor	sider this a major releas	e?
If YES, was immediate r	notice given to the OCD? By whom?	To whom? When an	d by what means (phone	, email, etc)?
	Initi	ial Response		12.3
The responsible	party must undertake the following actions in	unediately unless they could	create a safety hazard that wo	uild result in injury
 The source of the rel The impacted area h 	lease has been stopped. as been secured to protect human hea	Ith and the environme	nt.	
 The impacted area h Released materials h All free liquids and i 		ms or dikes, absorbent ved and managed app	pads, or other containm	ent devices.
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Page 3

Oil Conservation Division

		Page 3 of 164
Incident ID	nRM2035059346	
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?	<u>>100</u> (ft bgs)
Did this release impact groundwater or surface water?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🗌 Yes 🔽 No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	🗌 Yes 🗹 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🛛 No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	🗌 Yes 🗹 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	🗌 Yes 🛛 No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a wetland?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🛛 No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🛛 No
Did the release impact areas not on an exploration, development, production, or storage site?	🗹 Yes 🗌 No

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

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

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

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

eceived by OCD: 3/29/2022 9:	<i>ived by OCD: 3/29/2022 9:56:15 AM</i> State of New Mexico			Page 4 of 1
			Incident ID	nRM2035059346
age 4	4 Oil Conservation Div		District RP	
			Facility ID	
			Application ID	
failed to adequately investigate an	The acceptance of a C-141 report The acceptance of a C-141 report d remediate contamination that pos 141 report does not relieve the ope	ase notifications and perform of by the OCD does not relieve the se a threat to groundwater, surf rator of responsibility for comp	corrective actions for rel ne operator of liability sl face water, human health pliance with any other for ty & Environmer	eases which may endanger nould their operations have n or the environment. In ederal, state, or local laws
OCD Only				
Received by:		Date:		

Incident ID	nRM2035059346
District RP	
Facility ID	
Application ID	

Closure

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

<u>Closure Report Attachment Checklist</u>: Each of the following items must be included in the closure report.

A scaled site and sampling diagram as described in 19.15.29.11 NMAC

Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

 \square Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Chase Settle

Title: Rep Safety & Environmental Sr

Signature: <u>Chase Settle</u> Date: <u>03/29/2022</u>

email: Chase_Settle@eogresources.com

Telephone: 575-748-1471

OCD Only

Page 6

Received by:

Date:

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by:	Date: _04/18/2022
Printed Name: Jennifer Nobui	Title: Environmental Specialist A

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



Our ref: 11223609

March 24, 2022

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

Re: Site Characterization and Closure Report Jackson B #55 Release Site EOG Resources, Inc. Incident ID: nRM2035059346 API # 30-015-40844 G-12-17S-30E, Eddy County, New Mexico

To Whom It May Concern:

1. Introduction

GHD Services Inc. (GHD), on behalf of EOG Resources-Artesia Division (EOG), submits this Site Characterization and Closure Report to the New Mexico Oil Conservation Division (NMOCD) District 2 Office for approval. This Report provides documentation of delineation, sampling, analyses, and remedial activities in the affected areas at the EOG Jackson B #55 Release Site (Site). The Site is located in Unit Letter G, Section 12 of Township 17 South and Range 30 East in Eddy County, New Mexico (Figure 1). The GPS coordinates for the well from where the release emanated are 32.84989° N latitude and 103.92232° W longitude. The surface owner of the land where the release occurred is the US Bureau of Land Management (BLM). The Site details are depicted on Figure 2, Site Assessment: Soil Analytical Results Map and Figure 3, Confirmation Sampling: Soil Analytical Results Map.

2. Background Information

A C-141 initial report for this release was submitted to the NMOCD on December 4, 2020. The C-141 stated that approximately 3 barrels of produced water and 2 barrels of crude oil was released and discovered on November 1, 2020. Approximately one and one half (1.5) barrels of produced water and one half (1.5) barrels of crude oil was recovered.

The Release Notification, Site Assessment/Characterization and Closure portions of Form C-141 for Incident Number nRM2035059346 are attached to the front of this report.

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3. Groundwater and Site Characterization

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

On May 18, 2021, Talon/LPE (Talon) installed a temporary well at GPS Coordinates, 32.85697° N latitude and 103.92703° W longitude to approximately one hundred twenty-five (125) feet below ground surface which is located within half a mile north-northeast of the Site. The well was left open for 72 hours and a water level meter was utilized to determine the presence or absence of groundwater. Groundwater was not detected in the well, the temporary well was subsequently plugged and abandoned. Depth to groundwater for this Site is greater than one hundred (100) feet. No other receptors (water wells, playas, wetlands, waterways, lakebeds or ordinance boundaries) were located within each specific boundaries or distance from the Site. According to the Site characterization evaluation and 19.15.29.12.C(4)(a)(i), the Site is located within an area of low karst potential with depth to groundwater greater than one hundred (100) feet in Table I NMAC 19.15.29.12. The Site characterization documentation (Talon/LPE's Temporary Well Log, Karst Potential, Significant Water Course, Wetlands, and FEMA 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)
Low Karst Potential Area	>100 ft

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 Assessment and Sampling

On July 21, 2021, GHD Services Inc. (GHD) and EOG's contractor Culberon Construction Energy Services, LLC (CCI), on behalf of EOG, installed eighteen (18) test pits, TP-1 through TP-18, within the suspected impacted area. Soil samples were collected at depths from surface to two (2) feet below ground surface. All soil samples were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, total petroleum hydrocarbons (TPH) by Method 8015B Modified, and chloride by EPA Method 300 by Hall Environmental Analysis Laboratory (HEAL) in Albuquerque, New Mexico.

None of the eighteen (18) test pits had samples exceeding NMAC Table I Closure Criteria for groundwater greater than one hundred (100) feet. However, five (5) test pits exhibited chloride concentrations above NMAC 19.15.29.13 for restoration. Figure 2, Initial Assessment: Soil Analytical Results Map, depicts the locations of

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2

the initial delineation samples and analytical concentrations. Analytical results are provided in Table 1, on Figure 2, and in the Laboratory Analytical Reports provided in Attachment C.

5. Excavation, Waste Management and Confirmation Sampling

Due to the initial soil sampling activities exhibiting chloride concentrations above NMAC 19.15.29.13 for restoration closure criteria GHD and Standard Safety and Supply (SS) mobilized to the Site on October 28, 2021, to excavate the affected soils. There were two (2) areas requiring excavation. The northern area measured approximately eleven (11) feet long by ten (10) feet wide and was excavated to a depth of approximately six (6) inches below grade. The southern area measured approximately one hundred thirty-one (131) feet long with widths ranging from three (3) ft to forty-two (42) feet and was excavated to depths ranging from approximately two (2) to four (4) feet below grade. As shown on Figure 3, eight (8) sidewall and twenty-seven (27) bottom hole composite confirmation samples were collected. In the northern excavation NBH-1 was collected at a depth of approximately six (6) inches below grade. In the southern excavation BH-1 through BH-26 were collected at varying depths ranging from approximately two (2) to four (4) feet below grade. In the southern excavation BH-1 through BH-26 were collected at varying depths ranging from approximately two (2) to four (4) feet below grade. The thirty-five (35) confirmation samples were taken to HEAL in Albuquerque, New Mexico. All samples were analyzed for BTEX by EPA Method 8021B, TPH by Method 8015B Modified, and chloride by EPA Method 300. All confirmation samples collected represented areas no greater than 200 square (sq) ft. Laboratory Analytical Reports and Chain-of-Custody Documentation are provided in Attachment C. Analytical results are summarized in attached Table 1, Summary of Soil Analytical Data.

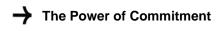
Analytical results indicated one (1) of the thirty-five (35) confirmations samples showed a chloride exceedance above NMAC 19.15.29.13 for restoration closure criteria (BH-11 collected from 3.5-4 ft below grade). None of the other confirmation samples exhibited BTEX, TPH, or chloride concentrations above selected NMAC 19.15.29.13 for restoration closure criteria. Figure 3, Confirmation Sampling: Analytical Results Map, depicts the locations of the confirmation samples and analytical concentrations. Analytical results are provided in Table 1, on Figure 3, and in the Laboratory Analytical Reports provided in Attachment C.

Due to the exceedance of sample BH-11, GHD and SS returned to the site on November 16, 2021, to further excavate the area. The area around BH-11 was excavated to a depth of approximately four (4) feet below grade, and a sample was collected (BH-11A). Analytical results indicated BH-11A had no concentrations exceeding NMAC 19.15.29.13 for restoration closure criteria.

An approximate total of 500.41 tons of impacted soils were removed from the remedial excavation. A photographic log of the excavation activities in included in Attachment B. Waste management activities were performed in coordination with EOG directives. EOG obtained regulatory approval via the successful processing of Form C-138 Request for Approval to Accept Solid Waste. The waste was approved for acceptance at the OCD-permitted (WM-1-035), Lea Land, LLC facility located at MM64, Highway 62/180 East, Carlsbad, NM, 88220. The approved C-138 and waste manifests from November 2 through November 5, 2021, shipping dates are provided in Attachment D. Confirmation sampling notifications are provided as Attachment E.

6. nRM2035059346 Closure Requests

Site characterization, soil delineation, and remediation activities for this incident number have been performed in accordance with applicable NMOCD guidance and regulations. Based upon supporting documentation



3

provided in this report, GHD, on behalf of EOG, respectfully requests closure and no further regulatory actions for nRM2035059346.

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

Sincerely,

GHD

Rebena Haskell

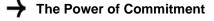
Becky Haskell Senior Project Manager

NR/bh/1

- Encl. Figure 1 Site Location Map
 - Figure 2 Initial Assessment: Soil Analytical Results Map Figure 3 – Confirmation Sampling Soil Analytical Results Map Table 1 – Summary of Soil Analytical Data Attachment A – Site Characterization Documentation Attachment B – Photographic Log Attachment C – Laboratory Analytical Reports and Chain-of-Custody Documentation Attachment D – Approved Form C-138 and Manifests Attachment E – Confirmation Sampling Notifications
- cc: Chase Settle

Thomas Clayon

Tom Larson Project Director

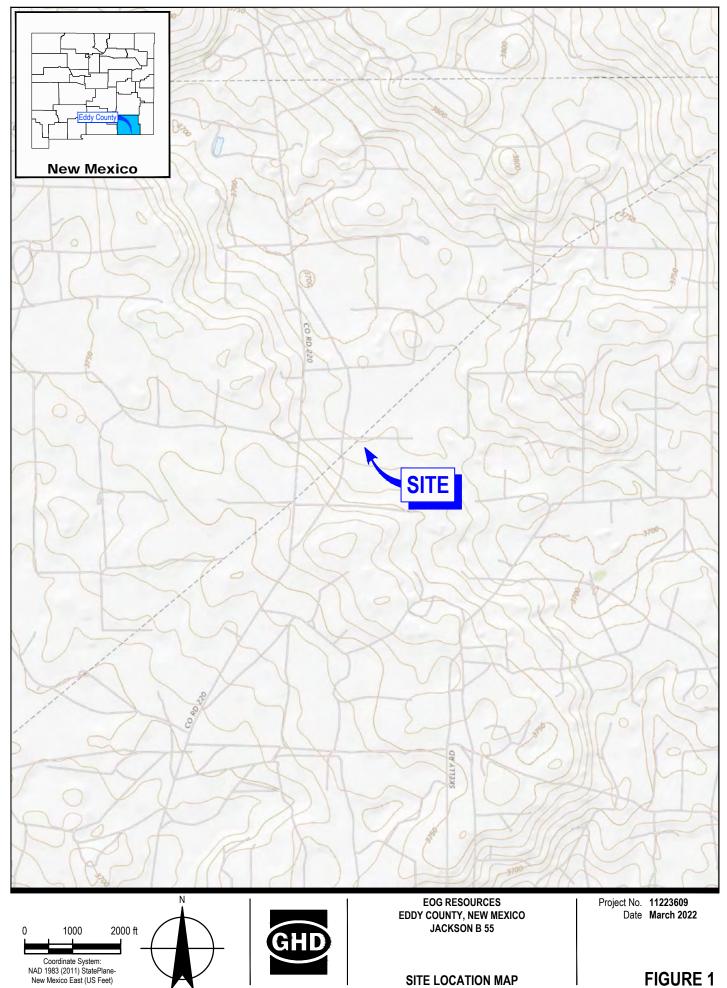


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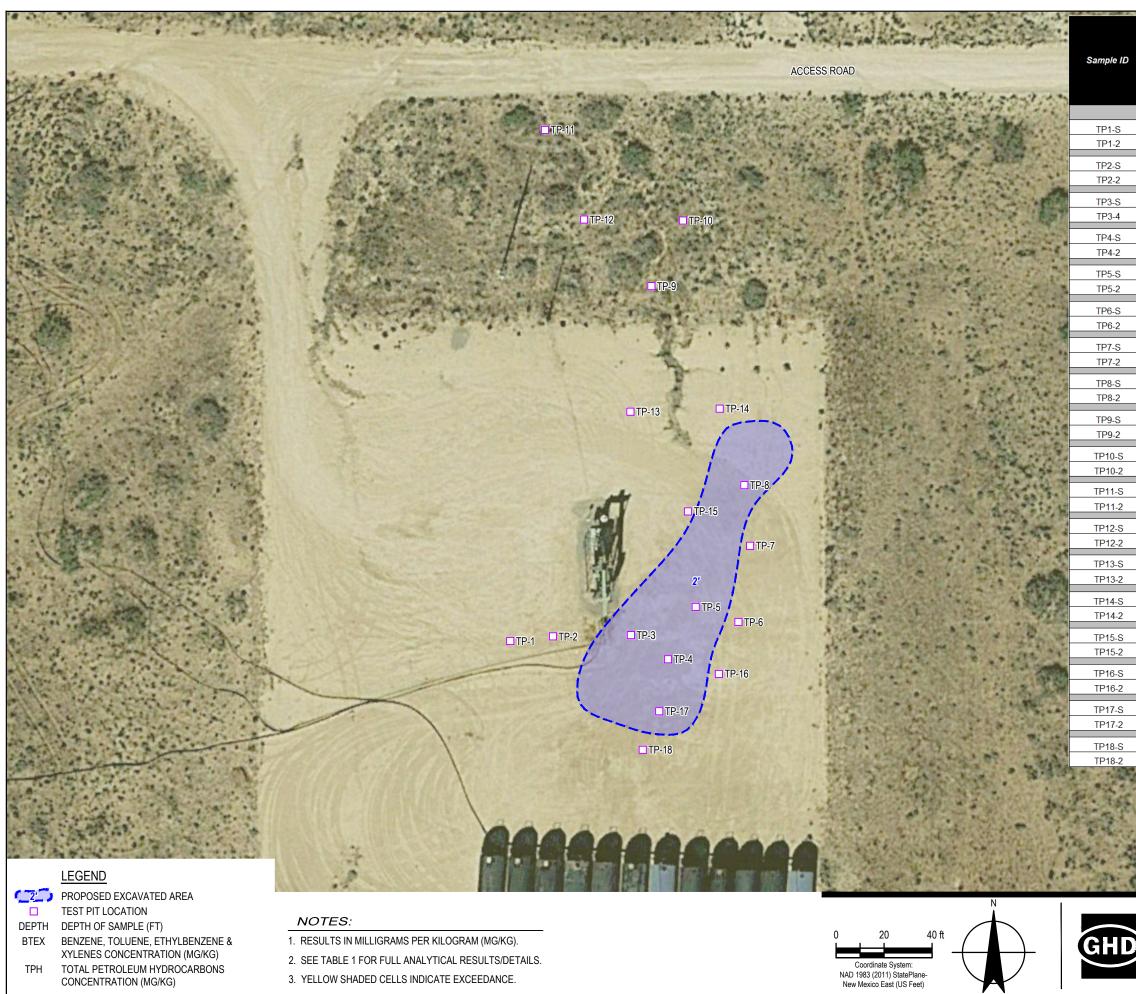
Figures

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Data Source: USGS 7.5 Minute Quad "Loco Hills and Maljamar, New Mexico" Lat/Long: 32.850040° North, 103.922051° West



		Benzene	BTEX	TPH Total GRO/DRO/MRO	Chloride
Sample Date	Depth (ft bgs)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
		Table I C	losure Criter	ia for Soils >100 ft D	epth to
		10	50	2,500	20,000
	Initial As	ssessment San	ples		
7/21/21	Surface	<0.024	<0.096	<47	<60
7/21/21	2	<0.023	<0.092	<48	100
7/21/21	Surface	<0.024	<0.095	<46	<60
7/21/21	2	<0.024	<0.096	<50	170
7/21/21	Surface	<0.025	<0.10`	<48	<60
7/21/21	4	<0.023	<0.094	<46	2,100
7/21/21	Surface	<0.024	<0.095	<50	89
7/21/21	2	<0.024	< 0.095	<49	670
7/21/21	Surface	< 0.024	<0.095	<44	130
7/21/21	2	<0.024	<0.093	<46	760
7/21/21	Surface	<0.024	< 0.095	<46	<60
7/21/21	2	<0.024	<0.097	<47	<60
7/21/21	Surface	<0.024	< 0.094	<47	<60
7/21/21	2	< 0.024	< 0.096	<50	<60
7/21/21	Surface	<0.024	<0.097	<49	<60
7/21/21	2	<0.025	<0.099	<49	800
7/21/21	Surface	<0.024	<0.097	<44	<60
7/21/21	2	<0.025	<0.099	<48	<59
7/21/21	Surface	<0.024	<0.097	<48	<60
7/21/21	2	<0.025	<0.098	<49	<60
7/21/21	Surface	<0.025	<0.099	106	<60
7/21/21	2	<0.024	<0.097	<46	<60
7/21/21	Surface	<0.024	<0.096	<47	<60
7/21/21	2	<0.024	<0.090	<48	<60
7/21/21		< 0.025	<0.10	<48	
7/21/21	Surface 2	<0.025	<0.095	<40	77 <60
7/21/21	Surface	<0.025	< 0.099	<49	<61
7/21/21	2	<0.024	<0.095	<48	62
7/21/21	Surface	<0.024	<0.096	<49	<60
7/21/21	2	<0.024	<0.095	<49	60
7/21/21	Surface	<0.024	<0.097	<50	83
7/21/21	2	<0.024	<0.097	<50	66
7/21/21	Surface	<0.023	<0.093	<47	1,300
7/21/21	2	<0.024	<0.097	<48	330
7/21/21	Surface	<0.025	<0.099	<48	<60
7/21/21	2	<0.024	< 0.097	<50	150

EDDY COUNTY, NEW MEXICO JACKSON B 55

EOG RESOURCES

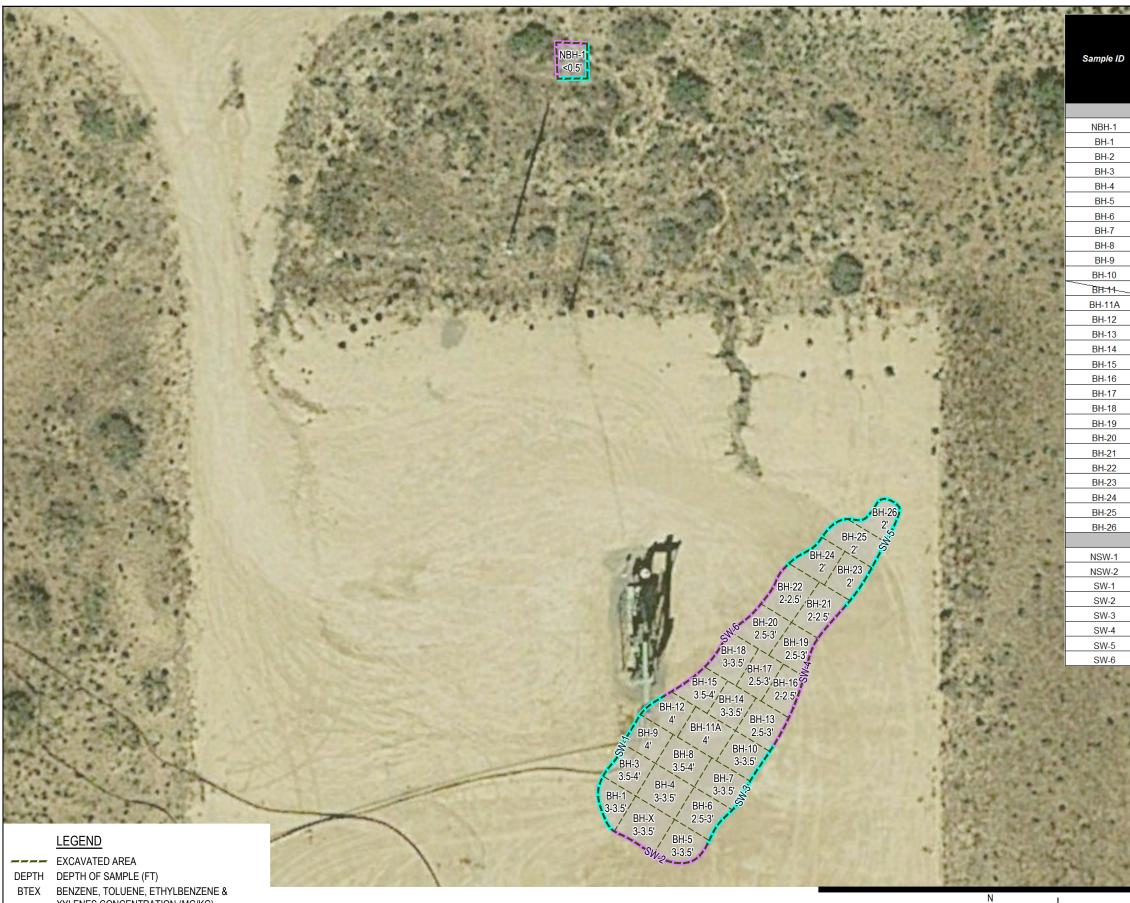
Date March 2022

Project No. 11223609

SITE ASSESSMENT: SOIL ANALYTICAL RESULTS MAP



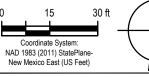
Data Source: Image © 2021 Google - Imagery Date: November 2, 2017 Lat/Long: 32.850040° North, 103.922051° West



	EXCAVATED AREA
DEPTH	DEPTH OF SAMPLE (FT)
BTEX	BENZENE, TOLUENE, ETHYLBENZENE &
	XYLENES CONCENTRATION (MG/KG)
TPH	TOTAL PETROLEUM HYDROCARBONS
	CONCENTRATION (MG/KG)
	INDICATES SIDE WALL COMPOSITE SAMPLE
	INDICATES SIDE WALL COMPOSITE SAMPLE
	INDICATES SIDE WALL COMPOSITE SAMPLE

NOTES:

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





Page 13 of 164

-	1 1 2 4 11	1. 1. 1. 1.	1000	1.1.1.1.1.1.	and the second	100
					ТРН	3
	0	Death	Benzene	BTEX	Total GRO/DRO/MRO	Chloride
	Sample Date	Depth (ft bgs)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			Table I C	losure Criteria	a for Soils >100 ft l	Depth to
			10	50	2,500	20,000
		Confirmation	Samples - Bo	tom Hole		
	11/2/21	<0.5	<0.025	<0.10	<48	73
	11/1/21	3-3.5	<0.024	<0.094	<49	410
	11/1/21	3-3.5	<0.025	<0.099	<48	280
	11/1/21	3.5-4	<0.025	<0.099	<49	470
	11/1/21	3-3.5	<0.024	<0.097	<49	74
	11/1/21	3-3.5	<0.025	<0.10	<48	80
	11/1/21	2.5-3	<0.024	<0.098	<48	<60
	11/1/21	3-3.5	<0.023	<0.094	<49	99
	11/1/21	3.5-4	<0.024	<0.097	<47	220
	11/1/21	4	<0.024	<0.096	<47	2,500
	11/1/21	3-3.5	<0.023	<0.093	<49	120
	11/1/21	3.5-4	<0:025	<0.099	<50	970
	11/16/21	4	<0.024	<0.095	<48	510
	11/1/21	4	<0.023	<0.094	<47	640
	11/1/21	2.5-3	<0.023	<0.093	<49	110
	11/1/21	3-3.5	<0.024	<0.096	<50	97
	11/1/21	3.5-4	<0.025	<0.099	<50	<60
	11/1/21	2-2.5	<0.025	<0.10	<46	150
	11/1/21	2.5-3	<0.024	<0.095	<47	100
	11/1/21	3-3.5	<0.024	<0.096	<49	63
	11/1/21	2.5-3	<0.025	<0.099	<50	<60
	11/1/21	2.5-3	< 0.024	<0.097	<49	70
	11/1/21	2-2.5	<0.025	<0.098	<50	<60
	11/1/21	2-2.5	<0.024	<0.095	<45	<60
	11/1/21	2	<0.023	<0.093	<43	120
	11/1/21	2	<0.024	<0.098	<47	<60
	11/1/21	2	<0.024	<0.096	<48	<60
	11/1/21	2	<0.023	<0.094	<47	<60
		Confirmatio	on Samples - S	idewall		
	11/2/21	-	<0.024	<0.096	<48	<60
	11/2/21	-	<0.025	<0.10	<47	<60
	11/1/21	-	<0.023	<0.092	<48	320
	11/1/21	-	<0.024	<0.097	13	350
	11/1/21	-	<0.024	<0.095	<48	87
	11/1/21	-	<0.025	<0.099	<48	180
	11/1/21	-	<0.023	<0.092	<46	<60
	11/1/21	-	<0.024	<0.096	<48	61
27	Part Later to	1. 1. 1.	1. S. F.	a de tale	The party of	A CASE -

EOG RESOURCES EDDY COUNTY, NEW MEXICO JACKSON B 55

CONFIRMATION SAMPLING: SOIL ANALYTICAL RESULTS MAP Project No. **11223609** Date **March 2022**

FIGURE 3

Data Source: Image © 2021 Google - Imagery Date: November 2, 2017 Lat/Long: 32.850040° North, 103.922051° West *Received by OCD: 3/29/2022 9:56:15 AM*

Tables

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Table 1 Summary of Soil Analytical Data Jackson B 55 EOG Resources Eddy County, New Mexico

								T	otal Petroleum	Hydrocarbons	(TPH)	
	Somela	Donth	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	Chloride
Sample ID	Sample Date	Depth (ft 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 >100	ft Depth to Gro	undwater 19.15	29 NMAC		
			10				50	1,0	000		2,500	20,000
					Initial Ass	essment Sam	ples		-			
TP1-S	7/21/21	Surface	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.3	<47	<47	<60
TP1-2	7/21/21	2	<0.023	<0.046	<0.046	<0.092	<0.092	<4.6	<9.7	<48	<48	100
TP2-S	7/21/21	Surface	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<9.1	<46	<46	<60
TP2-2	7/21/21	2	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<10	<50	<50	170
TP3-S	7/21/21	Surface	<0.025	<0.050	<0.050	<0.10	<0.10`	<5.0	<9.5	<48	<48	<60
TP3-4	7/21/21	4	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	<9.2	<46	<46	2,100
TP4-S	7/21/21	Surface	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<10	<50	<50	89
TP4-2	7/21/21	2	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<9.8	<49	<49	670
TP5-S	7/21/21	Surface	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<8.9	<44	<44	130
TP5-2	7/21/21	2	<0.023	<0.046	<0.046	<0.093	<0.093	<4.6	<9.2	<46	<46	760
TP6-S	7/21/21	Surface	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<9.1	<46	<46	<60
TP6-2	7/21/21	2	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.5	<47	<47	<60
TP7-S	7/21/21	Surface	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	<9.5	<47	<47	<60
TP7-2	7/21/21	2	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<10	<50	<50	<60
TP8-S	7/21/21	Surface	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.8	<49	<49	<60
TP8-2	7/21/21	2	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.8	<49	<49	800
TP9-S	7/21/21	Surface	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<8.9	<44	<44	<60
TP9-2	7/21/21	2	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.5	<48	<48	<59
TP10-S	7/21/21	Surface	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.6	<48	<48	<60
TP10-2	7/21/21	2	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.9	<49	<49	<60
TP11-S	7/21/21	Surface	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	48	58	106	<60
TP11-2	7/21/21	2	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.2	<46	<46	<60
TP12-S	7/21/21	Surface	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.3	<47	<47	<60
TP12-2	7/21/21	2	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.7	<48	<48	<60
TP13-S	7/21/21	Surface	<0.025	<0.0580	<0.050	<0.10	<0.10	<5.0	<9.6	<48	<48	77
TP13-2	7/21/21	2	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.3	<46	<46	<60

Page 15 of 164

Received by OCD: 3/29/2022 9:56:15 AM

Table 1Summary of Soil Analytical DataJackson B 55EOG ResourcesEddy County, New Mexico

								Т	otal Petroleum	Hydrocarbons ((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	(ft bgs)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
					Table I (Closure Criteria	for Soils >100	ft Depth to Gro	undwater 19.15	.29 NMAC		
			10				50	1,0	000		2,500	20,000
TP14-S	7/21/21	Surface	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.8	<49	<49	<61
TP14-2	7/21/21	2	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.7	<48	<48	62
TP15-S	7/21/21	Surface	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.8	<49	<49	<60
TP15-2	7/21/21	2	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<9.8	<49	<49	60
TP16-S	7/21/21	Surface	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<10	<50	<50	83
TP16-2	7/21/21	2	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<10	<50	<50	66
TP17-S	7/21/21	Surface	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	<9.3	<47	<47	1,300
TP17-2	7/21/21	2	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.6	<48	<48	330
TP18-S	7/21/21	Surface	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.7	<48	<48	<60
TP18-2	7/21/21	2	< 0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.9	<50	<50	150
						Samples - Botto						
NBH-1	11/2/21	<0.5	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.6	<48	<48	73
BH-1	11/1/21	3-3.5	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	<9.7	<49	<49	410
BH-2	11/1/21	3-3.5	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.5	<48	<48	280
BH-3	11/1/21	3.5-4	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.9	<49	<49	470
BH-4	11/1/21	3-3.5	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.8	<49	<49	74
BH-5	11/1/21	3-3.5	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.5	<48	<48	80
BH-6	11/1/21	2.5-3	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.5	<48	<48	<60
BH-7	11/1/21	3-3.5	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	<9.8	<49	<49	99
BH-8	11/1/21	3.5-4	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<9.5	<47	<47	220
BH-9	11/1/21	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.4	<47	<47	2,500
BH-10	11/1/21	3-3.5	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	<9.8	<49	<49	120
BH-11	11/1/21	3.5-4	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.9	<50	<50	970
BH-11A	11/16/21	4	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<9.5	<48	<48	510
BH-12	11/1/21	4	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	<9.4	<47	<47	640
BH-13	11/1/21	2.5-3	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	<9.9	<49	<49	110
BH-14	11/1/21	3-3.5	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.9	<50	<50	97
BH-15	11/1/21	3.5-4	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.9	<50	<50	<60
BH-16	11/1/21	2-2.5	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.2	<46	<46	150
BH-17	11/1/21	2.5-3	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.4	<47	<47	100
BH-18	11/1/21	3-3.5	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.8	<49	<49	63

Page 16 of 164

Received by OCD: 3/29/2022 9:56:15 AM

Table 1 Summary of Soil Analytical Data Jackson B 55 EOG Resources Eddy County, New Mexico

								T	otal Petroleum	Hydrocarbons ((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	(ft 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 >100	ft Depth to Gro	undwater 19.15	29 NMAC		
			10				50	1,0	000		2,500	20,000
BH-19	11/1/21	2.5-3	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.9	<50	<50	<60
BH-20	11/1/21	2.5-3	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.8	<49	<49	70
BH-21	11/1/21	2-2.5	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.9	<50	<50	<60
BH-22	11/1/21	2-2.5	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<9.0	<45	<45	<60
BH-23	11/1/21	2	<0.023	<0.046	<0.046	<0.093	<0.093	<4.6	<8.5	<43	<43	120
BH-24	11/1/21	2	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.5	<47	<47	<60
BH-25	11/1/21	2	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.7	<48	<48	<60
BH-26	11/1/21	2	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	<9.4	<47	<47	<60
	1	-			Confirmatio	on Samples - Si	dewall					
NSW-1	11/2/21	-	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.7	<48	<48	<60
NSW-2	11/2/21	-	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.4	<47	<47	<60
SW-1	11/1/21	-	<0.023	<0.046	<0.046	<0.092	<0.092	<4.6	<9.6	<48	<48	320
SW-2	11/1/21	-	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	13	<48	13	350
SW-3	11/1/21	-	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.6	<48	<48	87
SW-4	11/1/21	-	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.6	<48	<48	180
SW-5	11/1/21	-	<0.023	<0.046	<0.046	<0.092	<0.092	<4.6	<9.2	<46	<46	<60
SW-6	11/1/21	-	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.6	<48	<48	61

Notes:

Released to Imaging: 4/18/2022 10:06:55 AM

Values reported in mg/kg
 < = Value Less than Reporting Limit (RL)

3. Bold Indicates Analyte Detected

BTEX analyses by EPA Method SW 8021B.
 TPH analyses by EPA Method SW 8015 Mod.

B-BH 2 Sample Point Excavated 6. GRO/DRO/MRO = Gasoline/Diesel/Motor Oil

Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I for depth to water greater than 100 ft

Peach shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I for depth to water less than 50 ft

Attachment A Site Characterization Documentation

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Received by OCD: 3/29/2022 9:56:15 AM

BORING LOG

Project No.: 700438.238.01

Site Name: Jackson B #59

Location: Eddy County, New Mexico

Date: 5/18/2021

ται σ

Boring Number: B-1

Weather: Clear, Temp.: 75°F

Logger: D. Adkins

Field Instrument: NA

Latitude: 32.85697 N

Longitude: -103.92703 W

Driller: D. Londagin

Rig Type: Reich Drill

Bit Size: 5-7/8"

Drilling Method: Air Rotary

Sample Retrieval Method: Drill Cuttings

Time	Lab Sample Collected	Sample Interval (ft)	Sample Recovery (ft)	SOSN	Composition (%)	Sample Material/Comments Include composition, color, grain size, moisture, hardness, plasticity, density	Hydrocarbon Odor	(mqq) OI9
		0-30'				Red/brown fine Sand (SP)	<u>None</u> Slight Mod. Strong	
		30-40'				Red/brown fine Sand (SP) with varying amounts of silt and caliche	<u>None</u> Slight Mod. Strong	
		40-80'				Dry, dark red/brown sandy Silts (SM)	<u>None</u> Slight Mod. Strong	
		80-125'				Red/brown fine Sand (SP)	<u>None</u> Slight Mod. Strong	
						TD 125'	None Slight Mod. Strong	
							None Slight Mod. Strong	
							None Slight Mod. Strong	
							None Slight Mod. Strong	
							None Slight Mod. Strong	
							None Slight Mod. Strong	
							None Slight Mod. Strong	
							None Slight Mod. Strong	
	ce Eleva : Grour		ot Encour	ntered	d @ 125' BGS	S – 72 hr. Logger Initials: _	DJA	

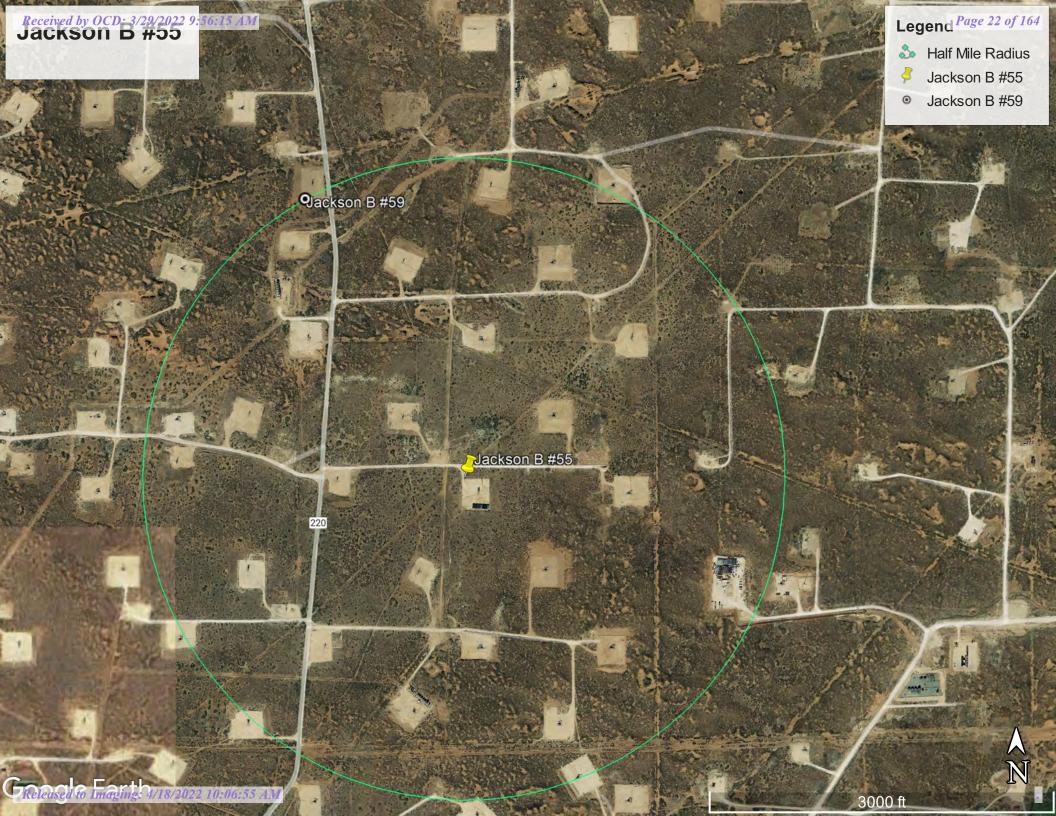
Page _____ of ____

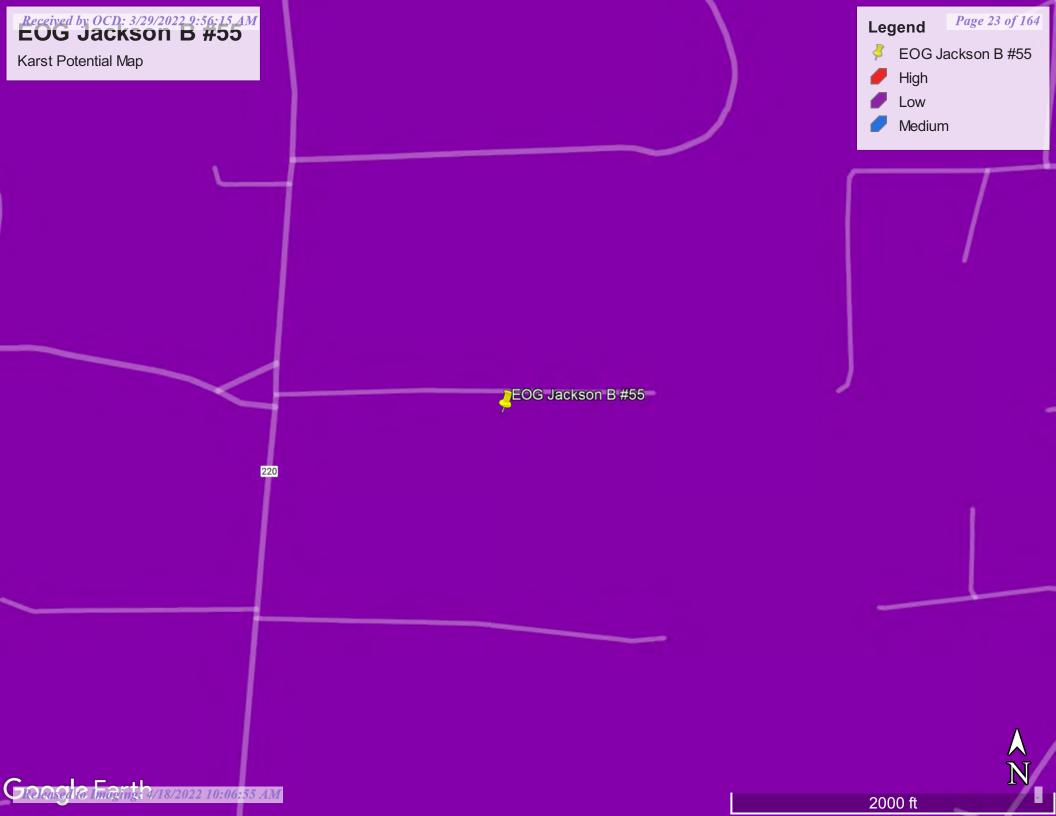
r						Commits Material/Operation		-8,
	Ð				Ę	Sample Material/Comments	5	
Time	Lab Sample Collected	Sample Interval (ft)	Sample Recovery (ft)	nscs	Composition (%)	Include composition, color, grain size, moisture, hardness, plasticity, density	Hydrocarbon Odor	PID (ppm)
							None	
							Slight	
							Mod. Strong	
							None	
							Slight	
							Mod.	
							Strong	
							None Slight	
							Mod.	
							Strong	
							None	
							Slight	
							Mod.	
							Strong	
							None Slight	
							Mod.	
							Strong	
							None	
							Slight	
							Mod.	
							Strong None	
							Slight	
							Mod.	
							Strong	
							None	
							Slight	
							Mod. Strong	
							None	
							Slight	
							Mod.	
							Strong None	
							Slight	
							Mod.	
							Strong	
							None	
							Slight	
							Mod. Strong	
							None	
							Slight	
							Mod.	
							Strong	
							None	
							Slight Mod.	
							Strong	
							None	
							Slight	
							Mod.	
N .							Strong	
Notes	:							

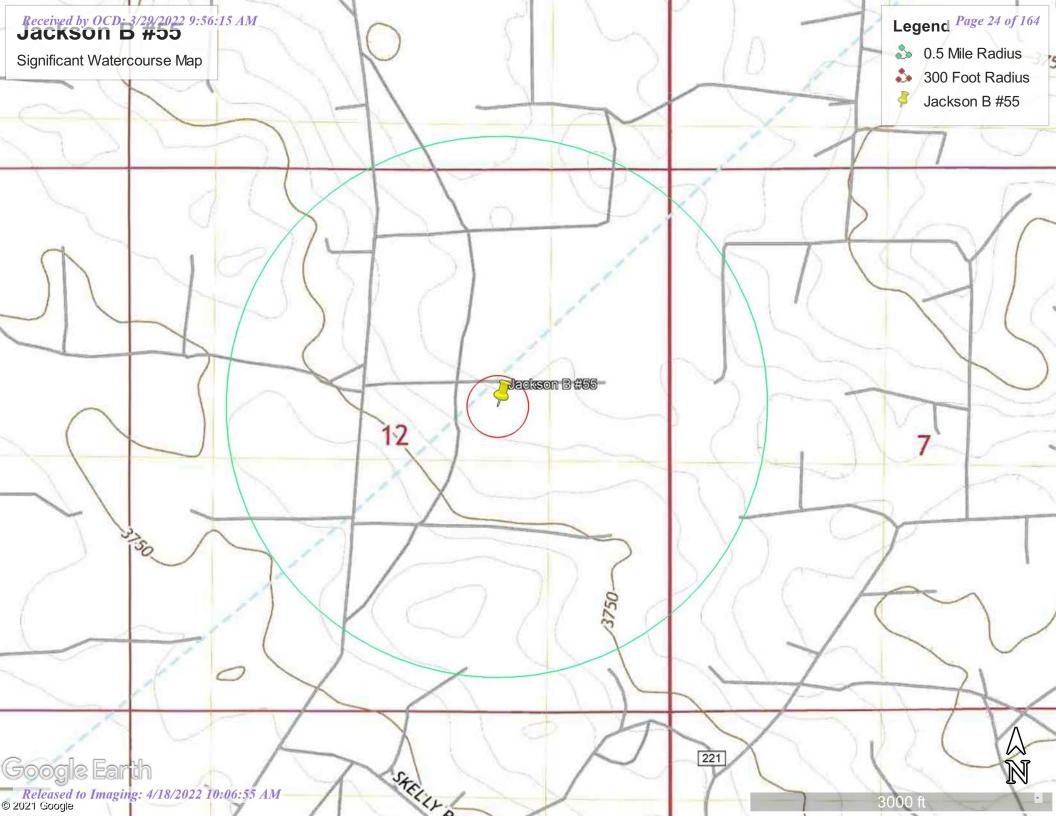
The borehole was advanced to 125' below ground surface (bgs). A 2-inch diameter temporary well constructed of schedule 40 PVC thread coupled to 10-feet of machine slotted well screen was installed in the open borehole. 72-hours after installation, a Solinest water level meter was utilized to determine the presence or absence of groundwater. The temporary well casing was subsequently removed and the bore hole backfilled with hole plug (bentonite chips) and hydrated.

Page _____ of _____









U.S. Fish and Wildlife Service

National Wetlands Inventory

EOG Jackson B #55



February 1, 2021

Wetlands

Estuarine and Marine Deepwater

Released to Imaging: 4/18/2022 10:06:55 AM

- Estuarine and Marine Wetland
- Freshwater Emergent Wetland Freshwater Forested/Shrub Wetland
- **Freshwater Pond**

Lake Other Riverine

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

National Wetlands Inventory (NWI)

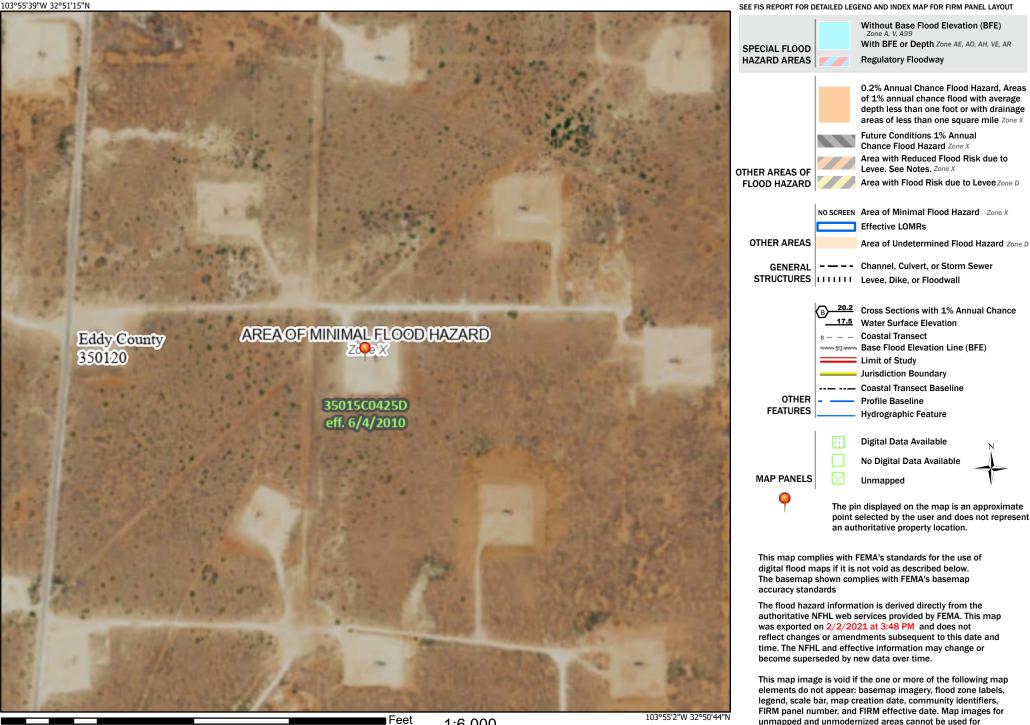
This page was produced by the NWI mapper

Received by OCD: 3/29/2022 9:56:15 AM National Flood Hazard Layer FIRMette



Legend

Page 26 of 164



Releasea to Imaging: 4/18/2022, 90.06:55 AM 1,500

Feet 1:6,000

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

regulatory purposes.

Attachment B Photographic Log

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Photo 1: View of southern excavation facing southwest



Photo 2: View of southern excavation facing south



Photo 3: View of southern excavation facing northeast



Photo 4: View of southern excavation facing north

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

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July 30, 2021

Becky Haskell GHD Midland 2135 S Loop 250 W Midland, TX 79703 TEL: (432) 686-0086 FAX Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

OrderNo.: 2107A94

Dear Becky Haskell:

RE: Jackson B 55

Hall Environmental Analysis Laboratory received 36 sample(s) on 7/22/2021 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued July 29, 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

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2107A94

Date Reported: 7/30/2021

CLIENT: GHD Midland	Client Sample ID: TP1-S Collection Date: 7/21/2021 7:50:00 AM						
Project: Jackson B 55							
Lab ID: 2107A94-001	Matrix: SOILReceived Date: 7/22/2021 7:30:00 AM						
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst:	VP	
Chloride	ND	60	mg/Kg	20	7/27/2021 3:18:36 PM	61578	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst:	SB	
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	7/24/2021 11:17:36 PM	61519	
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	7/24/2021 11:17:36 PM	61519	
Surr: DNOP	108	70-130	%Rec	1	7/24/2021 11:17:36 PM	61519	
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst:	NSB	
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/24/2021 1:39:29 AM	61501	
Surr: BFB	91.6	70-130	%Rec	1	7/24/2021 1:39:29 AM	61501	
EPA METHOD 8021B: VOLATILES					Analyst:	NSB	
Benzene	ND	0.024	mg/Kg	1	7/24/2021 1:39:29 AM	61501	
Toluene	ND	0.048	mg/Kg	1	7/24/2021 1:39:29 AM	61501	
Ethylbenzene	ND	0.048	mg/Kg	1	7/24/2021 1:39:29 AM	61501	
Xylenes, Total	ND	0.096	mg/Kg	1	7/24/2021 1:39:29 AM	61501	
Surr: 4-Bromofluorobenzene	94.2	70-130	%Rec	1	7/24/2021 1:39:29 AM	61501	

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

Qualifiers:

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

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

Page 1 of 43

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2107A94

Date Reported: 7/30/2021

CLIENT: GHD Midland Project: Jackson B 55	Client Sample ID: TP1-2 Collection Date: 7/21/2021 8:00:00 AM Matrix: SOIL Received Date: 7/22/2021 7:30:00 AM						
Project: Jackson B 55 Lab ID: 2107A94-002							
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: VP
Chloride	100	60		mg/Kg	20	7/27/2021 4:20:40 PM	61585
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/24/2021 11:41:20 PM	61519
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/24/2021 11:41:20 PM	61519
Surr: DNOP	141	70-130	S	%Rec	1	7/24/2021 11:41:20 PM	61519
EPA METHOD 8015D: GASOLINE RANGE	E					Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	7/24/2021 2:02:59 AM	61501
Surr: BFB	90.5	70-130		%Rec	1	7/24/2021 2:02:59 AM	61501
EPA METHOD 8021B: VOLATILES						Analyst	NSB
Benzene	ND	0.023		mg/Kg	1	7/24/2021 2:02:59 AM	61501
Toluene	ND	0.046		mg/Kg	1	7/24/2021 2:02:59 AM	61501
Ethylbenzene	ND	0.046		mg/Kg	1	7/24/2021 2:02:59 AM	61501
Xylenes, Total	ND	0.092		mg/Kg	1	7/24/2021 2:02:59 AM	61501
Surr: 4-Bromofluorobenzene	92.8	70-130		%Rec	1	7/24/2021 2:02:59 AM	61501

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

Qualifiers:

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

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

Page 2 of 43

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2107A94

Date Reported: 7/30/2021

CLIENT: GHD Midland	Client Sample ID: TP2-S							
Project: Jackson B 55	Collection Date: 7/21/2021 8:10:00 AM							
Lab ID: 2107A94-003	Matrix: SOIL	Received Date: 7/22/2021 7:30:00 AM						
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analyst	: VP		
Chloride	ND	60	mg/Kg	20	7/27/2021 4:57:54 PM	61585		
EPA METHOD 8015M/D: DIESEL RANGE	E ORGANICS				Analyst	SB		
Diesel Range Organics (DRO)	ND	9.1	mg/Kg	1	7/25/2021 12:05:05 AM	61519		
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	7/25/2021 12:05:05 AM	61519		
Surr: DNOP	118	70-130	%Rec	1	7/25/2021 12:05:05 AM	61519		
EPA METHOD 8015D: GASOLINE RANG	E				Analyst	NSB		
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/24/2021 2:26:41 AM	61501		
Surr: BFB	90.3	70-130	%Rec	1	7/24/2021 2:26:41 AM	61501		
EPA METHOD 8021B: VOLATILES					Analyst	NSB		
Benzene	ND	0.024	mg/Kg	1	7/24/2021 2:26:41 AM	61501		
Toluene	ND	0.048	mg/Kg	1	7/24/2021 2:26:41 AM	61501		
Ethylbenzene	ND	0.048	mg/Kg	1	7/24/2021 2:26:41 AM	61501		
Xylenes, Total	ND	0.095	mg/Kg	1	7/24/2021 2:26:41 AM	61501		
Surr: 4-Bromofluorobenzene	92.7	70-130	%Rec	1	7/24/2021 2:26:41 AM	61501		

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

Qualifiers:

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

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

Page 3 of 43

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2107A94

Date Reported: 7/30/2021

CLIENT: GHD Midland	Client Sample ID: TP2-2						
Project: Jackson B 55	Collection Date: 7/21/2021 8:15:00 AM						
Lab ID: 2107A94-004	Matrix: SOIL Received Date: 7/22/2021 7:30:00 AN						
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	: VP	
Chloride	170	60	mg/Kg	20	7/27/2021 5:35:08 PM	61585	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB	
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	7/25/2021 12:52:39 AM	61519	
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	7/25/2021 12:52:39 AM	61519	
Surr: DNOP	116	70-130	%Rec	1	7/25/2021 12:52:39 AM	61519	
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB	
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/24/2021 2:50:21 AM	61501	
Surr: BFB	92.1	70-130	%Rec	1	7/24/2021 2:50:21 AM	61501	
EPA METHOD 8021B: VOLATILES					Analyst	: NSB	
Benzene	ND	0.024	mg/Kg	1	7/24/2021 2:50:21 AM	61501	
Toluene	ND	0.048	mg/Kg	1	7/24/2021 2:50:21 AM	61501	
Ethylbenzene	ND	0.048	mg/Kg	1	7/24/2021 2:50:21 AM	61501	
Xylenes, Total	ND	0.096	mg/Kg	1	7/24/2021 2:50:21 AM	61501	
Surr: 4-Bromofluorobenzene	93.9	70-130	%Rec	1	7/24/2021 2:50:21 AM	61501	

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

Qualifiers:

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

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

Page 4 of 43

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2107A94

Date Reported: 7/30/2021

CLIENT: GHD Midland	Client Sample ID: TP3-S							
Project: Jackson B 55	Collection Date: 7/21/2021 8:20:00 AM							
Lab ID: 2107A94-005	Matrix: SOIL	Received Date: 7/22/2021 7:30:00 AM						
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analyst	: VP		
Chloride	ND	60	mg/Kg	20	7/27/2021 5:47:34 PM	61585		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB		
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	7/25/2021 1:16:22 AM	61519		
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/25/2021 1:16:22 AM	61519		
Surr: DNOP	117	70-130	%Rec	1	7/25/2021 1:16:22 AM	61519		
EPA METHOD 8015D: GASOLINE RANG	E				Analyst	: NSB		
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	7/24/2021 4:24:21 AM	61501		
Surr: BFB	90.9	70-130	%Rec	1	7/24/2021 4:24:21 AM	61501		
EPA METHOD 8021B: VOLATILES					Analyst	: NSB		
Benzene	ND	0.025	mg/Kg	1	7/24/2021 4:24:21 AM	61501		
Toluene	ND	0.050	mg/Kg	1	7/24/2021 4:24:21 AM	61501		
Ethylbenzene	ND	0.050	mg/Kg	1	7/24/2021 4:24:21 AM	61501		
Xylenes, Total	ND	0.10	mg/Kg	1	7/24/2021 4:24:21 AM	61501		
Surr: 4-Bromofluorobenzene	93.6	70-130	%Rec	1	7/24/2021 4:24:21 AM	61501		

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

Qualifiers:

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

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

Page 5 of 43

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2107A94

Date Reported: 7/30/2021

CLIENT: GHD Midland Project: Jackson B 55	Client Sample ID: TP3-4 Collection Date: 7/21/2021 8:30:00 AM						
Lab ID: 2107A94-006	Matrix: SOIL		Received Dat	e: 7/2	22/2021 7:30:00 AM		
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	: VP	
Chloride	2100	60	mg/Kg	20	7/27/2021 5:59:58 PM	61585	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB	
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	7/25/2021 1:40:06 AM	61519	
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	7/25/2021 1:40:06 AM	61519	
Surr: DNOP	121	70-130	%Rec	1	7/25/2021 1:40:06 AM	61519	
EPA METHOD 8015D: GASOLINE RANGE	I				Analyst	: NSB	
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	7/24/2021 4:48:02 AM	61501	
Surr: BFB	91.6	70-130	%Rec	1	7/24/2021 4:48:02 AM	61501	
EPA METHOD 8021B: VOLATILES					Analyst	: NSB	
Benzene	ND	0.023	mg/Kg	1	7/24/2021 4:48:02 AM	61501	
Toluene	ND	0.047	mg/Kg	1	7/24/2021 4:48:02 AM	61501	
Ethylbenzene	ND	0.047	mg/Kg	1	7/24/2021 4:48:02 AM	61501	
Xylenes, Total	ND	0.094	mg/Kg	1	7/24/2021 4:48:02 AM	61501	
Surr: 4-Bromofluorobenzene	93.7	70-130	%Rec	1	7/24/2021 4:48:02 AM	61501	

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

Qualifiers:

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits Sample pH Not In Range
- Р RL Reporting Limit
- Page 6 of 43

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2107A94

Date Reported: 7/30/2021

CLIENT: GHD Midland	Client Sample ID: TP4-S						
Project: Jackson B 55	Collection Date: 7/21/2021 8:35:00 AM						
Lab ID: 2107A94-007	Matrix: SOIL		Received Date	e: 7/2	22/2021 7:30:00 AM		
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	: VP	
Chloride	89	59	mg/Kg	20	7/27/2021 6:12:23 PM	61585	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB	
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	7/25/2021 2:03:46 AM	61519	
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	7/25/2021 2:03:46 AM	61519	
Surr: DNOP	119	70-130	%Rec	1	7/25/2021 2:03:46 AM	61519	
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	: NSB	
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	7/24/2021 5:11:40 AM	61501	
Surr: BFB	89.8	70-130	%Rec	1	7/24/2021 5:11:40 AM	61501	
EPA METHOD 8021B: VOLATILES					Analyst	: NSB	
Benzene	ND	0.024	mg/Kg	1	7/24/2021 5:11:40 AM	61501	
Toluene	ND	0.047	mg/Kg	1	7/24/2021 5:11:40 AM	61501	
Ethylbenzene	ND	0.047	mg/Kg	1	7/24/2021 5:11:40 AM	61501	
Xylenes, Total	ND	0.095	mg/Kg	1	7/24/2021 5:11:40 AM	61501	
Surr: 4-Bromofluorobenzene	92.1	70-130	%Rec	1	7/24/2021 5:11:40 AM	61501	

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

Qualifiers:

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

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

Page 7 of 43

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2107A94

Date Reported: 7/30/2021

CLIENT: GHD Midland	Client Sample ID: TP4-2							
Project: Jackson B 55	Collection Date: 7/21/2021 8:40:00 AM							
Lab ID: 2107A94-008	Matrix: SOIL		Received Dat	e: 7/2	2/2021 7:30:00 AM			
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analyst	: VP		
Chloride	670	60	mg/Kg	20	7/27/2021 6:49:38 PM	61585		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: SB		
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	7/25/2021 2:27:26 AM	61519		
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	7/25/2021 2:27:26 AM	61519		
Surr: DNOP	121	70-130	%Rec	1	7/25/2021 2:27:26 AM	61519		
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	: NSB		
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/24/2021 5:35:13 AM	61501		
Surr: BFB	92.7	70-130	%Rec	1	7/24/2021 5:35:13 AM	61501		
EPA METHOD 8021B: VOLATILES					Analyst	: NSB		
Benzene	ND	0.024	mg/Kg	1	7/24/2021 5:35:13 AM	61501		
Toluene	ND	0.048	mg/Kg	1	7/24/2021 5:35:13 AM	61501		
Ethylbenzene	ND	0.048	mg/Kg	1	7/24/2021 5:35:13 AM	61501		
Xylenes, Total	ND	0.095	mg/Kg	1	7/24/2021 5:35:13 AM	61501		
Surr: 4-Bromofluorobenzene	94.5	70-130	%Rec	1	7/24/2021 5:35:13 AM	61501		

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

Qualifiers:

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

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

Page 8 of 43

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2107A94

Date Reported: 7/30/2021

CLIENT: GHD Midland		Cl	ient Sample II	D: TF	25-S			
Project: Jackson B 55	Collection Date: 7/21/2021 8:50:00 AM							
Lab ID: 2107A94-009	Matrix: SOIL		Received Dat	e: 7/2	22/2021 7:30:00 AM			
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analyst	: VP		
Chloride	130	60	mg/Kg	20	7/27/2021 7:02:03 PM	61585		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: SB		
Diesel Range Organics (DRO)	ND	8.9	mg/Kg	1	7/25/2021 2:51:06 AM	61519		
Motor Oil Range Organics (MRO)	ND	44	mg/Kg	1	7/25/2021 2:51:06 AM	61519		
Surr: DNOP	113	70-130	%Rec	1	7/25/2021 2:51:06 AM	61519		
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB		
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/24/2021 5:58:39 AM	61501		
Surr: BFB	93.3	70-130	%Rec	1	7/24/2021 5:58:39 AM	61501		
EPA METHOD 8021B: VOLATILES					Analyst	: NSB		
Benzene	ND	0.024	mg/Kg	1	7/24/2021 5:58:39 AM	61501		
Toluene	ND	0.048	mg/Kg	1	7/24/2021 5:58:39 AM	61501		
Ethylbenzene	ND	0.048	mg/Kg	1	7/24/2021 5:58:39 AM	61501		
Xylenes, Total	ND	0.095	mg/Kg	1	7/24/2021 5:58:39 AM	61501		
Surr: 4-Bromofluorobenzene	96.1	70-130	%Rec	1	7/24/2021 5:58:39 AM	61501		

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

Qualifiers:

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

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

Page 9 of 43

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2107A94

Date Reported: 7/30/2021

CLIENT: GHD Midland	Client Sample ID: TP5-2 Collection Date: 7/21/2021 8:55:00 AM						
Project: Jackson B 55 Lab ID: 2107A94-010	Matrix: SOIL	,			22/2021 8:55:00 AM		
	Matrix. SOIL		Received Date	c. 172	.2/2021 7.30.00 AW		
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	: VP	
Chloride	760	60	mg/Kg	20	7/27/2021 7:14:28 PM	61585	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB	
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	7/25/2021 3:14:47 AM	61519	
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	7/25/2021 3:14:47 AM	61519	
Surr: DNOP	119	70-130	%Rec	1	7/25/2021 3:14:47 AM	61519	
EPA METHOD 8015D: GASOLINE RANG	E				Analyst	: NSB	
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	7/24/2021 6:22:08 AM	61501	
Surr: BFB	91.8	70-130	%Rec	1	7/24/2021 6:22:08 AM	61501	
EPA METHOD 8021B: VOLATILES					Analyst	: NSB	
Benzene	ND	0.023	mg/Kg	1	7/24/2021 6:22:08 AM	61501	
Toluene	ND	0.046	mg/Kg	1	7/24/2021 6:22:08 AM	61501	
Ethylbenzene	ND	0.046	mg/Kg	1	7/24/2021 6:22:08 AM	61501	
Xylenes, Total	ND	0.093	mg/Kg	1	7/24/2021 6:22:08 AM	61501	
Surr: 4-Bromofluorobenzene	93.6	70-130	%Rec	1	7/24/2021 6:22:08 AM	61501	

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

Qualifiers:

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

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

Page 10 of 43

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2107A94

Date Reported: 7/30/2021

CLIENT: GHD Midland	Client Sample ID: TP6-S Collection Date: 7/21/2021 9:10:00 AM							
Project: Jackson B 55								
Lab ID: 2107A94-011	Matrix: SOIL		Received Dat	t e: 7/2	22/2021 7:30:00 AM			
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analyst	VP		
Chloride	ND	60	mg/Kg	20	7/27/2021 7:26:54 PM	61585		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB		
Diesel Range Organics (DRO)	ND	9.1	mg/Kg	1	7/25/2021 3:38:24 AM	61519		
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	7/25/2021 3:38:24 AM	61519		
Surr: DNOP	121	70-130	%Rec	1	7/25/2021 3:38:24 AM	61519		
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	NSB		
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/24/2021 6:45:46 AM	61501		
Surr: BFB	92.0	70-130	%Rec	1	7/24/2021 6:45:46 AM	61501		
EPA METHOD 8021B: VOLATILES					Analyst	NSB		
Benzene	ND	0.024	mg/Kg	1	7/24/2021 6:45:46 AM	61501		
Toluene	ND	0.048	mg/Kg	1	7/24/2021 6:45:46 AM	61501		
Ethylbenzene	ND	0.048	mg/Kg	1	7/24/2021 6:45:46 AM	61501		
Xylenes, Total	ND	0.095	mg/Kg	1	7/24/2021 6:45:46 AM	61501		
Surr: 4-Bromofluorobenzene	94.3	70-130	%Rec	1	7/24/2021 6:45:46 AM	61501		

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

Qualifiers:

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

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

Page 11 of 43

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2107A94

Date Reported: 7/30/2021

CLIENT: GHD Midland	Client Sample ID: TP6-2						
Project: Jackson B 55	Collection Date: 7/21/2021 9:15:00 AM						
Lab ID: 2107A94-012	Matrix: SOIL		Received Date	e: 7/2	22/2021 7:30:00 AM		
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	: VP	
Chloride	ND	60	mg/Kg	20	7/27/2021 7:39:18 PM	61585	
EPA METHOD 8015M/D: DIESEL RANGE					Analyst	SB	
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	7/25/2021 4:02:00 AM	61519	
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	7/25/2021 4:02:00 AM	61519	
Surr: DNOP	116	70-130	%Rec	1	7/25/2021 4:02:00 AM	61519	
EPA METHOD 8015D: GASOLINE RANG	E				Analyst	: NSB	
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/24/2021 7:09:22 AM	61501	
Surr: BFB	90.7	70-130	%Rec	1	7/24/2021 7:09:22 AM	61501	
EPA METHOD 8021B: VOLATILES					Analyst	: NSB	
Benzene	ND	0.024	mg/Kg	1	7/24/2021 7:09:22 AM	61501	
Toluene	ND	0.048	mg/Kg	1	7/24/2021 7:09:22 AM	61501	
Ethylbenzene	ND	0.048	mg/Kg	1	7/24/2021 7:09:22 AM	61501	
Xylenes, Total	ND	0.097	mg/Kg	1	7/24/2021 7:09:22 AM	61501	
Surr: 4-Bromofluorobenzene	93.2	70-130	%Rec	1	7/24/2021 7:09:22 AM	61501	

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

Qualifiers:

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

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

Page 12 of 43

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2107A94

Date Reported: 7/30/2021

CLIENT: GHD Midland	Client Sample ID: TP7-S						
Project: Jackson B 55		(Collection Dat	e: 7/2	21/2021 9:20:00 AM		
Lab ID: 2107A94-013	Matrix: SOIL		Received Dat	e: 7/2	22/2021 7:30:00 AM		
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analysi	: VP	
Chloride	ND	60	mg/Kg	20	7/27/2021 7:51:42 PM	61585	
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst	: SB	
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	7/25/2021 4:25:37 AM	61519	
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	7/25/2021 4:25:37 AM	61519	
Surr: DNOP	119	70-130	%Rec	1	7/25/2021 4:25:37 AM	61519	
EPA METHOD 8015D: GASOLINE RANG	GE				Analyst	: NSB	
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	7/24/2021 7:32:52 AM	61501	
Surr: BFB	92.3	70-130	%Rec	1	7/24/2021 7:32:52 AM	61501	
EPA METHOD 8021B: VOLATILES					Analyst	: NSB	
Benzene	ND	0.024	mg/Kg	1	7/24/2021 7:32:52 AM	61501	
Toluene	ND	0.047	mg/Kg	1	7/24/2021 7:32:52 AM	61501	
Ethylbenzene	ND	0.047	mg/Kg	1	7/24/2021 7:32:52 AM	61501	
Xylenes, Total	ND	0.094	mg/Kg	1	7/24/2021 7:32:52 AM	61501	
Surr: 4-Bromofluorobenzene	94.4	70-130	%Rec	1	7/24/2021 7:32:52 AM	61501	

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

Qualifiers:

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

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

Page 13 of 43

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2107A94

Date Reported: 7/30/2021

CLIENT: GHD Midland	Client Sample ID: TP7-2						
Project: Jackson B 55		(Collection Dat	te: 7/2	21/2021 9:25:00 AM		
Lab ID: 2107A94-014	Matrix: SOIL		Received Dat	t e: 7/2	22/2021 7:30:00 AM		
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	: VP	
Chloride	ND	60	mg/Kg	20	7/27/2021 8:04:08 PM	61585	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB	
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	7/25/2021 4:49:17 AM	61519	
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	7/25/2021 4:49:17 AM	61519	
Surr: DNOP	117	70-130	%Rec	1	7/25/2021 4:49:17 AM	61519	
EPA METHOD 8015D: GASOLINE RANG	E				Analyst	NSB	
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/24/2021 7:56:23 AM	61501	
Surr: BFB	92.6	70-130	%Rec	1	7/24/2021 7:56:23 AM	61501	
EPA METHOD 8021B: VOLATILES					Analyst	NSB	
Benzene	ND	0.024	mg/Kg	1	7/24/2021 7:56:23 AM	61501	
Toluene	ND	0.048	mg/Kg	1	7/24/2021 7:56:23 AM	61501	
Ethylbenzene	ND	0.048	mg/Kg	1	7/24/2021 7:56:23 AM	61501	
Xylenes, Total	ND	0.096	mg/Kg	1	7/24/2021 7:56:23 AM	61501	
Surr: 4-Bromofluorobenzene	94.5	70-130	%Rec	1	7/24/2021 7:56:23 AM	61501	

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

Qualifiers:

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

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

Page 14 of 43

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2107A94

Date Reported: 7/30/2021

CLIENT: GHD Midland	Client Sample ID: TP8-S						
Project: Jackson B 55	Collection Date: 7/21/2021 9:35:00 AM Matrix: SOIL Received Date: 7/22/2021 7:30:00 AM						
Lab ID: 2107A94-015	Matrix: SOIL		Received Date	e: //2	22/2021 /:30:00 AM		
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	: VP	
Chloride	ND	60	mg/Kg	20	7/27/2021 8:16:33 PM	61585	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB	
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	7/25/2021 5:12:55 AM	61519	
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	7/25/2021 5:12:55 AM	61519	
Surr: DNOP	119	70-130	%Rec	1	7/25/2021 5:12:55 AM	61519	
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	: NSB	
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/24/2021 9:07:12 AM	61501	
Surr: BFB	91.1	70-130	%Rec	1	7/24/2021 9:07:12 AM	61501	
EPA METHOD 8021B: VOLATILES					Analyst	: NSB	
Benzene	ND	0.024	mg/Kg	1	7/24/2021 9:07:12 AM	61501	
Toluene	ND	0.048	mg/Kg	1	7/24/2021 9:07:12 AM	61501	
Ethylbenzene	ND	0.048	mg/Kg	1	7/24/2021 9:07:12 AM	61501	
Xylenes, Total	ND	0.097	mg/Kg	1	7/24/2021 9:07:12 AM	61501	
Surr: 4-Bromofluorobenzene	92.7	70-130	%Rec	1	7/24/2021 9:07:12 AM	61501	

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

Qualifiers:

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range RL Reporting Limit
- Page 15 of 43

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2107A94

Date Reported: 7/30/2021

CLIENT: GHD Midland Project: Jackson B 55	Client Sample ID: TP8-2 Collection Date: 7/21/2021 9:40:00 AM					
Lab ID: 2107A94-016	Matrix: SOIL		Received Dat	e: 7/2	22/2021 7:30:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	800	59	mg/Kg	20	7/27/2021 8:28:57 PM	61585
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	7/25/2021 5:36:34 AM	61519
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	7/25/2021 5:36:34 AM	61519
Surr: DNOP	118	70-130	%Rec	1	7/25/2021 5:36:34 AM	61519
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/24/2021 9:30:43 AM	61501
Surr: BFB	91.5	70-130	%Rec	1	7/24/2021 9:30:43 AM	61501
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	7/24/2021 9:30:43 AM	61501
Toluene	ND	0.049	mg/Kg	1	7/24/2021 9:30:43 AM	61501
Ethylbenzene	ND	0.049	mg/Kg	1	7/24/2021 9:30:43 AM	61501
Xylenes, Total	ND	0.099	mg/Kg	1	7/24/2021 9:30:43 AM	61501
Surr: 4-Bromofluorobenzene	93.4	70-130	%Rec	1	7/24/2021 9:30:43 AM	61501

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

Qualifiers:

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

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

Page 16 of 43

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2107A94

Date Reported: 7/30/2021

CLIENT: GHD Midland	Client Sample ID: TP9-S							
Project: Jackson B 55	Collection Date: 7/21/2021 9:50:00 AM							
Lab ID: 2107A94-017	Matrix: SOIL		Received Dat	e: 7/2	22/2021 7:30:00 AM			
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analyst	: VP		
Chloride	ND	60	mg/Kg	20	7/27/2021 8:41:22 PM	61585		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB		
Diesel Range Organics (DRO)	ND	8.9	mg/Kg	1	7/25/2021 6:00:10 AM	61519		
Motor Oil Range Organics (MRO)	ND	44	mg/Kg	1	7/25/2021 6:00:10 AM	61519		
Surr: DNOP	122	70-130	%Rec	1	7/25/2021 6:00:10 AM	61519		
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	: NSB		
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/24/2021 9:54:19 AM	61501		
Surr: BFB	91.9	70-130	%Rec	1	7/24/2021 9:54:19 AM	61501		
EPA METHOD 8021B: VOLATILES					Analyst	: NSB		
Benzene	ND	0.024	mg/Kg	1	7/24/2021 9:54:19 AM	61501		
Toluene	ND	0.048	mg/Kg	1	7/24/2021 9:54:19 AM	61501		
Ethylbenzene	ND	0.048	mg/Kg	1	7/24/2021 9:54:19 AM	61501		
Xylenes, Total	ND	0.097	mg/Kg	1	7/24/2021 9:54:19 AM	61501		
Surr: 4-Bromofluorobenzene	94.1	70-130	%Rec	1	7/24/2021 9:54:19 AM	61501		

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

Qualifiers:

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

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

Page 17 of 43

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2107A94

Date Reported: 7/30/2021

CLIENT: GHD Midland	Client Sample ID: TP9-2 Collection Date: 7/21/2021 9:55:00 AM						
Project: Jackson B 55							
Lab ID: 2107A94-018	Matrix: SOIL		Received Dat	e: 7/2	22/2021 7:30:00 AM		
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	: VP	
Chloride	ND	59	mg/Kg	20	7/27/2021 9:18:37 PM	61585	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB	
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	7/25/2021 6:23:39 AM	61519	
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/25/2021 6:23:39 AM	61519	
Surr: DNOP	122	70-130	%Rec	1	7/25/2021 6:23:39 AM	61519	
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB	
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	7/24/2021 10:17:55 AM	61501	
Surr: BFB	91.3	70-130	%Rec	1	7/24/2021 10:17:55 AM	61501	
EPA METHOD 8021B: VOLATILES					Analyst	: NSB	
Benzene	ND	0.025	mg/Kg	1	7/24/2021 10:17:55 AM	61501	
Toluene	ND	0.050	mg/Kg	1	7/24/2021 10:17:55 AM	61501	
Ethylbenzene	ND	0.050	mg/Kg	1	7/24/2021 10:17:55 AM	61501	
Xylenes, Total	ND	0.099	mg/Kg	1	7/24/2021 10:17:55 AM	61501	
Surr: 4-Bromofluorobenzene	94.1	70-130	%Rec	1	7/24/2021 10:17:55 AM	61501	

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

Qualifiers:

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

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

Page 18 of 43

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2107A94

Date Reported: 7/30/2021

CLIENT: GHD Midland		Cl	ient Sample II	D: TF	P10-S		
Project: Jackson B 55		(Collection Dat	e: 7/2	21/2021 10:20:00 AM		
Lab ID: 2107A94-019	Matrix: SOIL	Received Date: 7/22/2021 7:30:00 AM					
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst:	VP	
Chloride	ND	60	mg/Kg	20	7/27/2021 9:31:02 PM	61585	
EPA METHOD 8015M/D: DIESEL RANG	SE ORGANICS				Analyst:	SB	
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	7/24/2021 10:45:40 AM	61521	
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/24/2021 10:45:40 AM	61521	
Surr: DNOP	104	70-130	%Rec	1	7/24/2021 10:45:40 AM	61521	
EPA METHOD 8015D: GASOLINE RAN	GE				Analyst:	NSB	
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/26/2021 12:54:16 PM	61502	
Surr: BFB	95.7	70-130	%Rec	1	7/26/2021 12:54:16 PM	61502	
EPA METHOD 8021B: VOLATILES					Analyst:	NSB	
Benzene	ND	0.024	mg/Kg	1	7/26/2021 12:54:16 PM	61502	
Toluene	ND	0.048	mg/Kg	1	7/26/2021 12:54:16 PM	61502	
Ethylbenzene	ND	0.048	mg/Kg	1	7/26/2021 12:54:16 PM	61502	
Xylenes, Total	ND	0.097	mg/Kg	1	7/26/2021 12:54:16 PM	61502	
Surr: 4-Bromofluorobenzene	98.2	70-130	%Rec	1	7/26/2021 12:54:16 PM	61502	

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

Qualifiers:

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

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

Page 19 of 43

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2107A94

Date Reported: 7/30/2021

CLIENT: GHD Midland		Cl	ient Sample II	D: TF	210-2		
Project: Jackson B 55		(Collection Dat	e: 7/2	21/2021 10:25:00 AM		
Lab ID: 2107A94-020	Matrix: SOIL	Received Date: 7/22/2021 7:30:00 AM					
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	: VP	
Chloride	ND	60	mg/Kg	20	7/27/2021 9:43:26 PM	61585	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: SB	
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	7/24/2021 11:14:28 AN	61521	
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	7/24/2021 11:14:28 AM	61521	
Surr: DNOP	117	70-130	%Rec	1	7/24/2021 11:14:28 AM	61521	
EPA METHOD 8015D: GASOLINE RANG	E				Analyst	: NSB	
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/26/2021 2:04:54 PM	61502	
Surr: BFB	94.9	70-130	%Rec	1	7/26/2021 2:04:54 PM	61502	
EPA METHOD 8021B: VOLATILES					Analyst	: NSB	
Benzene	ND	0.025	mg/Kg	1	7/26/2021 2:04:54 PM	61502	
Toluene	ND	0.049	mg/Kg	1	7/26/2021 2:04:54 PM	61502	
Ethylbenzene	ND	0.049	mg/Kg	1	7/26/2021 2:04:54 PM	61502	
Xylenes, Total	ND	0.098	mg/Kg	1	7/26/2021 2:04:54 PM	61502	
Surr: 4-Bromofluorobenzene	97.6	70-130	%Rec	1	7/26/2021 2:04:54 PM	61502	

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

Qualifiers:

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

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

Page 20 of 43

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2107A94

Date Reported: 7/30/2021

CLIENT: GHD Midland		Cl	ient Sample II	D: TH	P11-S				
Project: Jackson B 55		(Collection Dat	e: 7/2	21/2021 10:30:00 AM				
Lab ID: 2107A94-021	Matrix: SOIL		Received Date: 7/22/2021 7:30:00 AM						
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analyst	VP			
Chloride	ND	60	mg/Kg	20	7/27/2021 9:55:51 PM	61585			
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB			
Diesel Range Organics (DRO)	48	9.6	mg/Kg	1	7/26/2021 2:10:31 PM	61521			
Motor Oil Range Organics (MRO)	58	48	mg/Kg	1	7/26/2021 2:10:31 PM	61521			
Surr: DNOP	119	70-130	%Rec	1	7/26/2021 2:10:31 PM	61521			
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	NSB			
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/26/2021 3:15:34 PM	61502			
Surr: BFB	97.5	70-130	%Rec	1	7/26/2021 3:15:34 PM	61502			
EPA METHOD 8021B: VOLATILES					Analyst	NSB			
Benzene	ND	0.025	mg/Kg	1	7/26/2021 3:15:34 PM	61502			
Toluene	ND	0.049	mg/Kg	1	7/26/2021 3:15:34 PM	61502			
Ethylbenzene	ND	0.049	mg/Kg	1	7/26/2021 3:15:34 PM	61502			
Xylenes, Total	ND	0.099	mg/Kg	1	7/26/2021 3:15:34 PM	61502			
Surr: 4-Bromofluorobenzene	99.7	70-130	%Rec	1	7/26/2021 3:15:34 PM	61502			

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

Qualifiers:

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

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

Page 21 of 43

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2107A94

Date Reported: 7/30/2021

CLIENT: GHD Midland	Client Sample ID: TP11-2							
Project: Jackson B 55	Collection Date: 7/21/2021 10:40:00 AM							
Lab ID: 2107A94-022	Matrix: SOIL		Received Dat	e: 7/2	22/2021 7:30:00 AM			
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analyst	: VP		
Chloride	ND	60	mg/Kg	20	7/27/2021 5:10:12 PM	61588		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: SB		
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	7/24/2021 11:33:43 AM	61521		
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	7/24/2021 11:33:43 AM	61521		
Surr: DNOP	108	70-130	%Rec	1	7/24/2021 11:33:43 AM	61521		
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB		
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/26/2021 3:39:12 PM	61502		
Surr: BFB	98.1	70-130	%Rec	1	7/26/2021 3:39:12 PM	61502		
EPA METHOD 8021B: VOLATILES					Analyst	: NSB		
Benzene	ND	0.024	mg/Kg	1	7/26/2021 3:39:12 PM	61502		
Toluene	ND	0.048	mg/Kg	1	7/26/2021 3:39:12 PM	61502		
Ethylbenzene	ND	0.048	mg/Kg	1	7/26/2021 3:39:12 PM	61502		
Xylenes, Total	ND	0.097	mg/Kg	1	7/26/2021 3:39:12 PM	61502		
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	1	7/26/2021 3:39:12 PM	61502		

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

Qualifiers:

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

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

Page 22 of 43

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2107A94

Date Reported: 7/30/2021

CLIENT: GHD Midland		C	ient Sample II	D: TF	P12-S			
Project: Jackson B 55	Collection Date: 7/21/2021 10:50:00 AM							
Lab ID: 2107A94-023	Matrix: SOIL	Received Date: 7/22/2021 7:30:00 AM						
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analyst	: VP		
Chloride	ND	60	mg/Kg	20	7/27/2021 5:22:37 PM	61588		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: SB		
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	7/24/2021 11:43:21 AN	61521		
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	7/24/2021 11:43:21 AM	61521		
Surr: DNOP	129	70-130	%Rec	1	7/24/2021 11:43:21 AM	61521		
EPA METHOD 8015D: GASOLINE RANG	E				Analyst	: NSB		
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/26/2021 4:02:45 PM	61502		
Surr: BFB	98.7	70-130	%Rec	1	7/26/2021 4:02:45 PM	61502		
EPA METHOD 8021B: VOLATILES					Analyst	: NSB		
Benzene	ND	0.024	mg/Kg	1	7/26/2021 4:02:45 PM	61502		
Toluene	ND	0.048	mg/Kg	1	7/26/2021 4:02:45 PM	61502		
Ethylbenzene	ND	0.048	mg/Kg	1	7/26/2021 4:02:45 PM	61502		
Xylenes, Total	ND	0.096	mg/Kg	1	7/26/2021 4:02:45 PM	61502		
Surr: 4-Bromofluorobenzene	102	70-130	%Rec	1	7/26/2021 4:02:45 PM	61502		

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

Qualifiers:

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

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

Page 23 of 43

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2107A94

Date Reported: 7/30/2021

CLIENT: GHD Midland Project: Jackson B 55	Client Sample ID: TP12-2 Collection Date: 7/21/2021 10:55:00 AM						
Project: Jackson B 55 Lab ID: 2107A94-024	Matrix: SOIL	,			22/2021 7:30:00 AM		
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	: VP	
Chloride	ND	60	mg/Kg	20	7/27/2021 5:35:01 PM	61588	
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst	SB	
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	7/24/2021 12:02:43 PM	61521	
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/24/2021 12:02:43 PM	61521	
Surr: DNOP	102	70-130	%Rec	1	7/24/2021 12:02:43 PM	61521	
EPA METHOD 8015D: GASOLINE RANG	GE				Analyst	: NSB	
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	7/26/2021 4:26:17 PM	61502	
Surr: BFB	96.7	70-130	%Rec	1	7/26/2021 4:26:17 PM	61502	
EPA METHOD 8021B: VOLATILES					Analyst	: NSB	
Benzene	ND	0.025	mg/Kg	1	7/26/2021 4:26:17 PM	61502	
Toluene	ND	0.050	mg/Kg	1	7/26/2021 4:26:17 PM	61502	
Ethylbenzene	ND	0.050	mg/Kg	1	7/26/2021 4:26:17 PM	61502	
Xylenes, Total	ND	0.099	mg/Kg	1	7/26/2021 4:26:17 PM	61502	
Surr: 4-Bromofluorobenzene	99.2	70-130	%Rec	1	7/26/2021 4:26:17 PM	61502	

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

Qualifiers:

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

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

Page 24 of 43

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2107A94

Date Reported: 7/30/2021

CLIENT: GHD Midland	Client Sample ID: TP13-S						
Project: Jackson B 55	Collection Date: 7/21/2021 11:00:00 AM						
Lab ID: 2107A94-025	Matrix: SOIL		Received Dat	e: 7/2	22/2021 7:30:00 AM		
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	: VP	
Chloride	77	59	mg/Kg	20	7/27/2021 5:47:26 PM	61588	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB	
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	7/24/2021 12:12:23 PM	61521	
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/24/2021 12:12:23 PM	61521	
Surr: DNOP	114	70-130	%Rec	1	7/24/2021 12:12:23 PM	61521	
EPA METHOD 8015D: GASOLINE RANG	E				Analyst	NSB	
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	7/26/2021 6:00:40 PM	61502	
Surr: BFB	98.6	70-130	%Rec	1	7/26/2021 6:00:40 PM	61502	
EPA METHOD 8021B: VOLATILES					Analyst	: NSB	
Benzene	ND	0.025	mg/Kg	1	7/26/2021 6:00:40 PM	61502	
Toluene	ND	0.050	mg/Kg	1	7/26/2021 6:00:40 PM	61502	
Ethylbenzene	ND	0.050	mg/Kg	1	7/26/2021 6:00:40 PM	61502	
Xylenes, Total	ND	0.10	mg/Kg	1	7/26/2021 6:00:40 PM	61502	
Surr: 4-Bromofluorobenzene	100	70-130	%Rec	1	7/26/2021 6:00:40 PM	61502	

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

Qualifiers:

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

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

Page 25 of 43

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2107A94

Date Reported: 7/30/2021

CLIENT: GHD Midland	Client Sample ID: TP13-2						
Project: Jackson B 55	Collection Date: 7/21/2021 11:05:00 AM						
Lab ID: 2107A94-026	Matrix: SOIL		Received Dat	e: 7/2	22/2021 7:30:00 AM		
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	: VP	
Chloride	ND	60	mg/Kg	20	7/27/2021 5:59:51 PM	61588	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB	
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	7/24/2021 12:31:43 PM	61521	
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	7/24/2021 12:31:43 PM	61521	
Surr: DNOP	120	70-130	%Rec	1	7/24/2021 12:31:43 PM	61521	
EPA METHOD 8015D: GASOLINE RANGE	i .				Analyst	: NSB	
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	7/26/2021 6:24:12 PM	61502	
Surr: BFB	100	70-130	%Rec	1	7/26/2021 6:24:12 PM	61502	
EPA METHOD 8021B: VOLATILES					Analyst	: NSB	
Benzene	ND	0.024	mg/Kg	1	7/26/2021 6:24:12 PM	61502	
Toluene	ND	0.047	mg/Kg	1	7/26/2021 6:24:12 PM	61502	
Ethylbenzene	ND	0.047	mg/Kg	1	7/26/2021 6:24:12 PM	61502	
Xylenes, Total	ND	0.095	mg/Kg	1	7/26/2021 6:24:12 PM	61502	
Surr: 4-Bromofluorobenzene	103	70-130	%Rec	1	7/26/2021 6:24:12 PM	61502	

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

Qualifiers:

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

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

Page 26 of 43

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2107A94

Date Reported: 7/30/2021

CLIENT: GHD Midland		Cl	ient Sample II	D: TF	P14-S			
Project: Jackson B 55	Collection Date: 7/21/2021 11:10:00 AM							
Lab ID: 2107A94-027	Matrix: SOIL	Received Date: 7/22/2021 7:30:00 AM						
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analyst	: VP		
Chloride	ND	61	mg/Kg	20	7/27/2021 6:12:15 PM	61588		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: SB		
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	7/24/2021 12:41:25 PN	61521		
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	7/24/2021 12:41:25 PM	61521		
Surr: DNOP	111	70-130	%Rec	1	7/24/2021 12:41:25 PM	61521		
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	: NSB		
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/26/2021 6:47:43 PM	61502		
Surr: BFB	98.8	70-130	%Rec	1	7/26/2021 6:47:43 PM	61502		
EPA METHOD 8021B: VOLATILES					Analyst	: NSB		
Benzene	ND	0.025	mg/Kg	1	7/26/2021 6:47:43 PM	61502		
Toluene	ND	0.049	mg/Kg	1	7/26/2021 6:47:43 PM	61502		
Ethylbenzene	ND	0.049	mg/Kg	1	7/26/2021 6:47:43 PM	61502		
Xylenes, Total	ND	0.099	mg/Kg	1	7/26/2021 6:47:43 PM	61502		
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	1	7/26/2021 6:47:43 PM	61502		

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

Qualifiers:

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

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

Reporting Limit

Page 27 of 43

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2107A94

Date Reported: 7/30/2021

CLIENT: GHD Midland	Client Sample ID: TP14-2						
Project: Jackson B 55		(Collect	ion Dat	e: 7/2	21/2021 11:15:00 AM	
Lab ID: 2107A94-028	Matrix: SOIL		Recei	ved Dat	e: 7/2	22/2021 7:30:00 AM	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	VP
Chloride	62	60		mg/Kg	20	7/27/2021 6:49:29 PM	61588
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/24/2021 12:51:08 PM	61521
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/24/2021 12:51:08 PM	61521
Surr: DNOP	136	70-130	S	%Rec	1	7/24/2021 12:51:08 PM	61521
EPA METHOD 8015D: GASOLINE RANGI	E					Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	7/26/2021 7:11:13 PM	61502
Surr: BFB	98.3	70-130		%Rec	1	7/26/2021 7:11:13 PM	61502
EPA METHOD 8021B: VOLATILES						Analyst	NSB
Benzene	ND	0.024		mg/Kg	1	7/26/2021 7:11:13 PM	61502
Toluene	ND	0.047		mg/Kg	1	7/26/2021 7:11:13 PM	61502
Ethylbenzene	ND	0.047		mg/Kg	1	7/26/2021 7:11:13 PM	61502
Xylenes, Total	ND	0.095		mg/Kg	1	7/26/2021 7:11:13 PM	61502
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	7/26/2021 7:11:13 PM	61502

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

Qualifiers:

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

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

Page 28 of 43

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2107A94

Date Reported: 7/30/2021

CLIENT: GHD Midland	Client Sample ID: TP15-S						
Project: Jackson B 55		(Collection Dat	e: 7/2	21/2021 11:20:00 AM		
Lab ID: 2107A94-029	Matrix: SOIL	Received Date: 7/22/2021 7:30:00 AM					
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	: VP	
Chloride	ND	60	mg/Kg	20	7/27/2021 7:01:54 PM	61588	
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst	SB	
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	7/24/2021 1:00:53 PM	61521	
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	7/24/2021 1:00:53 PM	61521	
Surr: DNOP	123	70-130	%Rec	1	7/24/2021 1:00:53 PM	61521	
EPA METHOD 8015D: GASOLINE RANG	E				Analyst	: NSB	
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/26/2021 7:34:41 PM	61502	
Surr: BFB	99.0	70-130	%Rec	1	7/26/2021 7:34:41 PM	61502	
EPA METHOD 8021B: VOLATILES					Analyst	: NSB	
Benzene	ND	0.024	mg/Kg	1	7/26/2021 7:34:41 PM	61502	
Toluene	ND	0.048	mg/Kg	1	7/26/2021 7:34:41 PM	61502	
Ethylbenzene	ND	0.048	mg/Kg	1	7/26/2021 7:34:41 PM	61502	
Xylenes, Total	ND	0.096	mg/Kg	1	7/26/2021 7:34:41 PM	61502	
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	1	7/26/2021 7:34:41 PM	61502	

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

Qualifiers:

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

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

Page 29 of 43

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2107A94

Date Reported: 7/30/2021

CLIENT: GHD Midland		Cl	ient Sa	ample II	D: TF	215-2	
Project: Jackson B 55		(Collect	ion Dat	e: 7/2	21/2021 11:25:00 AM	
Lab ID: 2107A94-030	Matrix: SOIL		Recei	ved Dat	e: 7/2	22/2021 7:30:00 AM	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	VP
Chloride	60	60		mg/Kg	20	7/27/2021 7:14:19 PM	61588
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst:	SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	7/24/2021 1:10:38 PM	61521
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/24/2021 1:10:38 PM	61521
Surr: DNOP	149	70-130	S	%Rec	1	7/24/2021 1:10:38 PM	61521
EPA METHOD 8015D: GASOLINE RANGE	E					Analyst:	NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/26/2021 7:58:13 PM	61502
Surr: BFB	98.6	70-130		%Rec	1	7/26/2021 7:58:13 PM	61502
EPA METHOD 8021B: VOLATILES						Analyst:	NSB
Benzene	ND	0.024		mg/Kg	1	7/26/2021 7:58:13 PM	61502
Toluene	ND	0.048		mg/Kg	1	7/26/2021 7:58:13 PM	61502
Ethylbenzene	ND	0.048		mg/Kg	1	7/26/2021 7:58:13 PM	61502
Xylenes, Total	ND	0.095		mg/Kg	1	7/26/2021 7:58:13 PM	61502
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	7/26/2021 7:58:13 PM	61502

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

Qualifiers:

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

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

Page 30 of 43

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2107A94

Date Reported: 7/30/2021

CLIENT: GHD Midland		Cl	ient Sample II	D: TH	P16-S	
Project: Jackson B 55		(Collection Dat	e: 7/2	21/2021 11:30:00 AM	
Lab ID: 2107A94-031	Matrix: SOIL		Received Dat	e: 7/2	22/2021 7:30:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	83	60	mg/Kg	20	7/27/2021 7:26:43 PM	61588
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	7/24/2021 1:20:22 PM	61521
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	7/24/2021 1:20:22 PM	61521
Surr: DNOP	114	70-130	%Rec	1	7/24/2021 1:20:22 PM	61521
EPA METHOD 8015D: GASOLINE RANG	E				Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/26/2021 8:21:40 PM	61502
Surr: BFB	97.6	70-130	%Rec	1	7/26/2021 8:21:40 PM	61502
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.024	mg/Kg	1	7/26/2021 8:21:40 PM	61502
Toluene	ND	0.048	mg/Kg	1	7/26/2021 8:21:40 PM	61502
Ethylbenzene	ND	0.048	mg/Kg	1	7/26/2021 8:21:40 PM	61502
Xylenes, Total	ND	0.097	mg/Kg	1	7/26/2021 8:21:40 PM	61502
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	1	7/26/2021 8:21:40 PM	61502

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

Qualifiers:

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

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

Page 31 of 43

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2107A94

Date Reported: 7/30/2021

CLIENT: GHD Midland Project: Jackson B 55			ient Sample II		P16-2 21/2021 11:35:00 AM	
Lab ID: 2107A94-032	Matrix: SOIL				22/2021 7:30:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	66	60	mg/Kg	20	7/27/2021 7:39:07 PM	61588
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	7/24/2021 1:30:08 PM	61521
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	7/24/2021 1:30:08 PM	61521
Surr: DNOP	111	70-130	%Rec	1	7/24/2021 1:30:08 PM	61521
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/26/2021 8:45:08 PM	61502
Surr: BFB	98.0	70-130	%Rec	1	7/26/2021 8:45:08 PM	61502
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	7/26/2021 8:45:08 PM	61502
Toluene	ND	0.049	mg/Kg	1	7/26/2021 8:45:08 PM	61502
Ethylbenzene	ND	0.049	mg/Kg	1	7/26/2021 8:45:08 PM	61502
Xylenes, Total	ND	0.097	mg/Kg	1	7/26/2021 8:45:08 PM	61502
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	1	7/26/2021 8:45:08 PM	61502

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

Qualifiers:

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

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

Page 32 of 43

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2107A94

Date Reported: 7/30/2021

CLIENT: GHD Midland		Cl	ient Sample II): TI	P17-S	
Project: Jackson B 55		(Collection Dat	e:7/2	21/2021 11:45:00 AM	
Lab ID: 2107A94-033	Matrix: SOIL		Received Dat	e: 7/2	22/2021 7:30:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	1300	60	mg/Kg	20	7/27/2021 7:51:32 PM	61588
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	7/24/2021 1:39:55 PM	61521
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	7/24/2021 1:39:55 PM	61521
Surr: DNOP	127	70-130	%Rec	1	7/24/2021 1:39:55 PM	61521
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	7/26/2021 9:08:32 PM	61502
Surr: BFB	97.6	70-130	%Rec	1	7/26/2021 9:08:32 PM	61502
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.023	mg/Kg	1	7/26/2021 9:08:32 PM	61502
Toluene	ND	0.047	mg/Kg	1	7/26/2021 9:08:32 PM	61502
Ethylbenzene	ND	0.047	mg/Kg	1	7/26/2021 9:08:32 PM	61502
Xylenes, Total	ND	0.093	mg/Kg	1	7/26/2021 9:08:32 PM	61502
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	1	7/26/2021 9:08:32 PM	61502

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

Qualifiers:

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

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

Page 33 of 43

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2107A94

Date Reported: 7/30/2021

CLIENT: GHD Midland		C	ient Sa	ample II): TP	17-2	
Project: Jackson B 55		(Collect	ion Dat	e: 7/2	21/2021 11:50:00 AM	
Lab ID: 2107A94-034	Matrix: SOIL		Recei	ved Dat	e: 7/2	2/2021 7:30:00 AM	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: VP
Chloride	330	60		mg/Kg	20	7/27/2021 8:03:56 PM	61588
EPA METHOD 8015M/D: DIESEL RANGE	E ORGANICS					Analyst	: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	7/24/2021 1:49:43 PM	61521
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/24/2021 1:49:43 PM	61521
Surr: DNOP	134	70-130	S	%Rec	1	7/24/2021 1:49:43 PM	61521
EPA METHOD 8015D: GASOLINE RANG	Ε					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/26/2021 9:31:57 PM	61502
Surr: BFB	97.4	70-130		%Rec	1	7/26/2021 9:31:57 PM	61502
EPA METHOD 8021B: VOLATILES						Analyst	: NSB
Benzene	ND	0.024		mg/Kg	1	7/26/2021 9:31:57 PM	61502
Toluene	ND	0.048		mg/Kg	1	7/26/2021 9:31:57 PM	61502
Ethylbenzene	ND	0.048		mg/Kg	1	7/26/2021 9:31:57 PM	61502
Xylenes, Total	ND	0.097		mg/Kg	1	7/26/2021 9:31:57 PM	61502
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	7/26/2021 9:31:57 PM	61502

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

Qualifiers:

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

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

Page 34 of 43

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2107A94

Date Reported: 7/30/2021

CLIENT: GHD Midland		Cl	ient Sa	ample II	D: TF	P18-S	
Project: Jackson B 55		(Collect	tion Dat	e: 7/2	21/2021 12:00:00 PM	
Lab ID: 2107A94-035	Matrix: SOIL		Recei	ved Dat	e: 7/2	22/2021 7:30:00 AM	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	VP
Chloride	ND	60		mg/Kg	20	7/27/2021 8:16:21 PM	61588
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst:	SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/24/2021 1:59:41 PM	61521
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/24/2021 1:59:41 PM	61521
Surr: DNOP	138	70-130	S	%Rec	1	7/24/2021 1:59:41 PM	61521
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/26/2021 10:42:24 PM	61502
Surr: BFB	98.9	70-130		%Rec	1	7/26/2021 10:42:24 PM	61502
EPA METHOD 8021B: VOLATILES						Analyst:	NSB
Benzene	ND	0.025		mg/Kg	1	7/26/2021 10:42:24 PM	61502
Toluene	ND	0.049		mg/Kg	1	7/26/2021 10:42:24 PM	61502
Ethylbenzene	ND	0.049		mg/Kg	1	7/26/2021 10:42:24 PM	61502
Xylenes, Total	ND	0.099		mg/Kg	1	7/26/2021 10:42:24 PM	61502
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	7/26/2021 10:42:24 PM	61502

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

Qualifiers:

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

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

Page 35 of 43

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2107A94

Date Reported: 7/30/2021

CLIENT: GHD Midland		Cl	ient Sa	ample II	D: TF	218-2	
Project: Jackson B 55		(Collect	ion Dat	e: 7/2	21/2021 12:05:00 PM	
Lab ID: 2107A94-036	Matrix: SOIL		Recei	ved Dat	e: 7/2	22/2021 7:30:00 AM	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	VP
Chloride	150	61		mg/Kg	20	7/27/2021 8:28:46 PM	61588
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	7/24/2021 2:09:38 PM	61521
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/24/2021 2:09:38 PM	61521
Surr: DNOP	139	70-130	S	%Rec	1	7/24/2021 2:09:38 PM	61521
EPA METHOD 8015D: GASOLINE RANGE						Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/26/2021 11:05:49 PM	61502
Surr: BFB	99.4	70-130		%Rec	1	7/26/2021 11:05:49 PM	61502
EPA METHOD 8021B: VOLATILES						Analyst	NSB
Benzene	ND	0.024		mg/Kg	1	7/26/2021 11:05:49 PM	61502
Toluene	ND	0.048		mg/Kg	1	7/26/2021 11:05:49 PM	61502
Ethylbenzene	ND	0.048		mg/Kg	1	7/26/2021 11:05:49 PM	61502
Xylenes, Total	ND	0.097		mg/Kg	1	7/26/2021 11:05:49 PM	61502
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	7/26/2021 11:05:49 PM	61502

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

Qualifiers:

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

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

Page 36 of 43

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

	GHD Mic	lland									
Project:	Jackson E	3 55									
Sample ID:	MB-61578	SampT	vpe: ME	BLK	Tesi	Code: EF	PA Method	300.0: Anions	;		
Client ID:		• •	ID: 61			unNo: 80					
Prep Date:	7/27/2021	Analysis Da	ate: 7/	27/2021	S	eqNo: 28	320505	Units: mg/K	9		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5					5			
Sample ID:	LCS-61578	SampT	ype: LC	S	Test	Code: EF	PA Method	300.0: Anions	;		
Client ID:	LCSS	Batch	ID: 61	578	R	unNo: 80	0089				
Prep Date:	7/27/2021	Analysis Da	ate: 7/	27/2021	S	eqNo: 28	320506	Units: mg/K	9		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		15	1.5	15.00	0	97.3	90	110			
Sample ID:	MB-61585	SampT	ype: ME	BLK	Test	Code: EF	PA Method	300.0: Anions	5		
Client ID:	PBS	Batch	ID: 61	585	R	unNo: 80	0089				
Prep Date:	7/27/2021	Analysis D	ate: 7/	27/2021	S	eqNo: 28	320535	Units: mg/K	9		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID:	LCS-61585	SampT	ype: LC	S	Test	Code: EF	PA Method	300.0: Anions	5		
Client ID:	LCSS	Batch	ID: 61	585	R	unNo: 80	0089				
Prep Date:	7/27/2021	Analysis Da	ate: 7/	27/2021	S	eqNo: 28	320536	Units: mg/K	9		
Prep Date: Analyte	7/27/2021	Analysis Da Result	ate: 7/ PQL		S SPK Ref Val		320536 LowLimit	Units: mg/K g HighLimit	9 %RPD	RPDLimit	Qual
•	7/27/2021	-						•	-	RPDLimit	Qual
Analyte		Result	PQL 1.5	SPK value 15.00	SPK Ref Val 0	%REC 95.3	LowLimit 90	HighLimit	%RPD	RPDLimit	Qual
Analyte Chloride	MB-61588	Result 14 SampTy	PQL 1.5	SPK value 15.00 BLK	SPK Ref Val 0 Test	%REC 95.3	LowLimit 90 PA Method	HighLimit 110	%RPD	RPDLimit	Qual
Analyte Chloride Sample ID:	MB-61588 PBS	Result 14 SampTy	PQL 1.5 ype: ME ID: 61	SPK value 15.00 BLK 588	SPK Ref Val 0 Test	%REC 95.3 Code: EF	LowLimit 90 PA Method 0085	HighLimit 110	%RPD	RPDLimit	Qual
Analyte Chloride Sample ID: Client ID:	MB-61588 PBS	Result 14 SampTy Batch	PQL 1.5 ype: ME ID: 61	SPK value 15.00 3LK 588 27/2021	SPK Ref Val 0 Test	%REC 95.3 Code: EF tunNo: 80 GeqNo: 28	LowLimit 90 PA Method 0085 321073	HighLimit 110 300.0: Anions	%RPD	RPDLimit	Qual
Analyte Chloride Sample ID: Client ID: Prep Date:	MB-61588 PBS	Result 14 SampTy Batch Analysis Da	PQL 1.5 ype: ME ID: 61 ate: 7 /	SPK value 15.00 3LK 588 27/2021	SPK Ref Val 0 Test R S	%REC 95.3 Code: EF tunNo: 80 GeqNo: 28	LowLimit 90 PA Method 0085 321073	HighLimit 110 300.0: Anions Units: mg/K	%RPD		
Analyte Chloride Sample ID: Client ID: Prep Date: Analyte Chloride	MB-61588 PBS	Result 14 SampTy Batch Analysis Da Result	PQL 1.5 ype: ME ID: 61 ate: 7/ PQL 1.5	SPK value 15.00 3LK 588 27/2021 SPK value	SPK Ref Val 0 Test R S SPK Ref Val	%REC 95.3 Code: EF CunNo: 80 GeqNo: 28 %REC	LowLimit 90 PA Method 0085 321073 LowLimit	HighLimit 110 300.0: Anions Units: mg/K	%RPD		
Analyte Chloride Sample ID: Client ID: Prep Date: Analyte Chloride	MB-61588 PBS 7/27/2021 LCS-61588	Result 14 SampTy Batch Analysis Da Result ND SampTy	PQL 1.5 ype: ME ID: 61 ate: 7/ PQL 1.5	SPK value 15.00 3LK 588 27/2021 SPK value S	SPK Ref Val 0 Test S SPK Ref Val Test	%REC 95.3 Code: EF CunNo: 80 GeqNo: 28 %REC	LowLimit 90 PA Method 0085 321073 LowLimit PA Method	HighLimit 110 300.0: Anions Units: mg/Kg HighLimit	%RPD		
Analyte Chloride Sample ID: Client ID: Prep Date: Analyte Chloride Sample ID:	MB-61588 PBS 7/27/2021 LCS-61588 LCSS	Result 14 SampTy Batch Analysis Da Result ND SampTy	PQL 1.5 ype: ME ID: 61 ate: 7/ PQL 1.5 ype: LC ID: 61	SPK value 15.00 3LK 588 27/2021 SPK value S 588	SPK Ref Val 0 Test R SPK Ref Val Test R	%REC 95.3 Code: EF unNo: 80 GeqNo: 28 %REC	LowLimit 90 PA Method 0085 321073 LowLimit PA Method 0085	HighLimit 110 300.0: Anions Units: mg/Kg HighLimit	%RPD		
Analyte Chloride Sample ID: Client ID: Prep Date: Analyte Chloride Sample ID: Client ID:	MB-61588 PBS 7/27/2021 LCS-61588 LCSS	Result 14 SampTy Batch Analysis Da Result ND SampTy Batch	PQL 1.5 ype: ME ID: 61 ate: 7/ PQL 1.5 ype: LC ID: 61	SPK value 15.00 3LK 588 27/2021 SPK value S 588 27/2021	SPK Ref Val 0 Test R SPK Ref Val Test R	%REC 95.3 Code: EF CunNo: 80 GeqNo: 28 %REC	LowLimit 90 PA Method 0085 321073 LowLimit PA Method 0085	HighLimit 110 300.0: Anions Units: mg/Kg HighLimit 300.0: Anions	%RPD		

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation 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 37 of 43

2107A94

30-Jul-21

WO#:

QC SUMMARY REPORT Hall E

	WO#:	2107A94
Environmental Analysis Laboratory, Inc.		30-Jul-21

Client: GHD Mi Project: Jackson										
Sample ID: MB-61521	SampTy	ype: ME	BLK	Tes	tCode: EF	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: PBS	Batch	ID: 61	521	F	RunNo: 8	0054				
Prep Date: 7/23/2021	Analysis Da	ate: 7/	24/2021	5	SeqNo: 28	817111	Units: mg/k	٢g		
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	15		10.00		149	70	130			S
Sample ID: LCS-61521	SampTy	ype: LC	S	Tes	tCode: EF	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: LCSS	Batch	ID: 61	521	F	RunNo: 8	0054				
Prep Date: 7/23/2021	Analysis Da	ate: 7/	24/2021	S	SeqNo: 2	817113	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	64	10	50.00	0	129	68.9	141			
Surr: DNOP	6.2		5.000		124	70	130			
Sample ID: 2107A94-019AMS	SampTy	ype: MS	;	Tes	tCode: EF	PA Method	8015M/D: Di	esel Range	e Organics	
Client ID: TP10-S	Batch	ID: 61	521	F	RunNo: 8	0054				
Prep Date: 7/23/2021	Analysis Da	ate: 7/	24/2021	5	SeqNo: 28	817115	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52	9.8	49.21	0	106	15	184			
Surr: DNOP	4.7		4.921		96.2	70	130			
Sample ID: 2107A94-019AMS	D SampTy	ype: MS	SD.	Tes	tCode: EF	PA Method	8015M/D: Di	esel Range	e Organics	
Client ID: TP10-S	Batch	ID: 61	521	F	RunNo: 8	0054				
Prep Date: 7/23/2021	Analysis Da	ate: 7/	24/2021	S	SeqNo: 28	817117	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	9.9	49.60	0	104	15	184	1.69	23.9	
Surr: DNOP	4.9		4.960		99.6	70	130	0	0	
Sample ID: MB-61519	SampTy	ype: ME	BLK	Tes	tCode: EF	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: PBS	Batch	ID: 61	519	F	RunNo: 8	0063				
Prep Date: 7/23/2021	Analysis Da	ate: 7/	24/2021	S	SeqNo: 28	817775	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
	ND	10								
Diesel Range Organics (DRO)	ND	10								
Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP	ND ND 10	50	10.00		104	70	130			

Qualifiers:

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

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

Client: Project:	GHD Mie Jackson I										
Sample ID: LCS-6	1519	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS		Batch	1D: 61	519	F	unNo: 8	0063				
Prep Date: 7/23/	2021	Analysis D	ate: 7/	24/2021	S	eqNo: 2	817777	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics	(DRO)	53	10	50.00	0	105	68.9	141			
Surr: DNOP		5.3		5.000		105	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- 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 39 of 43

WO#: 2107A94 30-Jul-21 GHD Midland

Client:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#:	2107A94
	30-Jul-21

Project:	Jackson E	3 55											
Sample ID:	mb-61501	TestCode: EPA Method 8015D: Gasoline Range											
Client ID:	PBS	Batch ID: 61501			R	RunNo: 80051							
Prep Date:	7/22/2021	Analysis Date: 7/24/2021			SeqNo: 2816733			Units: mg/Kg					
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Gasoline Rang Surr: BFB	e Organics (GRO)	ND 930	5.0	1000		93.0	70	130					
Sample ID:	lcs-61501	SampT	ype: LC	s	Test	tCode: EF	PA Method	8015D: Gasc	line Rang	e			
Client ID:	LCSS	Batch ID: 61501			RunNo: 80051								
Prep Date:	7/22/2021	Analysis Date: 7/23/2021			SeqNo: 2816734			Units: mg/Kg					
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
	e Organics (GRO)	23	5.0	25.00	0	93.7	78.6	131					
Surr: BFB		1000		1000		99.8	70	130					
Sample ID:	mb-61502	SampT	ype: ME	BLK	Tes	TestCode: EPA Method 8015D: Gasoline Range							
Client ID:	PBS	Batch ID: 61502			R	RunNo: 8(0082						
Prep Date:	7/22/2021	Analysis Date: 7/26/2021			SeqNo: 2818594			Units: mg/Kg					
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
	e Organics (GRO)	ND	5.0										
Surr: BFB		910		1000		91.3	70	130					
Sample ID:	LCS-61502	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range								
Client ID:	LCSS	Batch ID: 61502			R	RunNo: 8(0082						
Prep Date:	7/22/2021	Analysis Date: 7/26/2021			SeqNo: 2818595			Units: mg/Kg					
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
-	e Organics (GRO)	25	5.0	25.00	0	102	78.6	131					
Surr: BFB		1100		1000		105	70	130					
Sample ID:	2107a94-019ams SampType: MS				TestCode: EPA Method 8015D: Gasoline Range								
Client ID:	TP10-S	Batch ID: 61502			RunNo: 80082								
Prep Date:	7/22/2021	Analysis D	ate: 7/	26/2021	S	SeqNo: 28	818597	Units: mg/k	٢g				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
•	e Organics (GRO)	24	4.8	24.13	0	98.9	61.3	114					
Surr: BFB		1000		965.3		106	70	130					
Sample ID:	2107a94-019amsd	sd SampType: MSD			TestCode: EPA Method 8015D: Gasoline Range								
Client ID:	TP10-S	Batch ID: 61502			RunNo: 80082								
Chefit ID.		Analysis Date: 7/26/2021			SeqNo: 2818598			Units: mg/Kg					
Prep Date:	7/22/2021	Analysis D	ate: 7/	26/2021	S	SeqNo: 28	818598	Units: mg/k	(g				

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation 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 40 of 43

	WO#:	2107A94
Hall Environmental Analysis Laboratory, Inc.		30-Jul-21

Client:	GHD Mid	GHD Midland										
Project:	Jackson E	55										
Sample ID: 2107a94-019amsd SampType: MSD TestCode: EPA Method 8015D: Gasoline Range												
Client ID:	IP10-S Batch ID: 61502				RunNo: 80082							
Prep Date:	7/22/2021	Analysis Date: 7/26/2021			S	SeqNo: 2	818598	Units: mg/Kg				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range	e Organics (GRO)	24	4.9	24.37	0	97.2	61.3	114	0.744	20		
Surr: BFB		1000		974.7		106	70	130	0	0		

Qualifiers:

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

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

Page 41 of 43

GHD Midland

Jackson B 55

Client:

Project:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc

	WO#:	2107A94
ory, Inc.		30-Jul-21

Sample ID: mb-61501	SampType: N	IBLK	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: PBS	Batch ID: 6	1501	F	RunNo: 8	0051				
Prep Date: 7/22/2021	Analysis Date:	7/24/2021	S	SeqNo: 2	816787	Units: mg/K	ζg		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND 0.025	5							
Toluene	ND 0.050)							
Ethylbenzene	ND 0.050)							
Xylenes, Total	ND 0.10)							
Surr: 4-Bromofluorobenzene	0.96	1.000		96.1	70	130			
Sample ID: LCS-61501	SampType: L	cs	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: LCSS	Batch ID: 6	1501	F	RunNo: 8	0051				
Prep Date: 7/22/2021	Analysis Date:	7/23/2021	S	SeqNo: 2	816789	Units: mg/K	٢g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95 0.025	5 1.000	0	95.2	80	120			
Toluene	0.97 0.050	1.000	0	96.8	80	120			
Ethylbenzene	0.96 0.050	1.000	0	95.9	80	120			
Xylenes, Total	2.9 0.10	3.000	0	97.0	80	120			
Surr: 4-Bromofluorobenzene	0.97	1.000		97.1	70	130			
Sample ID: mb-61502	SampType: N	IBLK	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: PBS	Batch ID: 6	1502	F	RunNo: 8	0082				
Prep Date: 7/22/2021	Analysis Date:	7/26/2021	S	SeqNo: 2	818643	Units: mg/K	٤g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND 0.02	5							
Toluene	ND 0.050)							
Ethylbenzene	ND 0.050)							
Xylenes, Total	ND 0.10)							
Surr: 4-Bromofluorobenzene	0.93	1.000		92.9	70	130			
Sample ID: LCS-61502	SampType: L	cs	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: LCSS	Batch ID: 6	1502	F	RunNo: 8	0082				

	Campi)po. _	•	100			0021B. 1014			
Client ID: LCSS	Batcl	n ID: 61	502	F	RunNo: 8	0082				
Prep Date: 7/22/2021	Analysis D	Date: 7/	26/2021	S	SeqNo: 2	818644	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.025	1.000	0	91.8	80	120			
Toluene	0.93	0.050	1.000	0	93.4	80	120			
Ethylbenzene	0.93	0.050	1.000	0	93.2	80	120			
Xylenes, Total	2.8	0.10	3.000	0	93.6	80	120			
Surr: 4-Bromofluorobenzene	0.97		1.000		97.2	70	130			

Qualifiers:

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

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

GHD Midland

Jackson B 55

Client:

Project:

Xylenes, Total

Surr: 4-Bromofluorobenzene

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

2.7

1.0

0.098

2.947

0.9823

Sample ID: 2107a94-020ams	SampT	Гуре: М	6	Test	tCode: El	PA Method	8021B: Vola	tiles	
Client ID: TP10-2	Batch	h ID: 61	502	R	unNo: 8	0082			
Prep Date: 7/22/2021	Analysis D	Date: 7/	26/2021	S	eqNo: 2	818647	Units: mg/ł	۲g	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit
Benzene	0.89	0.025	0.9930	0	89.8	80	120		
Toluene	0.91	0.050	0.9930	0	92.1	80	120		
Ethylbenzene	0.92	0.050	0.9930	0	92.6	80	120		
Xylenes, Total	2.8	0.099	2.979	0	92.9	80	120		
Surr: 4-Bromofluorobenzene	1.0		0.9930		103	70	130		
Sample ID: 2107a94-020amsd	SampT	Гуре: М	SD	Test	tCode: El	PA Method	8021B: Vola	tiles	
Client ID: TP10-2	Batch	h ID: 61	502	R	unNo: 8	0082			
Prep Date: 7/22/2021	Analysis D	Date: 7/	26/2021	S	eqNo: 2	818648	Units: mg/ł	۲g	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit
Benzene	0.88	0.025	0.9823	0	89.7	80	120	1.23	20
Toluene	0.90	0.049	0.9823	0	91.7	80	120	1.53	20
Ethylbenzene	0.90	0.049	0.9823	0	92.0	80	120	1.80	20

0

92.9

103

80

70

120

130

1.11

0

Qualifiers:

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

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

Page 43 of 43

WO#: 2107A94

Qual

Qual

20

0

30-Jul-21

ANAL	RONMENT		77	ill Environme EL: 505-345-, Vebsite: clien	49 Albuquer 3975 FAX	01 Haw que, NA : 505-3-	kins NE 1 87109 45-4107	Sa	mple Log-In Check	Page 75 o
Client Name:	GHD Midla	ind	Worl	Gorder Num	nber: 210	7A94			RcptNo: 1	
Received By:	Juan Roji	as	7/22/20	021 7:30:00	AM		ifu	un En G		
Completed By:	Isaiah Or	tiz	7/22/20	021 8:15:53	AM		5	unda G	246	
Reviewed By:	JR 7	12/21								
Chain of Cus	stody									
1. Is Chain of C	ustody comp	lete?			Yes		N	0	Not Present	
2. How was the	sample deliv	vered?			Cou	<u>irier</u>				
Log In										
3. Was an atter	npt made to d	cool the samp	oles?		Yes		N	o 🗌		
4. Were all sam	ples received	l at a tempera	ature of >0° C	to 6.0°C	Yes	~	N	o 🗆		
5. Sample(s) in	proper conta	iner(s)?			Yes	V	N	•		
6. Sufficient san	ple volume f	or indicated t	est(s)?		Yes	V	N	b		
7. Are samples	except VOA	and ONG) pr	operly preserv	ed?	Yes	~	No			
8. Was preserva	tive added to	bottles?			Yes		No		NA 🗌	
9. Received at le	ast 1 vial wit	h headspace	<1/4" for AQ \	/OA?	Yes		No		NA 🗹	
10. Were any sar	nple containe	ers received b	oroken?		Yes		N			
									# of preserved bottles checked	/
11. Does paperwo (Note discreps			<i>X</i>		Yes	~	No)	for pH:	
12. Are matrices					Yes	~	Nic		(<2 or >12 unless Adjusted?	noted)
13. Is it clear wha					Yes		No		/	
14. Were all holdi (If no, notify c	ng times able	to be met?			Yes		No	-	Checked by: SPA	7.22
Special Handl									<	
15. Was client no			with this order	2	Yes		N		NA 🗹	
	Notified:			100	_					
By Who				Date Via:	⊡ eM	ail 🗔	Phone [Eav	In Person	
Regard				vid.			Fione	Fax	In Person	
	structions:							_		
16. Additional re	marks:									
17. Cooler Infor	mation									
Cooler No		Condition	Seal Intact	Seal No	Seal D	ate	Signed	Ву		
1	5.5	Good	Not Present			1		1		
2	1.4	Good	Not Present							

Page 1 of 1

	Chain-or-Custody Record		2	Con	-			FIAL I		12-	ALD	FNVTRONMENTAL	NTAL
Client: GHD		好 Standard	C Rush		<u>عا</u> لا					LU.	1	ARORATOR	VOOL
		Project Name:					•		alled	- include	0	, mos	
Mailing Address:		Jackson	ф Ф	22		4901	4901 Hawkins NE	ins N		Ibuar	erdue	Albuquerque, NM 87109	
324 W. Main St.	324 W. Main St. Suite 108, Artesia NM 88210	Project #:		1 5	1	Tel.	505-345-3975	45-39		Fax	505-3	505-345-4107	
Phone #:	(505)377-4218		12230	60					Ana	Analysis		st	
email or Fax#:	Becky.Haskell@ghd.com	Project Manager:	ger:		()	(0	_			10		-	-
QA/QC Package:		Becky Haskell	_		208		S.F	SV	5	0 14			
□ Standard	Level 4 (Full Validation)	Tom Larson			8) s'	1-12-	ЬСЕ	VISC	Ud	0.1			
Accreditation:	Az Compliance	Sampler:	Vanta Comitato	Hear Bayd	am. I		_		-0	17.00		-	
D NELAC	Other	On Ice:	X Yes	O No					_			-	
□ EDD (Type)		# of Coolers:	0		38.				_		_	_	
		Cooler Temp(induding CF):	(including CF): S	60.12555	LW		<u> </u>	_	_		1.1		
Date Time	Matrix Sample Name	Container Type and #	Preservative Type	HEAL No.	X X T X	08:H9T	EDB (M	(d sHA9	8 ARD 8 CI, F, B	3560 (V	S) 0728	Total Co	
1/21/21 750	5 TP1-5	Hortar 1	N/A		1	-	-		-			-	
1 800	TP1- Z			- 002	K	لا			-			×	
1 210	TR2-5			, m3	X	x ا			-			У.	
815	TP2- 2			h00 '	X	×			-			×	
8 20	1 TP3-5			500 ·	R	X			-			X	
830	TP3-4			900	x	ير ا			-			X	
835	TP4-5			- m7	Q	X						×	
240	784-2			~ ÔÔ8	2	x			-	_		×	
350	TP5- 5			PO0 -	8	X			-			R	
852	TP5 - 2			- 010	X	x			-			X	
016	776 - 5			110 -	x	X						×	
* 915	× 776-2			210 _	X	x			-			X	
Date: Time: $7/z_1/z_1$ 16.00	Relinquished by:	Received by:	Via:	Date Time		Remarks: Please email: Chase Tom.Larson@ghd.com; Zach.C	ks: Ple irson@	ase (mail:	Chas Zach.	e_Settl	Remarks: Please email: Chase_Settle@eogresources.com; Tom.Larson@ghd.com; Zach.Comino@ghd.com: Along with	urces.com; Along with
Date: Time:	Relinquished by:	Received by:	Via:	7	1			Direc	cky H	askel	Becky Haskell listed above.	Becky Haskell listed above. Direct Bill to FOG Chase Settle	
21/21/19/00	arun	12	rounder	7/20/21 7:30	0)	5		

		-10-I	VIIAIII-VI-VUSIOUS INCOUL				L			HALL		2			ENVTRONMENTAL
Client	GHD			☑ Standard	C Rush				-	N	ALV.	ST	5	ABOR	ANALYSTS LABORATORY
				Project Name:	((MVM/M	halle	- Juiror	ment	www.hallenvironmental.com	
Mailing	Mailing Address:	.::		Jackson	5 th th th	ſ	-	4901	4901 Hawkins NE -	N sui		Ibudi	lerau	Albuqueraue. NM 87109	
324 W	. Main St	t. Suite 108	324 W. Main St. Suite 108, Artesia NM 88210	Project #:			_	Tel.	505-345-3975	45-39		Fax	505-	505-345-4107	
Phone #:	#:	(505)377-4218	-4218	11	172360	2-					Ané	Analysis	Request	iest	
email c	email or Fax#:		Becky.Haskell@ghd.com	Project Manage	jer:		()	(0				to		-	
QAVQC	QA/QC Package:	1.10		Becky Haskell			205			SM	5	0 12			
□ Standard	ndard		Level 4 (Full Validation)	Tom Larson			3) s,	Patients.	0.1	VISC	Ja	0.1			
Accreo	Accreditation:	D Az Col	Az Compliance	Sampler: 6	Cach Continuo	Hearth Boyd	am'		_		0	105'		-	
D NELAC	AC	□ Other			X Yes	O No	L /		_			NI 19	(AC		
	EDD (Type)			# of Coolers:	2		38.		-						
				Cooler Temp(including CF):	ncluding CF); 5	-6-01=55	LM	1000		1	-	_		_	
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL NO.	/ XƏT8	PH:801	EDB (W	(d sHA	8 AADS	31' E' B	S) 0728	otal Co	
rafrefic	920	5	TP7- S		n/4		1	-	-	1	-	-			
_	526	_	7-7-2	1	~	PIR	×	X			-	-		x	
	935	-	TP8- S			015	×	X			-	-		×	
	940		778-2			910	x	3			-			۶	
	950		TP9-5			017	2	X			-	-		x	
	955		7-947			018	2	X						x	
	1020		TPIO-S			510	2	X				-		×	
	1025		7-019T		/	020	×	×						X	
	0201		TP11 - 5			021	L	x			-			*	
	1040		7711-2			072	イ	k						k	
_	1050		TP 12-5			520	۲. ۲	+					-	×	
X	loss	2	7-2124	×	- 2	420	r	X						x	
Date: $7/z_1/z_1$	Time: 1600	Relinquished by:	hed by:	Received by:	Via:	Date Time	КЧ	Remarks: Please email: Chase Tom.Larson@ghd.com; Zach.Co Bodo: Hodol 1	ks: Ple rson@	pghd.	email: com;	Chas Zach.	e_Se Comi	tle@eogres o@ghd.con	Remarks: Please email: Chase_Settle@eogresources.com; Tom.Larson@ghd.com; Zach.Comino@ghd.com: Along with
Date:	Time:	Relinquished by:	ed by:	Received by:	Via:	Date Time	_			Dire	ct Bill	to EC	DG Ch	Direct Bill to EOG Chase Settle	
VC V2	1900	PAPA A		1st	7 regenere	0236 W/22/2 1	_								

1.0	Citalit-or-Custody Record	I urn-Around Time:		5 Day			-	LINU.		DAN P		Concerned of the second	
Client: GHD		図 Standard	□ Rush					ANAL ENVI	4 ×		¥ -	CTC I ADOD ATON	I AL
		Project Name:					6				1	ADORATOR	ORI
Mailing Address:	20	Jackson	د الح #	IJ		1001	4901 Hawkins NE	www.nallenvironmental.com	alle	/Ironn	nental	.COM	
324 W. Main St	324 W. Main St. Suite 108, Artesia NM 88210	Project #:			_	Tel	Tel 505-345-3975	5-397		Eav F	anhu:	Fav 505-345-4107	
Phone #:	(505)377-4218	1122	3609						Anal	Analysis Request	Segue	st	
email or Fax#:	Becky. Haskell@ghd.com	Project Manager:	ager:		((0		-	*(<u>(1</u>	
QA/QC Package:	1. 1	Becky Haskell			120			SI	os "			_	
□ Standard	Level 4 (Full Validation)	Tom Larson			8) s'			NIS	PO4		10/1	00 5	
Accreditation:	Az Compliance	Sampler:	Zach Comino		BM.			3270	^{'2} O			-	
D NELAC	Other	On Ice:	X Yes	O No	L /			-	_				
□ EDD (Type)		# of Coolers:	2		38		_	-	-		_	ph h	
		Cooler Temp(induding CF):	(including CF): 5	5-5-10-0	ΤM		_			(AC	_	1	
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12	ST.	WANA	M	7/24/24 Nom	P L	m.Lar	son@	hd.co	m; Za	ch.Co	onimo	Tom.Larson@ghd.com; Zach.Comino@ghd.com: Along with	ong with
	Relinquished by:	Received by:	Vja:	Date Time				Direct Bill to EOC	y Has		Sted a	Becky Haskell listed above.	
24/24 1900	aller	1	19a Culum . 22/ 1000/20 7/2/2	08; E valaz / E					2	22	0100	anac a	



November 11, 2021

Becky Haskell GHD Midland 2135 S Loop 250 W Midland, TX 79703 TEL: (432) 686-0086 FAX: Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

OrderNo.: 2111126

Dear Becky Haskell:

RE: Jackson B 55

Hall Environmental Analysis Laboratory received 32 sample(s) on 11/3/2021 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

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2111126

Date Reported: 11/11/2021

CLIENT: GHD Midland			ient Sample II			
Project: Jackson B 55			Collection Dat	e: 11,	/1/2021 2:00:00 PM	
Lab ID: 2111126-001	Matrix: SOIL		Received Dat	e: 11,	/3/2021 7:35:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	ЈМТ
Chloride	410	60	mg/Kg	20	11/3/2021 10:35:02 PM	63750
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst:	SB
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	11/4/2021 10:35:13 AM	63743
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	11/4/2021 10:35:13 AM	63743
Surr: DNOP	74.2	70-130	%Rec	1	11/4/2021 10:35:13 AM	63743
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst:	mb
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	11/4/2021 4:10:00 PM	63721
Surr: BFB	99.4	70-130	%Rec	1	11/4/2021 4:10:00 PM	63721
EPA METHOD 8021B: VOLATILES					Analyst:	mb
Benzene	ND	0.024	mg/Kg	1	11/4/2021 4:10:00 PM	63721
Toluene	ND	0.047	mg/Kg	1	11/4/2021 4:10:00 PM	63721
Ethylbenzene	ND	0.047	mg/Kg	1	11/4/2021 4:10:00 PM	63721
Xylenes, Total	ND	0.094	mg/Kg	1	11/4/2021 4:10:00 PM	63721
Surr: 4-Bromofluorobenzene	105	70-130	%Rec	1	11/4/2021 4:10:00 PM	63721

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

Qualifiers:

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

Page 1 of 42

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2111126

Date Reported: 11/11/2021

CLIENT: GHD Midland			ient Sample II			
Project: Jackson B 55			Collection Dat	e: 11,	/1/2021 2:05:00 PM	
Lab ID: 2111126-002	Matrix: SOIL		Received Dat	e: 11/	/3/2021 7:35:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed Bat	itch
EPA METHOD 300.0: ANIONS					Analyst: JM	Т
Chloride	280	60	mg/Kg	20	11/3/2021 10:47:27 PM 637	750
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: SB	3
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	11/4/2021 10:59:22 AM 637	743
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	11/4/2021 10:59:22 AM 637	743
Surr: DNOP	123	70-130	%Rec	1	11/4/2021 10:59:22 AM 637	743
EPA METHOD 8015D: GASOLINE RANGE					Analyst: mb	c
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	11/4/2021 4:29:00 PM 637	721
Surr: BFB	95.9	70-130	%Rec	1	11/4/2021 4:29:00 PM 637	721
EPA METHOD 8021B: VOLATILES					Analyst: mb	c
Benzene	ND	0.025	mg/Kg	1	11/4/2021 4:29:00 PM 637	721
Toluene	ND	0.050	mg/Kg	1	11/4/2021 4:29:00 PM 637	721
Ethylbenzene	ND	0.050	mg/Kg	1	11/4/2021 4:29:00 PM 637	721
Xylenes, Total	ND	0.099	mg/Kg	1	11/4/2021 4:29:00 PM 637	721
Surr: 4-Bromofluorobenzene	103	70-130	%Rec	1	11/4/2021 4:29:00 PM 637	721

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range RL Reporting Limit
- Page 2 of 42

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2111126

Date Reported: 11/11/2021

CLIENT: GHD Midland Project: Jackson B 55			ient Sample II Collection Dat		I-3 /1/2021 2:10:00 PM	
Lab ID: 2111126-003	Matrix: SOIL				/3/2021 7:35:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	CAS
Chloride	470	59	mg/Kg	20	11/4/2021 10:16:46 AM	63762
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst:	SB
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	11/4/2021 11:23:40 AM	63743
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	11/4/2021 11:23:40 AM	63743
Surr: DNOP	100	70-130	%Rec	1	11/4/2021 11:23:40 AM	63743
EPA METHOD 8015D: GASOLINE RANGE	<u> </u>				Analyst:	mb
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	11/4/2021 4:49:00 PM	63721
Surr: BFB	94.6	70-130	%Rec	1	11/4/2021 4:49:00 PM	63721
EPA METHOD 8021B: VOLATILES					Analyst:	mb
Benzene	ND	0.025	mg/Kg	1	11/4/2021 4:49:00 PM	63721
Toluene	ND	0.050	mg/Kg	1	11/4/2021 4:49:00 PM	63721
Ethylbenzene	ND	0.050	mg/Kg	1	11/4/2021 4:49:00 PM	63721
Xylenes, Total	ND	0.099	mg/Kg	1	11/4/2021 4:49:00 PM	63721
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	1	11/4/2021 4:49:00 PM	63721

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

Qualifiers:

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

Page 3 of 42

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2111126

Date Reported: 11/11/2021

CLIENT: GHD Midland Project: Jackson B 55			ient Sample II Collection Dat		I-4 /1/2021 2:15:00 PM	
Lab ID: 2111126-004	Matrix: SOIL				/3/2021 7:35:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	74	60	mg/Kg	20	11/4/2021 10:53:59 AM	63762
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst:	SB
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	11/4/2021 11:47:50 AM	63743
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	11/4/2021 11:47:50 AM	63743
Surr: DNOP	78.2	70-130	%Rec	1	11/4/2021 11:47:50 AM	63743
EPA METHOD 8015D: GASOLINE RANGE					Analyst	mb
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	11/4/2021 6:46:00 PM	63726
Surr: BFB	105	70-130	%Rec	1	11/4/2021 6:46:00 PM	63726
EPA METHOD 8021B: VOLATILES					Analyst	mb
Benzene	ND	0.024	mg/Kg	1	11/4/2021 6:46:00 PM	63726
Toluene	ND	0.048	mg/Kg	1	11/4/2021 6:46:00 PM	63726
Ethylbenzene	ND	0.048	mg/Kg	1	11/4/2021 6:46:00 PM	63726
Xylenes, Total	ND	0.097	mg/Kg	1	11/4/2021 6:46:00 PM	63726
Surr: 4-Bromofluorobenzene	110	70-130	%Rec	1	11/4/2021 6:46:00 PM	63726

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

Qualifiers:

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

Page 4 of 42

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2111126

Date Reported: 11/11/2021

CLIENT: GHD Midland	Client Sample ID: BH-5						
Project: Jackson B 55	Collection Date: 11/1/2021 2:20:00 PM						
Lab ID: 2111126-005	Matrix: SOIL		Received Dat	e: 11/	/3/2021 7:35:00 AM		
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	CAS	
Chloride	80	60	mg/Kg	20	11/4/2021 11:06:23 AM	63762	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB	
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	11/4/2021 12:11:50 PM	63743	
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	11/4/2021 12:11:50 PM	63743	
Surr: DNOP	119	70-130	%Rec	1	11/4/2021 12:11:50 PM	63743	
EPA METHOD 8015D: GASOLINE RANGE					Analyst	mb	
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	11/4/2021 7:45:00 PM	63726	
Surr: BFB	95.1	70-130	%Rec	1	11/4/2021 7:45:00 PM	63726	
EPA METHOD 8021B: VOLATILES					Analyst	mb	
Benzene	ND	0.025	mg/Kg	1	11/4/2021 7:45:00 PM	63726	
Toluene	ND	0.050	mg/Kg	1	11/4/2021 7:45:00 PM	63726	
Ethylbenzene	ND	0.050	mg/Kg	1	11/4/2021 7:45:00 PM	63726	
Xylenes, Total	ND	0.10	mg/Kg	1	11/4/2021 7:45:00 PM	63726	
Surr: 4-Bromofluorobenzene	97.6	70-130	%Rec	1	11/4/2021 7:45:00 PM	63726	

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

Qualifiers:

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

Page 5 of 42

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2111126

Date Reported: 11/11/2021

CLIENT: GHD Midland	Client Sample ID: BH-6 Collection Date: 11/1/2021 2:25:00 PM						
Project: Jackson B 55							
Lab ID: 2111126-006	Matrix: SOIL		Received Dat	e: 11,	/3/2021 7:35:00 AM		
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	CAS	
Chloride	ND	60	mg/Kg	20	11/4/2021 11:43:37 AM	63762	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB	
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	11/4/2021 12:35:56 PM	63743	
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	11/4/2021 12:35:56 PM	63743	
Surr: DNOP	116	70-130	%Rec	1	11/4/2021 12:35:56 PM	63743	
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	mb	
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	11/4/2021 8:44:00 PM	63726	
Surr: BFB	90.3	70-130	%Rec	1	11/4/2021 8:44:00 PM	63726	
EPA METHOD 8021B: VOLATILES					Analyst	mb	
Benzene	ND	0.024	mg/Kg	1	11/4/2021 8:44:00 PM	63726	
Toluene	ND	0.049	mg/Kg	1	11/4/2021 8:44:00 PM	63726	
Ethylbenzene	ND	0.049	mg/Kg	1	11/4/2021 8:44:00 PM	63726	
Xylenes, Total	ND	0.098	mg/Kg	1	11/4/2021 8:44:00 PM	63726	
Surr: 4-Bromofluorobenzene	98.0	70-130	%Rec	1	11/4/2021 8:44:00 PM	63726	

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

Qualifiers:

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

Page 6 of 42

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2111126

Date Reported: 11/11/2021

CLIENT: GHD Midland	Client Sample ID: BH-7							
Project: Jackson B 55	Collection Date: 11/1/2021 2:30:00 PM							
Lab ID: 2111126-007	Matrix: SOIL		Received Dat	e: 11,	/3/2021 7:35:00 AM			
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analyst	CAS		
Chloride	99	60	mg/Kg	20	11/4/2021 12:20:52 PM	63762		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB		
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	11/4/2021 1:00:00 PM	63743		
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	11/4/2021 1:00:00 PM	63743		
Surr: DNOP	120	70-130	%Rec	1	11/4/2021 1:00:00 PM	63743		
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: mb		
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	11/4/2021 9:04:00 PM	63726		
Surr: BFB	96.3	70-130	%Rec	1	11/4/2021 9:04:00 PM	63726		
EPA METHOD 8021B: VOLATILES					Analyst	mb		
Benzene	ND	0.023	mg/Kg	1	11/4/2021 9:04:00 PM	63726		
Toluene	ND	0.047	mg/Kg	1	11/4/2021 9:04:00 PM	63726		
Ethylbenzene	ND	0.047	mg/Kg	1	11/4/2021 9:04:00 PM	63726		
Xylenes, Total	ND	0.094	mg/Kg	1	11/4/2021 9:04:00 PM	63726		
Surr: 4-Bromofluorobenzene	100	70-130	%Rec	1	11/4/2021 9:04:00 PM	63726		

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

Qualifiers:

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

Page 7 of 42

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2111126

Date Reported: 11/11/2021

CLIENT: GHD Midland	Client Sample ID: BH-8 Collection Date: 11/1/2021 2:35:00 PM							
Project: Jackson B 55								
Lab ID: 2111126-008	Matrix: SOIL		Received Dat	e: 11	/3/2021 7:35:00 AM			
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analyst	CAS		
Chloride	220	60	mg/Kg	20	11/4/2021 12:33:17 PM	63762		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB		
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	11/4/2021 1:24:09 PM	63743		
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	11/4/2021 1:24:09 PM	63743		
Surr: DNOP	110	70-130	%Rec	1	11/4/2021 1:24:09 PM	63743		
EPA METHOD 8015D: GASOLINE RANGE					Analyst	mb		
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	11/4/2021 9:23:00 PM	63726		
Surr: BFB	98.4	70-130	%Rec	1	11/4/2021 9:23:00 PM	63726		
EPA METHOD 8021B: VOLATILES					Analyst	mb		
Benzene	ND	0.024	mg/Kg	1	11/4/2021 9:23:00 PM	63726		
Toluene	ND	0.049	mg/Kg	1	11/4/2021 9:23:00 PM	63726		
Ethylbenzene	ND	0.049	mg/Kg	1	11/4/2021 9:23:00 PM	63726		
Xylenes, Total	ND	0.097	mg/Kg	1	11/4/2021 9:23:00 PM	63726		
Surr: 4-Bromofluorobenzene	103	70-130	%Rec	1	11/4/2021 9:23:00 PM	63726		

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

Qualifiers:

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

Page 8 of 42

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2111126

Date Reported: 11/11/2021

CLIENT: GHD Midland		Cl	ient Sample II	D: BI	H-9			
Project: Jackson B 55	Collection Date: 11/1/2021 2:40:00 PM							
Lab ID: 2111126-009	Matrix: SOIL		Received Dat	e: 11	/3/2021 7:35:00 AM			
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analyst:	LRN		
Chloride	2500	150	mg/Kg	50	11/6/2021 1:14:28 AM	63762		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB		
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	11/4/2021 1:48:17 PM	63743		
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	11/4/2021 1:48:17 PM	63743		
Surr: DNOP	93.8	70-130	%Rec	1	11/4/2021 1:48:17 PM	63743		
EPA METHOD 8015D: GASOLINE RANGE					Analyst	mb		
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	11/4/2021 9:43:00 PM	63726		
Surr: BFB	102	70-130	%Rec	1	11/4/2021 9:43:00 PM	63726		
EPA METHOD 8021B: VOLATILES					Analyst	mb		
Benzene	ND	0.024	mg/Kg	1	11/4/2021 9:43:00 PM	63726		
Toluene	ND	0.048	mg/Kg	1	11/4/2021 9:43:00 PM	63726		
Ethylbenzene	ND	0.048	mg/Kg	1	11/4/2021 9:43:00 PM	63726		
Xylenes, Total	ND	0.096	mg/Kg	1	11/4/2021 9:43:00 PM	63726		
Surr: 4-Bromofluorobenzene	108	70-130	%Rec	1	11/4/2021 9:43:00 PM	63726		

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

Qualifiers:

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

Page 9 of 42

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2111126

Date Reported: 11/11/2021

CLIENT: GHD Midland	Client Sample ID: BH-10 Collection Date: 11/1/2021 2:45:00 PM						
Project: Jackson B 55							
Lab ID: 2111126-010	Matrix: SOIL		Received Dat	e: 11,	/3/2021 7:35:00 AM		
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst:	CAS	
Chloride	120	60	mg/Kg	20	11/4/2021 12:58:05 PM	63762	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst:	SB	
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	11/4/2021 2:12:17 PM	63743	
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	11/4/2021 2:12:17 PM	63743	
Surr: DNOP	116	70-130	%Rec	1	11/4/2021 2:12:17 PM	63743	
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	mb	
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	11/4/2021 10:02:00 PM	63726	
Surr: BFB	95.3	70-130	%Rec	1	11/4/2021 10:02:00 PM	63726	
EPA METHOD 8021B: VOLATILES					Analyst:	mb	
Benzene	ND	0.023	mg/Kg	1	11/4/2021 10:02:00 PM	63726	
Toluene	ND	0.047	mg/Kg	1	11/4/2021 10:02:00 PM	63726	
Ethylbenzene	ND	0.047	mg/Kg	1	11/4/2021 10:02:00 PM	63726	
Xylenes, Total	ND	0.093	mg/Kg	1	11/4/2021 10:02:00 PM	63726	
Surr: 4-Bromofluorobenzene	102	70-130	%Rec	1	11/4/2021 10:02:00 PM	63726	

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

Qualifiers:

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

Page 10 of 42

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2111126

Date Reported: 11/11/2021

CLIENT: GHD Midland	Client Sample ID: BH-11						
Project: Jackson B 55		(Collection Dat	e: 11	/1/2021 2:50:00 PM		
Lab ID: 2111126-011	Matrix: SOIL		Received Dat	e: 11	/3/2021 7:35:00 AM		
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst:	CAS	
Chloride	970	60	mg/Kg	20	11/4/2021 1:10:30 PM	63762	
EPA METHOD 8015M/D: DIESEL RANGE	E ORGANICS				Analyst:	SB	
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	11/4/2021 3:00:34 PM	63743	
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	11/4/2021 3:00:34 PM	63743	
Surr: DNOP	103	70-130	%Rec	1	11/4/2021 3:00:34 PM	63743	
EPA METHOD 8015D: GASOLINE RANG	E				Analyst:	mb	
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	11/4/2021 10:22:00 PM	63726	
Surr: BFB	98.8	70-130	%Rec	1	11/4/2021 10:22:00 PM	63726	
EPA METHOD 8021B: VOLATILES					Analyst:	mb	
Benzene	ND	0.025	mg/Kg	1	11/4/2021 10:22:00 PM	63726	
Toluene	ND	0.050	mg/Kg	1	11/4/2021 10:22:00 PM	63726	
Ethylbenzene	ND	0.050	mg/Kg	1	11/4/2021 10:22:00 PM	63726	
Xylenes, Total	ND	0.099	mg/Kg	1	11/4/2021 10:22:00 PM	63726	
Surr: 4-Bromofluorobenzene	104	70-130	%Rec	1	11/4/2021 10:22:00 PM	63726	

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

Qualifiers:

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

Page 11 of 42

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2111126

Date Reported: 11/11/2021

CLIENT: GHD Midland	Client Sample ID: BH-12							
Project: Jackson B 55	Collection Date: 11/1/2021 2:55:00 PM							
Lab ID: 2111126-012	Matrix: SOIL		Received Dat	e: 11	/3/2021 7:35:00 AM			
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analyst	CAS		
Chloride	640	60	mg/Kg	20	11/4/2021 1:22:55 PM	63762		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB		
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	11/4/2021 3:24:45 PM	63743		
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	11/4/2021 3:24:45 PM	63743		
Surr: DNOP	97.7	70-130	%Rec	1	11/4/2021 3:24:45 PM	63743		
EPA METHOD 8015D: GASOLINE RANGE					Analyst	mb		
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	11/4/2021 10:42:00 PM	63726		
Surr: BFB	97.8	70-130	%Rec	1	11/4/2021 10:42:00 PM	63726		
EPA METHOD 8021B: VOLATILES					Analyst	mb		
Benzene	ND	0.023	mg/Kg	1	11/4/2021 10:42:00 PM	63726		
Toluene	ND	0.047	mg/Kg	1	11/4/2021 10:42:00 PM	63726		
Ethylbenzene	ND	0.047	mg/Kg	1	11/4/2021 10:42:00 PM	63726		
Xylenes, Total	ND	0.094	mg/Kg	1	11/4/2021 10:42:00 PM	63726		
Surr: 4-Bromofluorobenzene	99.3	70-130	%Rec	1	11/4/2021 10:42:00 PM	63726		

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

Qualifiers:

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

Page 12 of 42

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2111126

Date Reported: 11/11/2021

CLIENT: GHD Midland	Client Sample ID: BH-13							
Project: Jackson B 55	Collection Date: 11/1/2021 3:00:00 PM							
Lab ID: 2111126-013	Matrix: SOIL		Received Dat	e: 11	/3/2021 7:35:00 AM			
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analyst:	CAS		
Chloride	110	60	mg/Kg	20	11/4/2021 1:35:20 PM	63762		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst:	SB		
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	11/4/2021 3:48:51 PM	63743		
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	11/4/2021 3:48:51 PM	63743		
Surr: DNOP	85.0	70-130	%Rec	1	11/4/2021 3:48:51 PM	63743		
EPA METHOD 8015D: GASOLINE RANGE					Analyst:	mb		
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	11/4/2021 11:01:00 PM	63726		
Surr: BFB	96.2	70-130	%Rec	1	11/4/2021 11:01:00 PM	63726		
EPA METHOD 8021B: VOLATILES					Analyst:	mb		
Benzene	ND	0.023	mg/Kg	1	11/4/2021 11:01:00 PM	63726		
Toluene	ND	0.047	mg/Kg	1	11/4/2021 11:01:00 PM	63726		
Ethylbenzene	ND	0.047	mg/Kg	1	11/4/2021 11:01:00 PM	63726		
Xylenes, Total	ND	0.093	mg/Kg	1	11/4/2021 11:01:00 PM	63726		
Surr: 4-Bromofluorobenzene	102	70-130	%Rec	1	11/4/2021 11:01:00 PM	63726		

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

Qualifiers:

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

Page 13 of 42

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2111126

Date Reported: 11/11/2021

CLIENT: GHD Midland	Client Sample ID: BH-14							
Project: Jackson B 55	Collection Date: 11/1/2021 3:05:00 PM							
Lab ID: 2111126-014	Matrix: SOIL		Received Date: 11/3/2021 7:35:00 AM					
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analyst	CAS		
Chloride	97	60	mg/Kg	20	11/4/2021 1:47:45 PM	63762		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: SB		
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	11/4/2021 4:13:04 PM	63743		
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	11/4/2021 4:13:04 PM	63743		
Surr: DNOP	125	70-130	%Rec	1	11/4/2021 4:13:04 PM	63743		
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: mb		
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	11/5/2021	63726		
Surr: BFB	96.2	70-130	%Rec	1	11/5/2021	63726		
EPA METHOD 8021B: VOLATILES					Analyst	: mb		
Benzene	ND	0.024	mg/Kg	1	11/5/2021	63726		
Toluene	ND	0.048	mg/Kg	1	11/5/2021	63726		
Ethylbenzene	ND	0.048	mg/Kg	1	11/5/2021	63726		
Xylenes, Total	ND	0.096	mg/Kg	1	11/5/2021	63726		
Surr: 4-Bromofluorobenzene	106	70-130	%Rec	1	11/5/2021	63726		

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

Qualifiers:

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

Page 14 of 42

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2111126

Date Reported: 11/11/2021

CLIENT: GHD Midland	Client Sample ID: BH-15 Collection Date: 11/1/2021 3:10:00 PM						
Project: Jackson B 55							
Lab ID: 2111126-015	Matrix: SOIL		Received Dat	e: 11,	/3/2021 7:35:00 AM		
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analys	t: MRA	
Chloride	ND	60	mg/Kg	20	11/4/2021 10:14:41 Al	A 63763	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	st: SB	
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	11/4/2021 4:37:13 PM	63743	
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	11/4/2021 4:37:13 PM	63743	
Surr: DNOP	96.2	70-130	%Rec	1	11/4/2021 4:37:13 PM	63743	
EPA METHOD 8015D: GASOLINE RANGE	E				Analys	st: mb	
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	11/5/2021 12:20:00 AI	M 63726	
Surr: BFB	98.6	70-130	%Rec	1	11/5/2021 12:20:00 AI	M 63726	
EPA METHOD 8021B: VOLATILES					Analys	st: mb	
Benzene	ND	0.025	mg/Kg	1	11/5/2021 12:20:00 AI	A 63726	
Toluene	ND	0.050	mg/Kg	1	11/5/2021 12:20:00 AI	A 63726	
Ethylbenzene	ND	0.050	mg/Kg	1	11/5/2021 12:20:00 AI	A 63726	
Xylenes, Total	ND	0.099	mg/Kg	1	11/5/2021 12:20:00 AI	M 63726	
Surr: 4-Bromofluorobenzene	105	70-130	%Rec	1	11/5/2021 12:20:00 AI	A 63726	

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

Qualifiers:

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

Page 15 of 42

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2111126

Date Reported: 11/11/2021

CLIENT: GHD Midland	Client Sample ID: BH-16						
Project: Jackson B 55		(Collection Date	e: 11,	/1/2021 3:15:00 PM		
Lab ID: 2111126-016	Matrix: SOIL		Received Date	e: 11,	/3/2021 7:35:00 AM		
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	MRA	
Chloride	150	60	mg/Kg	20	11/4/2021 10:27:05 AN	63763	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB	
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	11/4/2021 5:01:32 PM	63743	
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	11/4/2021 5:01:32 PM	63743	
Surr: DNOP	96.4	70-130	%Rec	1	11/4/2021 5:01:32 PM	63743	
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: mb	
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	11/5/2021 12:39:00 AN	63726	
Surr: BFB	98.3	70-130	%Rec	1	11/5/2021 12:39:00 AN	63726	
EPA METHOD 8021B: VOLATILES					Analyst	: mb	
Benzene	ND	0.025	mg/Kg	1	11/5/2021 12:39:00 AN	63726	
Toluene	ND	0.050	mg/Kg	1	11/5/2021 12:39:00 AN	63726	
Ethylbenzene	ND	0.050	mg/Kg	1	11/5/2021 12:39:00 AN	63726	
Xylenes, Total	ND	0.10	mg/Kg	1	11/5/2021 12:39:00 AN	63726	
Surr: 4-Bromofluorobenzene	103	70-130	%Rec	1	11/5/2021 12:39:00 AN	63726	

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

Qualifiers:

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

Page 16 of 42

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2111126

Date Reported: 11/11/2021

CLIENT: GHD Midland	Client Sample ID: BH-17							
Project: Jackson B 55	Collection Date: 11/1/2021 3:20:00 PM							
Lab ID: 2111126-017	Matrix: SOIL		Received Dat	e: 11	/3/2021 7:35:00 AM			
Analyses	Result	RL	Qual Units	DF	Date Analyzed Ba	atch		
EPA METHOD 300.0: ANIONS					Analyst: MF	RA		
Chloride	100	60	mg/Kg	20	11/4/2021 10:39:29 AM 637	763		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: SB	3		
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	11/4/2021 5:25:44 PM 637	3743		
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	11/4/2021 5:25:44 PM 637	3743		
Surr: DNOP	107	70-130	%Rec	1	11/4/2021 5:25:44 PM 637	3743		
EPA METHOD 8015D: GASOLINE RANGE	i .				Analyst: mb	b		
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	11/5/2021 12:59:00 AM 637	726		
Surr: BFB	98.2	70-130	%Rec	1	11/5/2021 12:59:00 AM 637	726		
EPA METHOD 8021B: VOLATILES					Analyst: mb	b		
Benzene	ND	0.024	mg/Kg	1	11/5/2021 12:59:00 AM 637	726		
Toluene	ND	0.047	mg/Kg	1	11/5/2021 12:59:00 AM 637	3726		
Ethylbenzene	ND	0.047	mg/Kg	1	11/5/2021 12:59:00 AM 637	726		
Xylenes, Total	ND	0.095	mg/Kg	1	11/5/2021 12:59:00 AM 637	3726		
Surr: 4-Bromofluorobenzene	106	70-130	%Rec	1	11/5/2021 12:59:00 AM 637	726		

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

Qualifiers:

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

Page 17 of 42

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2111126

Date Reported: 11/11/2021

CLIENT: GHD Midland		Cl	ient Sample II	D: BH	H-18			
Project: Jackson B 55	Collection Date: 11/1/2021 3:25:00 PM							
Lab ID: 2111126-018	Matrix: SOIL		Received Dat	e: 11,	/3/2021 7:35:00 AN	1		
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Ana	yst: MRA		
Chloride	63	60	mg/Kg	20	11/4/2021 10:51:53	AM 63763		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Ana	yst: SB		
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	11/4/2021 5:50:06 F	PM 63743		
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	11/4/2021 5:50:06 F	PM 63743		
Surr: DNOP	76.2	70-130	%Rec	1	11/4/2021 5:50:06 F	PM 63743		
EPA METHOD 8015D: GASOLINE RANGE					Ana	yst: mb		
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	11/5/2021 1:19:00 A	M 63726		
Surr: BFB	101	70-130	%Rec	1	11/5/2021 1:19:00 A	M 63726		
EPA METHOD 8021B: VOLATILES					Ana	yst: mb		
Benzene	ND	0.024	mg/Kg	1	11/5/2021 1:19:00 A	M 63726		
Toluene	ND	0.048	mg/Kg	1	11/5/2021 1:19:00 A	M 63726		
Ethylbenzene	ND	0.048	mg/Kg	1	11/5/2021 1:19:00 A	M 63726		
Xylenes, Total	ND	0.096	mg/Kg	1	11/5/2021 1:19:00 A	M 63726		
Surr: 4-Bromofluorobenzene	104	70-130	%Rec	1	11/5/2021 1:19:00 A	M 63726		

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

Qualifiers:

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

Page 18 of 42

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2111126

Date Reported: 11/11/2021

CLIENT: GHD Midland Project: Jackson B 55			ient Sample II Collection Dat		I-19 /1/2021 3:30:00 PM	
Lab ID: 2111126-019	Matrix: SOIL Received Date: 11/3/2021 7:35:00 A					
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	ND	60	mg/Kg	20	11/4/2021 11:04:17 AM	63763
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	11/4/2021 6:14:17 PM	63743
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	11/4/2021 6:14:17 PM	63743
Surr: DNOP	105	70-130	%Rec	1	11/4/2021 6:14:17 PM	63743
EPA METHOD 8015D: GASOLINE RANGE					Analyst	mb
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	11/5/2021 1:38:00 AM	63726
Surr: BFB	103	70-130	%Rec	1	11/5/2021 1:38:00 AM	63726
EPA METHOD 8021B: VOLATILES					Analyst	mb
Benzene	ND	0.025	mg/Kg	1	11/5/2021 1:38:00 AM	63726
Toluene	ND	0.050	mg/Kg	1	11/5/2021 1:38:00 AM	63726
Ethylbenzene	ND	0.050	mg/Kg	1	11/5/2021 1:38:00 AM	63726
Xylenes, Total	ND	0.099	mg/Kg	1	11/5/2021 1:38:00 AM	63726
Surr: 4-Bromofluorobenzene	105	70-130	%Rec	1	11/5/2021 1:38:00 AM	63726

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

Qualifiers:

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

Page 19 of 42

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2111126

Date Reported: 11/11/2021

CLIENT: GHD Midland	Client Sample ID: BH-20 Collection Date: 11/1/2021 3:35:00 PM						
Project: Jackson B 55 Lab ID: 2111126-020	Matrix: SOIL				/1/2021 3:35:00 PM /3/2021 7:35:00 AM		
Lab ID: 2111120-020	Matrix: SOIL		Keceiveu Dat	e: 11/	/3/2021 7.33.00 Alvi		
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst:	MRA	
Chloride	70	60	mg/Kg	20	11/4/2021 11:41:31 AM	63763	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst:	SB	
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	11/4/2021 6:38:46 PM	63743	
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	11/4/2021 6:38:46 PM	63743	
Surr: DNOP	97.8	70-130	%Rec	1	11/4/2021 6:38:46 PM	63743	
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst:	mb	
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	11/5/2021 1:58:00 AM	63726	
Surr: BFB	97.8	70-130	%Rec	1	11/5/2021 1:58:00 AM	63726	
EPA METHOD 8021B: VOLATILES					Analyst:	mb	
Benzene	ND	0.024	mg/Kg	1	11/5/2021 1:58:00 AM	63726	
Toluene	ND	0.048	mg/Kg	1	11/5/2021 1:58:00 AM	63726	
Ethylbenzene	ND	0.048	mg/Kg	1	11/5/2021 1:58:00 AM	63726	
Xylenes, Total	ND	0.097	mg/Kg	1	11/5/2021 1:58:00 AM	63726	
Surr: 4-Bromofluorobenzene	104	70-130	%Rec	1	11/5/2021 1:58:00 AM	63726	

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

Qualifiers:

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

Page 20 of 42

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2111126

Date Reported: 11/11/2021

CLIENT: GHD Midland	Client Sample ID: BH-21							
Project: Jackson B 55	Collection Date: 11/1/2021 3:40:00 PM							
Lab ID: 2111126-021	Matrix: SOIL		Received Date	e: 11	/3/2021 7:35:00 AM			
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analyst	: LRN		
Chloride	ND	60	mg/Kg	20	11/5/2021 2:04:31 PM	63784		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB		
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	11/5/2021 1:53:33 PM	63756		
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	11/5/2021 1:53:33 PM	63756		
Surr: DNOP	90.2	70-130	%Rec	1	11/5/2021 1:53:33 PM	63756		
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	: mb		
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	11/5/2021 2:18:00 AM	63726		
Surr: BFB	99.6	70-130	%Rec	1	11/5/2021 2:18:00 AM	63726		
EPA METHOD 8021B: VOLATILES					Analyst	: mb		
Benzene	ND	0.025	mg/Kg	1	11/5/2021 2:18:00 AM	63726		
Toluene	ND	0.049	mg/Kg	1	11/5/2021 2:18:00 AM	63726		
Ethylbenzene	ND	0.049	mg/Kg	1	11/5/2021 2:18:00 AM	63726		
Xylenes, Total	ND	0.098	mg/Kg	1	11/5/2021 2:18:00 AM	63726		
Surr: 4-Bromofluorobenzene	104	70-130	%Rec	1	11/5/2021 2:18:00 AM	63726		

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

Qualifiers:

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

Page 21 of 42

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2111126

Date Reported: 11/11/2021

CLIENT: GHD Midland	Client Sample ID: BH-22							
Project: Jackson B 55	Collection Date: 11/1/2021 3:45:00 PM							
Lab ID: 2111126-022	Matrix: SOIL		Received Dat	e: 11	/3/2021 7:35:00 AM			
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analyst	LRN		
Chloride	ND	60	mg/Kg	20	11/5/2021 3:06:33 PM	63784		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB		
Diesel Range Organics (DRO)	ND	9.0	mg/Kg	1	11/5/2021 2:17:45 PM	63756		
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	11/5/2021 2:17:45 PM	63756		
Surr: DNOP	89.3	70-130	%Rec	1	11/5/2021 2:17:45 PM	63756		
EPA METHOD 8015D: GASOLINE RANGE					Analyst	mb		
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	11/5/2021 2:37:00 AM	63726		
Surr: BFB	102	70-130	%Rec	1	11/5/2021 2:37:00 AM	63726		
EPA METHOD 8021B: VOLATILES					Analyst	mb		
Benzene	ND	0.024	mg/Kg	1	11/5/2021 2:37:00 AM	63726		
Toluene	ND	0.048	mg/Kg	1	11/5/2021 2:37:00 AM	63726		
Ethylbenzene	ND	0.048	mg/Kg	1	11/5/2021 2:37:00 AM	63726		
Xylenes, Total	ND	0.095	mg/Kg	1	11/5/2021 2:37:00 AM	63726		
Surr: 4-Bromofluorobenzene	98.8	70-130	%Rec	1	11/5/2021 2:37:00 AM	63726		

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

Qualifiers:

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

Page 22 of 42

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2111126

Date Reported: 11/11/2021

CLIENT: GHD Midland		Cl	ient Sample II): BF	H-23			
Project: Jackson B 55	Collection Date: 11/1/2021 3:50:00 PM							
Lab ID: 2111126-023	Matrix: SOIL		Received Date	e: 11	/3/2021 7:35:00 AM			
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analyst	LRN		
Chloride	120	60	mg/Kg	20	11/5/2021 3:43:46 PM	63784		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB		
Diesel Range Organics (DRO)	ND	8.5	mg/Kg	1	11/5/2021 2:42:01 PM	63756		
Motor Oil Range Organics (MRO)	ND	43	mg/Kg	1	11/5/2021 2:42:01 PM	63756		
Surr: DNOP	85.8	70-130	%Rec	1	11/5/2021 2:42:01 PM	63756		
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: mb		
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	11/5/2021 2:57:00 AM	63726		
Surr: BFB	96.1	70-130	%Rec	1	11/5/2021 2:57:00 AM	63726		
EPA METHOD 8021B: VOLATILES					Analyst	: mb		
Benzene	ND	0.023	mg/Kg	1	11/5/2021 2:57:00 AM	63726		
Toluene	ND	0.046	mg/Kg	1	11/5/2021 2:57:00 AM	63726		
Ethylbenzene	ND	0.046	mg/Kg	1	11/5/2021 2:57:00 AM	63726		
Xylenes, Total	ND	0.093	mg/Kg	1	11/5/2021 2:57:00 AM	63726		
Surr: 4-Bromofluorobenzene	95.7	70-130	%Rec	1	11/5/2021 2:57:00 AM	63726		

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

Qualifiers:

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

Page 23 of 42

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2111126

Date Reported: 11/11/2021

CLIENT: GHD Midland		Cli	ient Sample II	D: BF	H-24			
Project: Jackson B 55	Collection Date: 11/1/2021 3:55:00 PM							
Lab ID: 2111126-024	Matrix: SOIL		Received Dat	e: 11,	/3/2021 7:35:00 AM			
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analyst	: LRN		
Chloride	ND	60	mg/Kg	20	11/5/2021 3:56:10 PM	63784		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: SB		
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	11/5/2021 3:06:12 PM	63756		
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	11/5/2021 3:06:12 PM	63756		
Surr: DNOP	99.8	70-130	%Rec	1	11/5/2021 3:06:12 PM	63756		
EPA METHOD 8015D: GASOLINE RANG	E				Analyst	: NSB		
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	11/4/2021 8:53:46 PM	63739		
Surr: BFB	99.4	70-130	%Rec	1	11/4/2021 8:53:46 PM	63739		
EPA METHOD 8021B: VOLATILES					Analyst	: NSB		
Benzene	ND	0.024	mg/Kg	1	11/4/2021 8:53:46 PM	63739		
Toluene	ND	0.049	mg/Kg	1	11/4/2021 8:53:46 PM	63739		
Ethylbenzene	ND	0.049	mg/Kg	1	11/4/2021 8:53:46 PM	63739		
Xylenes, Total	ND	0.098	mg/Kg	1	11/4/2021 8:53:46 PM	63739		
Surr: 4-Bromofluorobenzene	99.7	70-130	%Rec	1	11/4/2021 8:53:46 PM	63739		

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

Qualifiers:

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

Page 24 of 42

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2111126

Date Reported: 11/11/2021

CLIENT: GHD Midland		Cl	ient Sample II): Bł	H-25		
Project: Jackson B 55	Collection Date: 11/1/2021 4:00:00 PM						
Lab ID: 2111126-025	Matrix: SOIL		Received Dat	e: 11,	/3/2021 7:35:00 AM		
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst:	LRN	
Chloride	ND	60	mg/Kg	20	11/5/2021 4:08:35 PM	63784	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB	
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	11/5/2021 3:30:37 PM	63756	
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	11/5/2021 3:30:37 PM	63756	
Surr: DNOP	86.4	70-130	%Rec	1	11/5/2021 3:30:37 PM	63756	
EPA METHOD 8015D: GASOLINE RANG	E				Analyst:	NSB	
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	11/4/2021 10:03:56 PM	63739	
Surr: BFB	100	70-130	%Rec	1	11/4/2021 10:03:56 PM	63739	
EPA METHOD 8021B: VOLATILES					Analyst:	NSB	
Benzene	ND	0.024	mg/Kg	1	11/4/2021 10:03:56 PM	63739	
Toluene	ND	0.048	mg/Kg	1	11/4/2021 10:03:56 PM	63739	
Ethylbenzene	ND	0.048	mg/Kg	1	11/4/2021 10:03:56 PM	63739	
Xylenes, Total	ND	0.096	mg/Kg	1	11/4/2021 10:03:56 PM	63739	
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	1	11/4/2021 10:03:56 PM	63739	

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits Sample pH Not In Range
- Р RL Reporting Limit
- Page 25 of 42

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2111126

Date Reported: 11/11/2021

CLIENT: GHD Midland		Cl	ient Sample II): Bł	H-26		
Project: Jackson B 55	Collection Date: 11/1/2021 4:05:00 PM						
Lab ID: 2111126-026	Matrix: SOIL		Received Date	e: 11	/3/2021 7:35:00 AM		
Analyses	Result	RL	Qual Units	DF	Date Analyzed Bat	tch	
EPA METHOD 300.0: ANIONS					Analyst: LR	N	
Chloride	ND	60	mg/Kg	20	11/5/2021 4:45:48 PM 637	792	
EPA METHOD 8015M/D: DIESEL RANGE					Analyst: SB	3	
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	11/5/2021 3:54:55 PM 637	756	
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	11/5/2021 3:54:55 PM 637	756	
Surr: DNOP	81.1	70-130	%Rec	1	11/5/2021 3:54:55 PM 637	756	
EPA METHOD 8015D: GASOLINE RANG	E				Analyst: NS	зB	
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	11/4/2021 11:14:12 PM 637	739	
Surr: BFB	99.3	70-130	%Rec	1	11/4/2021 11:14:12 PM 637	739	
EPA METHOD 8021B: VOLATILES					Analyst: NS	зB	
Benzene	ND	0.023	mg/Kg	1	11/4/2021 11:14:12 PM 637	739	
Toluene	ND	0.047	mg/Kg	1	11/4/2021 11:14:12 PM 637	739	
Ethylbenzene	ND	0.047	mg/Kg	1	11/4/2021 11:14:12 PM 637	739	
Xylenes, Total	ND	0.094	mg/Kg	1	11/4/2021 11:14:12 PM 637	739	
Surr: 4-Bromofluorobenzene	99.6	70-130	%Rec	1	11/4/2021 11:14:12 PM 637	739	

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

Qualifiers:

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

Page 26 of 42

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2111126

Date Reported: 11/11/2021

CLIENT: GHD Midland		Cl	ient Sample II	D: SV	V-1			
Project: Jackson B 55	Collection Date: 11/1/2021 4:10:00 PM							
Lab ID: 2111126-027	Matrix: SOIL		Received Dat	e: 11	/3/2021 7:35:00 AM			
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analys	t: LRN		
Chloride	320	59	mg/Kg	20	11/5/2021 5:47:50 PM	63792		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	t: SB		
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	11/5/2021 4:19:20 PM	63756		
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	11/5/2021 4:19:20 PM	63756		
Surr: DNOP	82.4	70-130	%Rec	1	11/5/2021 4:19:20 PM	63756		
EPA METHOD 8015D: GASOLINE RANGE	E				Analys	t: NSB		
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	11/4/2021 11:37:38 PM	1 63739		
Surr: BFB	100	70-130	%Rec	1	11/4/2021 11:37:38 PM	1 63739		
EPA METHOD 8021B: VOLATILES					Analys	t: NSB		
Benzene	ND	0.023	mg/Kg	1	11/4/2021 11:37:38 PM	1 63739		
Toluene	ND	0.046	mg/Kg	1	11/4/2021 11:37:38 PM	1 63739		
Ethylbenzene	ND	0.046	mg/Kg	1	11/4/2021 11:37:38 PM	1 63739		
Xylenes, Total	ND	0.092	mg/Kg	1	11/4/2021 11:37:38 PM	1 63739		
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	1	11/4/2021 11:37:38 PM	1 63739		

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

Qualifiers:

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

Page 27 of 42

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2111126

Date Reported: 11/11/2021

CLIENT: GHD Midland Project: Jackson B 55	Client Sample ID: SW-2 Collection Date: 11/1/2021 4:15:00 PM						
Lab ID: 2111126-028	Matrix: SOIL Received Date: 11/3/2021 7:35:00 AN						
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst:	LRN	
Chloride	350	60	mg/Kg	20	11/5/2021 6:25:05 PM	63792	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst:	SB	
Diesel Range Organics (DRO)	13	9.6	mg/Kg	1	11/5/2021 4:43:39 PM	63756	
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	11/5/2021 4:43:39 PM	63756	
Surr: DNOP	86.2	70-130	%Rec	1	11/5/2021 4:43:39 PM	63756	
EPA METHOD 8015D: GASOLINE RANGE	I				Analyst:	NSB	
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	11/5/2021 12:01:04 AM	63739	
Surr: BFB	99.1	70-130	%Rec	1	11/5/2021 12:01:04 AM	63739	
EPA METHOD 8021B: VOLATILES					Analyst:	NSB	
Benzene	ND	0.024	mg/Kg	1	11/5/2021 12:01:04 AM	63739	
Toluene	ND	0.049	mg/Kg	1	11/5/2021 12:01:04 AM	63739	
Ethylbenzene	ND	0.049	mg/Kg	1	11/5/2021 12:01:04 AM	63739	
Xylenes, Total	ND	0.097	mg/Kg	1	11/5/2021 12:01:04 AM	63739	
Surr: 4-Bromofluorobenzene	98.7	70-130	%Rec	1	11/5/2021 12:01:04 AM	63739	

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

Qualifiers:

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

Page 28 of 42

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2111126

Date Reported: 11/11/2021

CLIENT: GHD Midland	Client Sample ID: SW-3 Collection Date: 11/1/2021 4:20:00 PM Matrix: SOIL Received Date: 11/3/2021 7:35:00 AM					
Project: Jackson B 55						
Lab ID: 2111126-029						
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	87	60	mg/Kg	20	11/5/2021 6:37:29 PM	63792
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	11/5/2021 5:08:05 PM	63756
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	11/5/2021 5:08:05 PM	63756
Surr: DNOP	84.9	70-130	%Rec	1	11/5/2021 5:08:05 PM	63756
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	11/5/2021 12:24:27 AM	63739
Surr: BFB	99.3	70-130	%Rec	1	11/5/2021 12:24:27 AM	63739
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	11/5/2021 12:24:27 AM	63739
Toluene	ND	0.047	mg/Kg	1	11/5/2021 12:24:27 AM	63739
Ethylbenzene	ND	0.047	mg/Kg	1	11/5/2021 12:24:27 AM	63739
Xylenes, Total	ND	0.095	mg/Kg	1	11/5/2021 12:24:27 AM	63739
Surr: 4-Bromofluorobenzene	99.3	70-130	%Rec	1	11/5/2021 12:24:27 AM	63739

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits Sample pH Not In Range
- Р RL Reporting Limit
- Page 29 of 42

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2111126

Date Reported: 11/11/2021

CLIENT: GHD Midland	Client Sample ID: SW-4									
Project: Jackson B 55	Collection Date: 11/1/2021 4:25:00 PM									
Lab ID: 2111126-030	Matrix: SOIL	Received Date: 11/3/2021 7:35:00 AM								
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch				
EPA METHOD 300.0: ANIONS					Analyst	LRN				
Chloride	180	60	mg/Kg	20	11/5/2021 6:49:53 PM	63792				
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB				
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	11/5/2021 5:32:18 PM	63756				
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	11/5/2021 5:32:18 PM	63756				
Surr: DNOP	84.0	70-130	%Rec	1	11/5/2021 5:32:18 PM	63756				
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB				
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	11/5/2021 12:47:56 AM	63739				
Surr: BFB	99.1	70-130	%Rec	1	11/5/2021 12:47:56 AM	63739				
EPA METHOD 8021B: VOLATILES					Analyst	NSB				
Benzene	ND	0.025	mg/Kg	1	11/5/2021 12:47:56 AM	63739				
Toluene	ND	0.050	mg/Kg	1	11/5/2021 12:47:56 AM	63739				
Ethylbenzene	ND	0.050	mg/Kg	1	11/5/2021 12:47:56 AM	63739				
Xylenes, Total	ND	0.099	mg/Kg	1	11/5/2021 12:47:56 AM	63739				
Surr: 4-Bromofluorobenzene	98.7	70-130	%Rec	1	11/5/2021 12:47:56 AM	63739				

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

Qualifiers:

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

Page 30 of 42

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2111126

Date Reported: 11/11/2021

CLIENT: GHD Midland Project: Jackson B 55	Client Sample ID: SW-5 Collection Date: 11/1/2021 4:30:00 PM									
Lab ID: 2111126-031	Matrix: SOIL		/3/2021 7:35:00 AM							
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch				
EPA METHOD 300.0: ANIONS					Analyst	LRN				
Chloride	ND	60	mg/Kg	20	11/5/2021 7:02:17 PM	63792				
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB				
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	11/5/2021 5:56:36 PM	63756				
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	11/5/2021 5:56:36 PM	63756				
Surr: DNOP	82.7	70-130	%Rec	1	11/5/2021 5:56:36 PM	63756				
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	: NSB				
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	11/5/2021 1:11:19 AM	63739				
Surr: BFB	98.9	70-130	%Rec	1	11/5/2021 1:11:19 AM	63739				
EPA METHOD 8021B: VOLATILES					Analyst	: NSB				
Benzene	ND	0.023	mg/Kg	1	11/5/2021 1:11:19 AM	63739				
Toluene	ND	0.046	mg/Kg	1	11/5/2021 1:11:19 AM	63739				
Ethylbenzene	ND	0.046	mg/Kg	1	11/5/2021 1:11:19 AM	63739				
Xylenes, Total	ND	0.092	mg/Kg	1	11/5/2021 1:11:19 AM	63739				
Surr: 4-Bromofluorobenzene	99.5	70-130	%Rec	1	11/5/2021 1:11:19 AM	63739				

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

Qualifiers:

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

Page 31 of 42

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2111126

Date Reported: 11/11/2021

CLIENT: GHD Midland	Client Sample ID: SW-6										
Project: Jackson B 55	Collection Date: 11/1/2021 4:35:00 PM										
Lab ID: 2111126-032	Matrix: SOIL]	/3/2021 7:35:00 AM								
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch					
EPA METHOD 300.0: ANIONS					Analyst	LRN					
Chloride	61	59	mg/Kg	20	11/5/2021 7:14:42 PM	63792					
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB					
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	11/5/2021 6:20:54 PM	63756					
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	11/5/2021 6:20:54 PM	63756					
Surr: DNOP	85.5	70-130	%Rec	1	11/5/2021 6:20:54 PM	63756					
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	: NSB					
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	11/5/2021 1:34:41 AM	63739					
Surr: BFB	98.7	70-130	%Rec	1	11/5/2021 1:34:41 AM	63739					
EPA METHOD 8021B: VOLATILES					Analyst	: NSB					
Benzene	ND	0.024	mg/Kg	1	11/5/2021 1:34:41 AM	63739					
Toluene	ND	0.048	mg/Kg	1	11/5/2021 1:34:41 AM	63739					
Ethylbenzene	ND	0.048	mg/Kg	1	11/5/2021 1:34:41 AM	63739					
Xylenes, Total	ND	0.096	mg/Kg	1	11/5/2021 1:34:41 AM	63739					
Surr: 4-Bromofluorobenzene	100	70-130	%Rec	1	11/5/2021 1:34:41 AM	63739					

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

Qualifiers:

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- Н Holding times for preparation or analysis exceeded
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- PQL Practical Quanitative Limit
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- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 32 of 42

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#:	2111126
	11 Nov. 21

11-Nov-21

Client:	GHD Mid	illand							
Project:	Jackson E	3 55							
Sample ID:	MB-63750	SampType: r	blk	Tes	tCode: FPA Met	hod 300.0: Anion	s		
Client ID:		Batch ID: 6			RunNo: 82554	5			
Prep Date:	11/3/2021	Analysis Date: 1			SeqNo: 2930779	Units: mg/k	(a		
•		Result PQL		SPK Ref Val		•	%RPD	RPDLimit	Qual
Analyte Chloride		ND 1.5		SFR Rei Val	%REC LOWE	mit HighLimit	/0RF D	KF DLimit	Quai
Sample ID:	LCS-63750	SampType: Ic	s	Tes	tCode: EPA Met	hod 300.0: Anion	S		
Client ID:	LCSS	Batch ID: 6	3750	R	RunNo: 82554				
Prep Date:	11/3/2021	Analysis Date:	1/3/2021	S	SeqNo: 2930780	Units: mg/k	٢g		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC LowL	mit HighLimit	%RPD	RPDLimit	Qual
Chloride		14 1.5	5 15.00	0	91.6	90 110			
Sample ID:	MB-63763	SampType: r	nblk	Tes	tCode: EPA Met	hod 300.0: Anion	S		
Client ID:	PBS	Batch ID: 6	3763	R	RunNo: 82612				
Prep Date:	11/4/2021	Analysis Date:	1/4/2021	S	SeqNo: 2932209	Units: mg/k	٢g		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC LowL	mit HighLimit	%RPD	RPDLimit	Qual
Chloride		ND 1.5	5						
Sample ID:	LCS-63763	SampType: Ic	s	Tes	tCode: EPA Met	hod 300.0: Anion	S		
Client ID:	LCSS	Batch ID: 6	3763	R	RunNo: 82612				
Prep Date:	11/4/2021	Analysis Date:	1/4/2021	S	GeqNo: 2932210	Units: mg/K	٤g		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC LowL	mit HighLimit	%RPD	RPDLimit	Qual
Chloride		14 1.5	5 15.00	0	96.1				
				0	90.1	90 110			
Sample ID:	MB-63762	SampType: m				90 110 hod 300.0: Anion	s		
Sample ID: Client ID:		SampType: m Batch ID: 6	ıblk	Tes			s		
-	PBS		iblk 3762	Tes	tCode: EPA Met	hod 300.0: Anion			
Client ID:	PBS	Batch ID: 6	nblk 3762 11/4/2021	Tes	tCode: EPA Met RunNo: 82614 SeqNo: 2932376	hod 300.0: Anion Units: mg/K		RPDLimit	Qual
Client ID: Prep Date:	PBS	Batch ID: 6 Analysis Date: 1	nblk 3762 11/4/2021 SPK value	Tes R S	tCode: EPA Met RunNo: 82614 SeqNo: 2932376	hod 300.0: Anion Units: mg/K	ζg	RPDLimit	Qual
Client ID: Prep Date: Analyte Chloride	PBS	Batch ID: 6 Analysis Date: 1 Result PQL	nblk 3762 11/4/2021 SPK value	Tes R S SPK Ref Val	tCode: EPA Met RunNo: 82614 SeqNo: 2932376 %REC LowL	hod 300.0: Anion Units: mg/K	(g %RPD	RPDLimit	Qual
Client ID: Prep Date: Analyte Chloride	PBS 11/4/2021 LCS-63762	Batch ID: 6 Analysis Date: 1 Result PQL ND 1.5	nblk 3762 11/4/2021 SPK value	Tes R SPK Ref Val Tes	tCode: EPA Met RunNo: 82614 SeqNo: 2932376 %REC LowL	hod 300.0: Anion Units: mg/K mit HighLimit	(g %RPD	RPDLimit	Qual
Client ID: Prep Date: Analyte Chloride Sample ID:	PBS 11/4/2021 LCS-63762	Batch ID: 6 Analysis Date: 1 Result PQL ND 1.5 SampType: Ic	ablk 3762 11/4/2021 SPK value 5 5 3762	Tes R SPK Ref Val Tes R	tCode: EPA Met RunNo: 82614 GeqNo: 2932376 %REC LowL tCode: EPA Met	hod 300.0: Anion Units: mg/K mit HighLimit hod 300.0: Anion	s S S S	RPDLimit	Qual
Client ID: Prep Date: Analyte Chloride Sample ID: Client ID:	PBS 11/4/2021 LCS-63762 LCSS	Batch ID: 6 Analysis Date: 1 Result PQL ND 1.5 SampType: Ic Batch ID: 6	ablk 3762 11/4/2021 SPK value 5 3762 11/4/2021	Tes R SPK Ref Val Tes R	tCode: EPA Met RunNo: 82614 SeqNo: 2932376 %REC LowL tCode: EPA Met RunNo: 82614	hod 300.0: Anion Units: mg/K mit HighLimit hod 300.0: Anion Units: mg/K	s S S S	RPDLimit	Qual

Qualifiers:

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

Client:	GHD Midland							
Project:	Jackson B 55							
Sample ID: MB	-63784 Samp	oType: mblk	Tes	tCode: EPA Method	300.0: Anions			
Client ID: PBS	B Bat	ch ID: 63784	I	RunNo: 82637				
Prep Date: 11	/5/2021 Analysis	Date: 11/5/2021	;	SeqNo: 2933906	Units: mg/Kg			
Analyte Chloride	Result ND	PQL SPK va 1.5	lue SPK Ref Val	%REC LowLimit	HighLimit %	6RPD	RPDLimit	Qual
Sample ID: LCS	5-63784 Samp	oType: Ics	Tes	stCode: EPA Method	300.0: Anions			
Client ID: LCS	SS Bat	ch ID: 63784	I	RunNo: 82637				
Prep Date: 11	/5/2021 Analysis	Date: 11/5/2021	:	SeqNo: 2933907	Units: mg/Kg			
Analyte	Result	PQL SPK va	lue SPK Ref Val	%REC LowLimit	HighLimit %	6RPD	RPDLimit	Qual
Chloride	14	1.5 15	.00 0	93.0 90	110			
Sample ID: MB	-63792 Samp	oType: mblk	Tes	tCode: EPA Method	300.0: Anions			
Client ID: PBS	B Bat	ch ID: 63792	I	RunNo: 82637				
Prep Date: 11	/5/2021 Analysis	Date: 11/5/2021	:	SeqNo: 2933936	Units: mg/Kg			
Analyte	Result	PQL SPK va	lue SPK Ref Val	%REC LowLimit	HighLimit %	6RPD	RPDLimit	Qual
Chloride	ND	1.5						
Sample ID: LCS	5-63792 Samp	oType: Ics	Tes	stCode: EPA Method	300.0: Anions			
Client ID: LCS	SS Bat	ch ID: 63792	I	RunNo: 82637				
Prep Date: 11	/5/2021 Analysis	Date: 11/5/2021	:	SeqNo: 2933937	Units: mg/Kg			
Analyte	Result	PQL SPK va	lue SPK Ref Val	%REC LowLimit	HighLimit %	6RPD	RPDLimit	Qual
Chloride	14	1.5 15	.00 0	93.7 90	110			

Qualifiers:

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- 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 34 of 42

2111126

11-Nov-21

WO#:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

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WO#·	2111126	
	2111120	

11-Nov-21

Page 114 of 164

Client: Project:	GHD Mid Jackson B										
Sample ID: LO	CS-63743	Samp	Type: LC	s	Tes	tCode: EF	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: LC	CSS	Batc	h ID: 63	743	F	RunNo: 8 2	2578				
Prep Date: 1	11/3/2021	Analysis [Date: 11	1/4/2021	S	SeqNo: 29	931839	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Orga	anics (DRO)	51	10	50.00	0	101	68.9	135			
Surr: DNOP		5.0		5.000		101	70	130			
Sample ID: M	B-63743	Samp	Туре: МЕ	BLK	Tes	tCode: EF	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: PI	BS	Batc	h ID: 63	743	F	RunNo: 82	2578				
Prep Date: 1	11/3/2021	Analysis [Date: 11	1/4/2021	S	SeqNo: 29	931840	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Orga	anics (DRO)	ND	10								
Motor Oil Range C	Organics (MRO)	ND	50								
Surr: DNOP		9.3		10.00		92.6	70	130			
Sample ID: 21	111126-001AMS	Samp	Туре: МS	5	Tes	tCode: EF	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: BI	H-1	Batc	h ID: 63	743	F	RunNo: 8 2	2578				
Prep Date: 1	11/3/2021	Analysis [Date: 11	1/4/2021	5	SeqNo: 29	932241	Units: mg/K	íg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Orga	anics (DRO)	50	10	49.75	0	101	39.3	155			
Surr: DNOP		5.0		4.975		100	70	130			
Sample ID: 21	111126-001AMSD	Samp	Туре: МS	SD	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: BI	H-1	Batc	h ID: 63	743	F	RunNo: 82	2578				
Prep Date: 1	11/3/2021	Analysis [Date: 11	1/4/2021	5	SeqNo: 29	932242	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Orga	anics (DRO)	50	9.9	49.55	0	102	39.3	155	0.181	23.4	
Curr DNOD											
Surr: DNOP		4.8		4.955		97.7	70	130	0	0	
	111126-021AMS		Туре: М\$		Tes			130 8015M/D: Die			
1		Samp	Type: MS h ID: 63	6			PA Method				
Sample ID: 21	H-21	Samp	h ID: 63	5 756	F	tCode: EF	PA Method		esel Rango		
Sample ID: 21 Client ID: BI	H-21	Samp [¬] Batc	h ID: 63	S 756 1/5/2021	F	tCode: EF RunNo: 82 SeqNo: 29	PA Method	8015M/D: Die	esel Rango		Qual
Sample ID: 21 Client ID: BI Prep Date: 1	H-21 11/4/2021	Samp Batc Analysis [h ID: 63 Date: 11	S 756 1/5/2021	F	tCode: EF RunNo: 82 SeqNo: 29	PA Method 2622 934279	8015M/D: Die Units: mg/K	esel Rango (g	e Organics	Qual

Qualifiers:

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

GHD Midland

Jackson B 55

Sample ID: 2111126-021AMSD

Client:

Project:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

SampType: MSD

Batch	ID: 637	756	F	RunNo: 8 2	2622				
Analysis Da	ate: 11	/5/2021	S	SeqNo: 29	934280	Units: mg/K	g		
Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
46	9.8	49.07	0	92.9	39.3	155	4.02	23.4	
3.2		4.907		65.3	70	130	0	0	S
SampT	ype: LC	S	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Batch	ID: 637	756	F	RunNo: 8 2	2622				
Analysis Da	ate: 11	/5/2021	5	SeqNo: 29	934322	Units: mg/K	g		
Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
47	10	50.00	0	93.4	68.9	135			
4.4		5.000		87.6	70	130			
SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Batch	ID: 637	756	F	RunNo: 8 2	2622				
Analysis D	ate: 11	/5/2021	S	SeqNo: 29	934324	Units: mg/K	g		
Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
ND	10								
ND	50								
9.0		10.00		90.5	70	130			
	Analysis D Result 46 3.2 SampT Batch Analysis D Result 47 4.4 SampT Batch Analysis D Result ND ND	Analysis Date: 11 Result PQL 46 9.8 3.2 3.2 SampType: LC Batch ID: 637 Analysis Date: 11 Result PQL 47 10 4.4 4.4 SampType: ME Batch ID: 637 Analysis Date: 11 Result PQL Analysis Date: 11 Result PQL ND 10 ND 10 ND 50	46 9.8 49.07 3.2 4.907 3.2 4.907 SampType: LCS Batch ID: 63756 Analysis Date: 11/5/2021 Result PQL SPK value 47 10 50.00 4.4 5.000 SampType: MBLK Batch ID: 63756 Analysis Date: 11/5/2021 Result PQL SPK value SPK value ND 10 ND 50	Analysis Date: $III/S/2021$ SPK Ref Value Result PQL SPK value SPK Ref Value 46 9.8 49.07 0 3.2 49.07 0 3.2 44.907 5 Batch ID: 3756 Fes Analysis Date: $III/S/2021$ SPK Ref Value Analysis Date: $III/S/2021$ SPK Ref Value Result PQL SPK value SPK Ref Value 47 10 50.00 0 43 50.00 0 6 SampType: $IIII/S2021$ SPK Ref Value SPK Ref Value SampType: $IIII/S2021$ SPK SPK Analysis Date: $III/S2021$ SPK SPK SampType: $IIII/S2021$ SPK SPK Analysis Date: $III/S2021$ SPK SPK Analysis Date: $III/S2021$ SPK SPK Result PQL SPK value SPK value ND 10 III/S2021 SPK ND 50 IIII/S2021 <td>Analysis Dite: 1 1 5 / 2021 SeqNo: 2 Result PQL SPK value SPK Ref Val % REC 46 9.8 49.07 0 92.9 3.2 4.907 0 92.9 3.2 4.907 55.3 SampType: LUS TestCode: End Batch ID: 63750 RunNo: 8 Analysis Dite: 15/2021 SeqNo: 2 Result PQL SPK value SPK Ref Val % REC 47 10 50.00 93.4 4.4 5.000 93.4 Analysis Dite: SPK value SPK Ref Val % REC SampType: MELK TestCode: End Batch ID: 63.75 8.1 Analysis Dite: SPK value SPK Ref Val % REC Analysis Dite: SPK value SPK Ref Val % REC Result PQL SPK value SPK Ref Val % REC ND 10 50 50 50 50</td> <td>Analysis Dist: $1 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\$</td> <td>Analysis Date: 11/5/2021 SeqNo: 293 Units: mg/k Result PQL SPK value SPK Ref Val %REC LowLinit HighLinit 46 9.8 49.07 0 92.9 39.3 155 3.2 4.907 0 92.9 39.3 155 SampTye: LC: 4.907 65.3 70 130 SampTye: LC: TestCode: EVENtedeetteetteetteetteetteetteetteetteett</td> <td>Analysis Det::::::::::::::::::::::::::::::::::::</td> <td>Analysis Diric 11/2 SPK Value SPK Ref Val %Ref Val ker Val ke</td>	Analysis Dite: 1 1 5 / 2021 SeqNo: 2 Result PQL SPK value SPK Ref Val % REC 46 9.8 49.07 0 92.9 3.2 4.907 0 92.9 3.2 4.907 55.3 SampType: LUS TestCode: End Batch ID: 63750 RunNo: 8 Analysis Dite: 15/2021 SeqNo: 2 Result PQL SPK value SPK Ref Val % REC 47 10 50.00 93.4 4.4 5.000 93.4 Analysis Dite: SPK value SPK Ref Val % REC SampType: MELK TestCode: End Batch ID: 63.75 8.1 Analysis Dite: SPK value SPK Ref Val % REC Analysis Dite: SPK value SPK Ref Val % REC Result PQL SPK value SPK Ref Val % REC ND 10 50 50 50 50	Analysis Dist: $1 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ $	Analysis Date: 11/5/2021 SeqNo: 293 Units: mg/k Result PQL SPK value SPK Ref Val %REC LowLinit HighLinit 46 9.8 49.07 0 92.9 39.3 155 3.2 4.907 0 92.9 39.3 155 SampTye: LC: 4.907 65.3 70 130 SampTye: LC: TestCode: EVENtedeetteetteetteetteetteetteetteetteett	Analysis Det::::::::::::::::::::::::::::::::::::	Analysis Diric 11/2 SPK Value SPK Ref Val %Ref Val ker Val ke

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

Qualifiers:

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- 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
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Page 36 of 42

WO#: 2111126 11-Nov-21

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: GHD Mi Project: Jackson I									
Sample ID: mb-63721	SampType: M	BLK	Test	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID: PBS	Batch ID: 63	721	R	RunNo: 82606					
Prep Date: 11/3/2021	Analysis Date: 1	1/4/2021	S	eqNo: 2	931910	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO) Surr: BFB	ND 5.0 1000	1000		103	70	130			
Sample ID: mb-63726	SampType: MI	BLK	Test	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID: PBS	Batch ID: 63	726	R	tunNo: 8 2	2606				
Prep Date: 11/3/2021	Analysis Date: 1	1/4/2021	S	eqNo: 2	931911	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO) Surr: BFB	ND 5.0 960	1000		95.9	70	130			
Sample ID: Ics-63721	SampType: LC	s	Test	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID: LCSS	Batch ID: 63	721	R	tunNo: 8 2	2606				
Prep Date: 11/3/2021	Analysis Date: 1	1/4/2021	S	eqNo: 2	931912	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28 5.0	25.00	0	113	78.6	131			
Surr: BFB	1200	1000		123	70	130			
Sample ID: Ics-63726	SampType: LC	s	Test	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID: LCSS	Batch ID: 63	726	R	tunNo: 8 2	2606				
Prep Date: 11/3/2021	Analysis Date: 1	1/4/2021	S	eqNo: 2	931913	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27 5.0	25.00	0	106	78.6	131			
Surr: BFB	1100	1000		114	70	130			
Sample ID: 2111126-004ams	SampType: M	S	Test	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID: BH-4	Batch ID: 63	726	R	tunNo: 8 2	2606				
Prep Date: 11/3/2021	Analysis Date: 1	1/4/2021	S	eqNo: 2	931915	Units: mg/K	g		
Analyte	Result PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28 4.8	24.18	0	116 115	61.3	114 120			S
Surr: BFB	1100	967.1		115	70	130			
Sample ID: 2111126-004amsc	SampType: M	SD	Test	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID: BH-4	Batch ID: 63	726	R	tunNo: 8 2	2606				
Prep Date: 11/3/2021	Analysis Date: 1	1/4/2021	S	eqNo: 2	931917	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

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

RL Reporting Limit

2111126

11-Nov-21

WO#:

GHD Midland

Client:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Analyte detected in the associated Method Blank

Analyte detected below quantitation limits

Value above quantitation range

Sample pH Not In Range

Reporting Limit

Project:	Jackson B										
Sample ID:	2111126-004amsd	SampT	ype: MS	SD	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID:	BH-4	Batch	n ID: 63	726	F	RunNo: 82606					
Prep Date:	11/3/2021	Analysis D	ate: 11	/4/2021	S	SeqNo: 2	931917	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
-	e Organics (GRO)	27	4.8	24.25	0	111	61.3	114	4.68	20	
Surr: BFB		1100		969.9		116	70	130	0	0	
Sample ID:	mb-63739	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID:	PBS	Batch	n ID: 63	739	F	RunNo: 8	2607				
Prep Date:	11/3/2021	Analysis D	ate: 11	/4/2021	S	SeqNo: 2	932036	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	ND	5.0								
Surr: BFB		980		1000		98.5	70	130			
Sample ID:	lcs-63739	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	е	
Client ID:	LCSS	Batch	n ID: 63	739	F	RunNo: 8	2607				
Prep Date:	11/3/2021	Analysis D	ate: 11	/4/2021	S	SeqNo: 2	932037	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
-	e Organics (GRO)	24	5.0	25.00	0	97.0	78.6	131			
Surr: BFB		1100		1000		113	70	130			
Sample ID:	2111126-024ams	SampT	ype: MS	6	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID:	BH-24	Batch	n ID: 63	739	F	RunNo: 8	2607				
Prep Date:	11/3/2021	Analysis D	ate: 11	/4/2021	S	SeqNo: 2	932041	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
-	e Organics (GRO)	24	4.9	24.44	0	100	61.3	114			
Surr: BFB		1100		977.5		115	70	130			
Sample ID:	2111126-024amsd	SampT	уре: МS	SD	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID:	BH-24	Batch	n ID: 63	739	F	RunNo: 8	2607				
Prep Date:	11/3/2021	Analysis D	ate: 11	/4/2021	S	SeqNo: 2	932042	Units: mg/K	íg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
	e Organics (GRO)	26	4.9	24.37	0	105	61.3	114	4.47	20	
Surr: BFB		1100		974.7		114	70	130	0	0	
Sample ID:	MB-63765	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID:	PBS	Batch	n ID: 63	765	F	RunNo: 8	2648		-		
Prep Date:	11/4/2021	Analysis D	ate: 11	/6/2021	S	SeqNo: 2	933643	Units: %Red	C		

SPK value SPK Ref Val %REC LowLimit

в

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J

Р

RL

Qualifiers:

Analyte

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

ND Not Detected at the Reporting Limit

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

Released to Imaging: 4/18/2022 10:06:55 AM

Result

PQL

Page 38 of 42

RPDLimit

Qual

%RPD

HighLimit

Page 117 of 164

WO#:	2111126

11-Nov-21

	HD Midland ekson B 55			
Sample ID: MB-63765	SampType: MBLK	TestCode: EPA Method	8015D: Gasoline Range	
Client ID: PBS	Batch ID: 63765	RunNo: 82648		
Prep Date: 11/4/2021	Analysis Date: 11/6/2021	SeqNo: 2933643	Units: %Rec	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Surr: BFB	960 1000	95.8 70	130	
Sample ID: LCS-63765	SampType: LCS	TestCode: EPA Method	8015D: Gasoline Range	
Client ID: LCSS	Batch ID: 63765	RunNo: 82648		
Prep Date: 11/4/2021	Analysis Date: 11/6/2021	SeqNo: 2933644	Units: %Rec	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Surr: BFB	1100 1000	109 70	130	

Qualifiers:

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

WO#: 2111126 11-Nov-21

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

	GHD Midland Jackson B 55									
Sample ID: mb-6372	21 Samp	Type: ME	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Bato	ch ID: 63	721	F	RunNo: 8	2606				
Prep Date: 11/3/20	21 Analysis	Date: 11	1/4/2021	S	SeqNo: 2	931958	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-Bromofluoroben	zene 1.1		1.000		108	70	130			
Sample ID: mb-6372	26 Samp	Type: ME	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Bato	ch ID: 63	726	F	RunNo: 8	2606				
Prep Date: 11/3/20	21 Analysis	Date: 11	/4/2021	S	SeqNo: 2	931959	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-Bromofluoroben	zene 1.0		1.000		102	70	130			
Sample ID: Ics-6372	1 Samp	Type: LC	S	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSS	Bato	ch ID: 63	721	F	RunNo: 8	2606				
Prep Date: 11/3/20	21 Analysis	Date: 11	1/4/2021	S	SeqNo: 2	931960	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.025	1.000	0	92.4	80	120			
Toluene	0.94	0.050	1.000	0	93.6	80	120			
Ethylbenzene	0.96	0.050	1.000	0	96.1	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.2	80	120			
Surr: 4-Bromofluoroben	zene 1.1		1.000		110	70	130			
Sample ID: Ics-6372	6 Samp	Type: LC	S	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSS	Bato	ch ID: 63	726	F	RunNo: 8	2606				
Prep Date: 11/3/20	21 Analysis	Date: 11	1/4/2021	S	SeqNo: 2	931961	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	92.9	80	120			
Toluene	0.98	0.050	1.000	0	97.6	80	120			
Ethylbenzene	0.97	0.050	1.000	0	97.0	80	120			
Xylenes, Total	3.0	0.10	3.000	0	98.4	80	120			
Surr: 4-Bromofluoroben	zene 1.0		1.000		103	70	130			

Qualifiers:

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

2111126

11-Nov-21

WO#:

GHD Midland

Jackson B 55

Client:

Project:

Client ID: BH-5

Sample ID: 2111126-005ams

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

SampType: MS

Batch ID: 63726

1.0

Prep Date: 11/3/2021	Analysis [Date: 11	/4/2021	S	SeqNo: 2	931963	Units: mg/k	٤g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	0.9930	0	105	80	120			
Toluene	1.1	0.050	0.9930	0	107	80	120			
Ethylbenzene	1.1	0.050	0.9930	0	110	80	120			
Xylenes, Total	3.3	0.099	2.979	0	111	80	120			
Surr: 4-Bromofluorobenzene	1.1		0.9930		107	70	130			
Sample ID: 2111126-005amsd	I Samp	Гуре: М\$	SD	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: BH-5	Batc	h ID: 63	726	F	RunNo: 8	2606				
Prep Date: 11/3/2021	Analysis I	Date: 11	/4/2021	S	SeqNo: 2	931965	Units: mg/k	٤g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	0.9960	0	104	80	120	0.987	20	
Toluene	1.1	0.050	0.9960	0	107	80	120	0.353	20	
Ethylbenzene	1.1	0.050	0.9960	0	111	80	120	1.50	20	
Xylenes, Total	3.4	0.10	2.988	0	113	80	120	1.84	20	
Surr: 4-Bromofluorobenzene	1.0		0.9960		105	70	130	0	0	
Sample ID: mb-63739	Samp	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: PBS	Batc	h ID: 63	739	F	RunNo: 8	2607				
Prep Date: 11/3/2021	Analysis [Date: 11	1/4/2021	S	SeqNo: 2	932112	Units: mg/K	٤g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		99.8	70	130			
Sample ID: LCS-63739	Samp	Гуре: LC	S	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: LCSS	Batc	h ID: 63	739	F	RunNo: 8	2607				
Prep Date: 11/3/2021	Analysis [Date: 11	1/4/2021	S	SeqNo: 2	932114	Units: mg/k	ζg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.82	0.025	1.000	0	81.6	80	120			
Toluene	0.85	0.050	1.000	0	85.4	80	120			
Ethylbenzene						~~	100			
-	0.87	0.050	1.000	0	86.8	80	120			
Xylenes, Total	0.87 2.6	0.050 0.10	1.000 3.000	0	86.8 86.9	80 80	120 120			

TestCode: EPA Method 8021B: Volatiles

RunNo: 82606

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit ND PQL Practical Quanitative Limit

Surr: 4-Bromofluorobenzene

- % Recovery outside of range due to dilution or matrix interference S
- в Analyte detected in the associated Method Blank

103

70

130

- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range

RL Reporting Limit

1.000

Page 41 of 42

WO#: 2111126

11-Nov-21

GHD Midland Jackson B 55

Client:

Project:

Client ID:

Analyte

Sample ID: 2111126-025ams

BH-25

Prep Date: 11/3/2021

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Result

SampType: MS

Batch ID: 63739

Analysis Date: 11/4/2021

PQL

Benzene	0.83	0.024	0.9625	0	86.1	80	120			
Toluene	0.86	0.048	0.9625	0	89.8	80	120			
Ethylbenzene	0.89	0.048	0.9625	0	92.8	80	120			
Xylenes, Total	2.7	0.096	2.887	0	93.0	80	120			
Surr: 4-Bromofluorobenzene	0.98		0.9625		102	70	130			
Sample ID: 2111126-025amsd	I Samp	Гуре: МS	SD	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: BH-25	Batc	h ID: 63	739	F	RunNo: 8	2607				
Prep Date: 11/3/2021	Analysis [Date: 11	1/4/2021	S	SeqNo: 2	932121	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.81	0.024	0.9662	0	83.6	80	120	2.61	20	
Toluene	0.85	0.048	0.9662	0	87.8	80	120	1.83	20	
Ethylbenzene	0.87	0.048	0.9662	0	90.4	80	120	2.26	20	
Xylenes, Total	2.6	0.097	2.899	0	90.5	80	120	2.31	20	
Surr: 4-Bromofluorobenzene	0.99		0.9662		102	70	130	0	0	
Sample ID: MB-63765	Samp	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batc	h ID: 63	765	F	RunNo: 8	2648				
Prep Date: 11/4/2021	Analysis [Date: 11	1/6/2021	S	SeqNo: 2	933696	Units: %Rec	:		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.97		1.000		97.5	70	130			

SPK value SPK Ref Val

TestCode: EPA Method 8021B: Volatiles

LowLimit

Units: mg/Kg

%RPD

RPDLimit

HighLimit

RunNo: 82607

%REC

SeqNo: 2932119

Qualifiers:

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

Page 42 of 42

WO#: 2111126

Qual

11-Nov-21

Page	122	of 164

Eccived by OCD: 3/29/2022 9:56:15 AM HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmer TEL: 505-345-3 Website: client.	49(Albuquerq 975 FAX:	1 Hawkin ue, NM 8 505-345-	ns NE 87109 -4107	Sar	nple Log-In Ch	neck List
Client Name: GHD Midland	Work Order Num	ber: 211	126			RcptNo:	1
Received By: Cheyenne Cason	11/3/2021 7:35:00 /	AM		Chem	1		
Completed By: Desiree Dominguez	11/3/2021 8:16:05	AM		T	-		
Reviewed By: DAD 11/03/21				14	N		
Chain of Custody							
1. Is Chain of Custody complete?		Yes	~	No		Not Present	
2. How was the sample delivered?		Cou	ier				
Log In							
3. Was an attempt made to cool the samples?		Yes	~	No		NA 🗌	
4. Were all samples received at a temperature	of >0° C to 6.0°C	Yes		No			
5. Sample(s) in proper container(s)?		Yes		No			
6. Sufficient sample volume for indicated test(s	i)?	Yes	~	No			
7. Are samples (except VOA and ONG) proper	ly 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 🔽	1
10, Were any sample containers received broke	en?	Yes		No	~	# of preserved	/
 Does paperwork match bottle labels? (Note discrepancies on chain of custody) 		Yes	✓	No		bottles checked for pH:	12 unless noted
2. Are matrices correctly identified on Chain of	Custodv?	Yes	V	No		Adjusted?	12 unless noted
3. Is it clear what analyses were requested?	,		V	No		/	
14. Were all holding times able to be met? (If no, notify customer for authorization.)						Checked by:	11.3.21
Special Handling (if applicable)						- In	13/21
15. Was client notified of all discrepancies with	this order?	Yes		No		NA 🔽	
Person Notified:	Data	-		100	-		
By Whom:	Date: Via:			hone	Env		
Regarding:	vid.	eMa	" U P	hone	Fax	In Person	
Client Instructions:					_		
16. Additional remarks:							
17. <u>Cooler Information</u> Cooler No Temp ^o C Condition Si 1 2.4 Good	eal Intact Seal No	Seal Da	te	Signed	Ву		

Client: GHD Mailing Address: 324 W. Main St. Suite 108, Artesia NM 88210 Phone #: (505)377-4218 email or Fax#: <u>Becky.Haskell@ghd.com</u> QA/QC Package: CandardLevel 4 (Full Vali Accreditation: A Compliance Standard Level 4 (Full Vali Accreditation: A Compliance Date Time Matrix Sample Nan Date Time Matrix Sample Nan Accreditation A Compliance	Je dation)	Project Name: Project Name: Project Manager: Becky Haskell Tom Larson Sampler: Zach Colon Ice: X Yes to Coolers: 1 Cooler Temp(including CF): Cooler Temp(including CF): Type and # Type	d I Rush ne: Liscu IS NZZ6309 ager:	5-Deg # 55			A	ANAL		S		YSIS LABORATOR	OR	ea
Mailing Address: 324 W. Main St. Suite 108, Arte Phone #: (505)377-4218 email or Fax#: Becky.Haskell(aA/QC Package: Carteditation: DAz Complian Accreditation: DAz Complian Carteditation: DAz Complian Dated Time Matrix Sal Nexa Vyco S	Je dation)	ame anage # mpp	an 1	# SS							7			
Mailing Address: 324 W. Main St. Suite 108, Arte Phone #: (505)377-4218 email or Fax#: Becky.Haskell(QA/QC Package:	Je dation)	# mpiere	6309	# 55			M	ww.hal	lenviro	nmen				by 00
324 W. Main St. Suite 108, Arte Phone #: (505)377-4218 email or Fax#: Becky.Haskell(QA/QC Package:	Je dation)	anac ***********************************	4		4	4901 Hawkins NE -	awkins	NE -		Inerqu	Albuquerque, NM 87109	87109		C D: 3
(505)377- Becky.Ha D Az Con	ame Validation)	# mpour	4			Tel. 50	505-345-3975	3975	Fax		505-345-4107	107		3/29/
Becky.Ha	ame	anage ana						A	Analysis	s Req	Request			202
□ Az Con □ Other & &	4 (Full Validation)	http://www.ars:			-	10			[†] O			00		2 9:
ndard AC D Az Con AC D Other O (Type) Time Matrix	4 (Full Validation)	# mpe					21	CIA	S '*(-	5		56:
Itiation: Az Co AC Other O (Type) Other D (Type) Atrix Time Matrix Hucs A Hucs A	ole Name	# who					1150		ЪС		Atr	67		15 A
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Time Matrix 14co S			X Yes I	O No	_	_			V '8	(AC	n9)	N		
Time Matrix 1460 S 1460 I	ample Name 34-1	Cooler Templin Container Type and #	_								шı	0		
Time Matrix 1400 3 1410	ample Name 34-1		2	4-02 2.4					_		ofilo	77.		
Huce S Huce S	34-1 RU-3	11	Preservative Type	ALLIJO	NX3T8	08:H9T 99 1808	EDB (W	а енач 3 аяря	Cl' E' E	V) 0728 2) 0728	Total Co	כדאסת		
14-55-11 1410	R11.7	550		100-	8						8			
	2110	1		-003	1				-	_				_
	011-3			- 003										
1415 1 13	13H.4			100-						12				
	DLI-5			-005										
	1321-6			-006					_	-				
1430	L-1721			200-	_					_				
1435 T	134-8			- 008				_		_	_			-
1440	134-9			- 009						_	-			-
	13'H-10			- 010			_		_	_				_
1450	11-11			-011			-		_			_		_
SI + SSHI	21-12	4		-013-	4 4						*			
Date: Time: Relinquished by:	1 1 1	Received by:	Via:	F	Re	Remarks: Please Tom Larson	: Pleas	se ema	mahd com 7	Se Se	ettle@e	ks: Please email: Chase_Settle@eogresources.com; om 1 arson@chd com: Zach Comino@chd com	ces.col	'n;
Date: Time: Relinquished by:	enter MUL	Received by:	Via:	Date Time	~	Matthe	w.Lau	ghling	ghd.co	om: Al	iw guo	Matthew Laughlin@ghd.com: Along with Becky Haskell	laskell	1
21 BDD		m	and and	7				irect E	ill to E	to EOG Cha	Direct Bill to EOG Chase Settle	ettle		Page 1

Client: GHD ZDS Mailing Address:	[<				
		Rush S-Jey		ANALYSIS	ANALYSIS LABORATORY	1
		0	WM	www.hallenvironmental.com	tal.com	
	Juckson B	# SS	4901 Hawkins NE		Albuquerque, NM 87109	C D: 3
324 W. Main St. Suite 108, Artesia NM 88210			Tel. 505-345-3975	- 1	Fax 505-345-4107	5/ 2 9/
Phone #: (505)377-4218	11226309			Analysis Request		202
email or Fax#: Becky.Haskell@ghd.com Proje	Project Manager:		_	[*] 0	(ju GÖ	
QA/QC Package: Beck	Becky Haskell		ЯM 8'8			
Standard Level 4 (Full Validation) Tom	Tom Larson		bC SO V		67	
on: 🗆 Az Compliance	Sampler: Zach Comino		7 DF 2803 (1.1)	10 ⁵		
	X Yes	🗆 No	05 8/s	3 [,] 1		
EDD (Type) # of	# of Coolers: {		ID) abi: bc	ital ()	_	
Cool	Cooler Temp(including CF): 2, 4	-0224	dðr etho	8 Mé 81, 1		
Date Time Matrix Sample Name Type	Container Preservative Type and # Type	HEAL No.	/ X∃T8 08:H9 08:H9 08 (M 08 (M 02 08 (M	3270 (S 3260 (V 3260 (V	otal Co	
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Relinquished by:	Received by: Via:	Date Time	Remarks: Pleas	Remarks: Please email: Chase_S	Settle@eogresources.com;	om;
1 0800 Zel lowing Mill	WILLIAN	12 11 BOO	Tom.Larso Matthew.Laug	n@ghd.com; Zac Jhlin@ghd.com: A	Tom.Larson@ghd.com; Zach.Comino@ghd.com Matthew.Laughlin@ghd.com: Along with Becky Haskell	
A B I I I V	° \	(113/20 0735	D	listed above. Direct Bill to EOG Chase Settle	/e. thase Settle	Page 1

Released to Imaging: 4/18/2022 10:06:55 AM



November 11, 2021

Tom Larson GHD Midland 2135 S Loop 250 W Midland, TX 79703 TEL: (432) 686-0086 FAX: Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

RE: Jackson B 55

OrderNo.: 2111224

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 3 sample(s) on 11/4/2021 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

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2111224

Date Reported: 11/11/2021

CLIENT: GHD Midland		Cl	ient Sample II	D: NI	3H-1	
Project: Jackson B 55		(Collection Dat	e: 11	/2/2021 7:45:00 AM	
Lab ID: 2111224-001	Matrix: SOIL		Received Dat	e: 11	/4/2021 7:44:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	73	60	mg/Kg	20	11/6/2021 3:36:31 PM	63796
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	11/8/2021 2:17:41 PM	63789
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	11/8/2021 2:17:41 PM	63789
Surr: DNOP	98.4	70-130	%Rec	1	11/8/2021 2:17:41 PM	63789
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	11/6/2021 4:36:32 AM	63765
Surr: BFB	97.9	70-130	%Rec	1	11/6/2021 4:36:32 AM	63765
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	11/6/2021 4:36:32 AM	63765
Toluene	ND	0.050	mg/Kg	1	11/6/2021 4:36:32 AM	63765
Ethylbenzene	ND	0.050	mg/Kg	1	11/6/2021 4:36:32 AM	63765
Xylenes, Total	ND	0.10	mg/Kg	1	11/6/2021 4:36:32 AM	63765
Surr: 4-Bromofluorobenzene	97.9	70-130	%Rec	1	11/6/2021 4:36:32 AM	63765

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

Qualifiers:

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

Page 1 of 7

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2111224

Date Reported: 11/11/2021

CLIENT: GHD Midland		Cl	ient Sample II): NS	SW-1	
Project: Jackson B 55		(Collection Date	e: 11/	/2/2021 8:00:00 AM	
Lab ID: 2111224-002	Matrix: SOIL		Received Date	e: 11/	/4/2021 7:44:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	ND	60	mg/Kg	20	11/6/2021 3:48:54 PM	63796
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	11/8/2021 2:31:11 PM	63789
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	11/8/2021 2:31:11 PM	63789
Surr: DNOP	88.2	70-130	%Rec	1	11/8/2021 2:31:11 PM	63789
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	11/6/2021 5:46:46 AM	63765
Surr: BFB	100	70-130	%Rec	1	11/6/2021 5:46:46 AM	63765
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	11/6/2021 5:46:46 AM	63765
Toluene	ND	0.048	mg/Kg	1	11/6/2021 5:46:46 AM	63765
Ethylbenzene	ND	0.048	mg/Kg	1	11/6/2021 5:46:46 AM	63765
Xylenes, Total	ND	0.096	mg/Kg	1	11/6/2021 5:46:46 AM	63765
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	1	11/6/2021 5:46:46 AM	63765

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

Qualifiers:

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

Page 2 of 7

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2111224

Date Reported: 11/11/2021

CLIENT: GHD Midland		Cl	ient Sample II	D: NS	SW-2	
Project: Jackson B 55		(Collection Dat	e: 11,	/2/2021 8:15:00 AM	
Lab ID: 2111224-003	Matrix: SOIL		Received Dat	e: 11	/4/2021 7:44:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	ND	60	mg/Kg	20	11/6/2021 4:01:15 PM	63796
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	11/8/2021 2:44:51 PM	63789
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	11/8/2021 2:44:51 PM	63789
Surr: DNOP	90.1	70-130	%Rec	1	11/8/2021 2:44:51 PM	63789
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	11/6/2021 6:57:00 AM	63765
Surr: BFB	100	70-130	%Rec	1	11/6/2021 6:57:00 AM	63765
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	11/6/2021 6:57:00 AM	63765
Toluene	ND	0.050	mg/Kg	1	11/6/2021 6:57:00 AM	63765
Ethylbenzene	ND	0.050	mg/Kg	1	11/6/2021 6:57:00 AM	63765
Xylenes, Total	ND	0.10	mg/Kg	1	11/6/2021 6:57:00 AM	63765
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	1	11/6/2021 6:57:00 AM	63765

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

Qualifiers:

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

Page 3 of 7

Client: Project:	GHD Midland Jackson B 55									
Sample ID: MB-6	3796 Samp	Type: m	blk	Tes	tCode: EF	PA Method	300.0: Anion	S		
Client ID: PBS	Bat	ch ID: 63	796	F	RunNo: 82	2658				
Prep Date: 11/5	Analysis	Date: 1	1/6/2021	S	SeqNo: 29	934243	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								
Sample ID: LCS-	63796 Samp	Type: Ic:	6	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID: LCSS	Bat	ch ID: 63	796	F	RunNo: 82	2658				
Prep Date: 11/5	Analysis	Date: 1	1/6/2021	S	SeqNo: 29	34244	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.0	90	110			

Qualifiers:

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

WO#: 2111224 11-Nov-21

Client: GHD M Project: Jackson										
Project: Jackson	р 33									
Sample ID: MB-63789	SampT	ype: ME	BLK	TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS Batch ID: 63789			F	unNo: 82	2690					
Prep Date: 11/5/2021	Analysis D	0ate: 11	1/8/2021	S	eqNo: 2	936051	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.8		10.00		88.4	70	130			
Sample ID: LCS-63789	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batcl	n ID: 63	789	F	unNo: 82	2690				
Prep Date: 11/5/2021	Analysis D	0ate: 1 1	1/8/2021	S	eqNo: 29	936052	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	95.7	68.9	135			
Surr: DNOP	4.6		5.000		91.7	70	130			

Qualifiers:

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

2111224

11-Nov-21

WO#:

Analyte detected below quantitation limits

QC SUMMARY REPORT Hall Environmental Analysis Laboratory. Inc

Hall Env	vironmenta	al Analy	SIS I	Laborat	ory, Inc.						11-Nov-2
Client: Project:	GHD Mic Jackson E										
Sample ID:	MB-63765	SampTy	/pe: M	BLK	Tes	tCode: El	PA Method	8015D: Gasc	line Rang	e	
Client ID: F	PBS	Batch	ID: 63	765	F	tunNo: 8 2	2648				
Prep Date:	11/4/2021	Analysis Da	ate: 1 1	1/6/2021	S	eqNo: 2	933643	Units: mg/#	٢g		
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		95.8	70	130			
Sample ID: L	_CS-63765	SampTy	/pe: LC	s	Tes	tCode: El	PA Method	8015D: Gasc	line Rang	e	
Client ID:	_CSS	Batch	ID: 63	765	F	unNo: 8	2648				
Prep Date:	11/4/2021	Analysis Da	ate: 1 1	1/6/2021	S	eqNo: 2	933644	Units: mg/#	۲g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range	Organics (GRO)	22	5.0	25.00	0	88.9	78.6	131			
Surr: BFB		1100		1000		109	70	130			
Sample ID: 2	2111224-001ams	SampTy	/pe: M \$	3	Tes	tCode: El	PA Method	8015D: Gasc	line Rang	e	
Client ID:	NBH-1	Batch	ID: 63	765	F	unNo: 8	2648				
Prep Date:	11/4/2021	Analysis Da	ate: 1 ′	1/6/2021	S	eqNo: 2	933646	Units: mg/#	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range	Organics (GRO)	24	5.0	24.98	0	96.1	61.3	114			
Surr: BFB		1100		999.0		113	70	130			
Sample ID: 2	2111224-001amsd	SampTy	/pe: M \$	SD	Tes	tCode: El	PA Method	8015D: Gasc	line Rang	e	
Client ID:	NBH-1	Batch	ID: 63	765	F	tunNo: 8 2	2648				
Prep Date:	11/4/2021	Analysis Da	ate: 1 1	1/6/2021	S	eqNo: 2	933647	Units: mg/#	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range	Organics (GRO)	23	5.0	24.95	0	93.2	61.3	114	3.14	20	
Surr: BFB		1100		998.0		111	70	130	0	0	
Sample ID: r	nb	SampTy	/pe: M	BLK	Tes	tCode: El	PA Method	8015D: Gasc	line Rang	e	
Client ID: F	PBS	Batch	ID: G8	32709	F	unNo: 8	2709				

Client ID: PBS SeqNo: 2936419 Prep Date: Analysis Date: 11/9/2021 Units: %Rec Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Surr: BFB 980 1000 97.9 70 130

Sample ID: 2.5ug gro Ics SampType: LCS			Test	tCode: EF	PA Method	8015D: Gasol	ine Range	9	
Client ID: LCSS	Batch ID: G8	2709	R	unNo: 82	2709				
Prep Date:	Analysis Date: 11	/9/2021	S	eqNo: 29	936420	Units: %Rec			
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100	1000		112	70	130			

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit ND

PQL Practical Quanitative Limit

- % Recovery outside of range due to dilution or matrix interference S
- в Analyte detected in the associated Method Blank

Е Value above quantitation range

J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit Page 6 of 7

2111224

WO#:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#:	2111224
	11

11-Nov-21

Client:	GHD Mi	dland									
Project:	Jackson H										
	Juckson										
Sample ID:	MB-63765	Samp ⁻	Type: ME	BLK	TestCode: EPA Method 8021B: Volatiles						
Client ID:	PBS	Batc	h ID: 63	765	RunNo: 82648						
Prep Date:	11/4/2021	Analysis [Date: 11	/6/2021	S	SeqNo: 29	933696	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-Brom	ofluorobenzene	0.97		1.000		97.5	70	130			
Sample ID:	lcs-63765	Samp	Type: LC	S	Tes	tCode: EF	PA Method	8021B: Volat	iles		
Client ID:	LCSS	Batc	h ID: 63	765	F	RunNo: 82	2709				
Prep Date:	11/4/2021	Analysis [Date: 11	/9/2021	S	SeqNo: 29	936451	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.91	0.025	1.000	0	91.5	80	120			
Toluene		0.93	0.050	1.000	0	93.0	80	120			
Ethylbenzene		0.93	0.050	1.000	0	93.0	80	120			
Xylenes, Total		2.8	0.10	3.000	0	92.9	80	120			
Surr: 4-Brom	ofluorobenzene	1.0		1.000		101	70	130			
Sample ID:	2111224-002ams	Samp ⁻	Туре: МS	6	Tes	tCode: EF	PA Method	8021B: Volat	iles		
Client ID:	NSW-1	Batc	h ID: 63	765	RunNo: 82709						
Prep Date:	11/4/2021	Analysis [Date: 11	1/9/2021	S	SeqNo: 29	936452	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.70	0.024	0.9615	0	72.5	80	120			S
Toluene		0.78	0.048	0.9615	0	81.1	80	120			
Ethylbenzene		0.81	0.048	0.9615	0	84.4	80	120			
Xylenes, Total		2.4	0.096	2.885	0	83.9	80	120			
Surr: 4-Brom	ofluorobenzene	0.98		0.9615		102	70	130			
Sample ID:	2111224-002amsc	I Samp	Туре: МS	SD	Tes	tCode: EF	PA Method	8021B: Volat	iles		
Client ID:	NSW-1	Batc	h ID: 63	765	F	RunNo: 8 2	2709				
Prep Date:	11/4/2021	Analysis [Date: 11	1/9/2021	S	SeqNo: 29	936453	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.72	0.024	0.9606	0	74.6	80	120	2.81	20	S
Toluene		0.76	0.048	0.9606	0	78.9	80	120	2.87	20	S
Ethylbenzene		0.79	0.048	0.9606	0	81.8	80	120	3.27	20	
Xylenes, Total		2.4	0.096	2.882	0	81.7	80	120	2.79	20	
Surr: 4-Brom	ofluorobenzene	0.96		0.9606		99.5	70	130	0	0	

Qualifiers:

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

.

	Client Name: GHD Midland			ALYSIS Albuquerque, NM 8710 BORATORY TEL: 505-345-3975 FAX: 505-345-410 Website: clients.hallenvironmental.com				87109 Sa	Page Sample Log-In Check List				
Clien	nt Name:	GHD Midla	and	Work	Order Nun	nber: 211	1224		RcptNo: 1				
Recei	ived By:	Cheyenn	e Cason	11/4/20	21 7:44:00	AM		chent					
Comp	pleted By:	Sean Liv	ingston	11/4/20	21 8:30:43	AM		<	Inote				
Revie	wed By:	Chc	_	11/4/4	,)~l	-1Jot				
Chair	n of Cus	stody											
1. Is (Chain of C	ustody comp	olete?			Yes		No 🗌	Not Present				
2. Hov	w was the	sample deli	vered?			Cou	rier						
Log							_						
S. vva	is an atten	npt made to	cool the samp	ples?		Yes	\checkmark	No 🗌					
4. Wei	re all sam	ples received	d at a tempera	ature of >0° C t	o 6.0°C	Yes		No 🗌					
5. San	mple(s) in	proper conta	iner(s)?			Yes		No 🗌					
6. Suff	ficient sam	nple volume	for indicated t	test(s)?		Yes	\checkmark	No 🗌					
7. Are	samples (except VOA	and ONG) pr	operly preserve	d?	Yes	\checkmark	No 🗌					
8. Was	s preserva	tive added to	bottles?			Yes		No 🔽	NA 🗌				
9. Rec	eived at le	east 1 vial wit	th headspace	<1/4" for AQ V	OA?	Yes		No 🗌	NA 🔽				
10. Wei	re any sar	mple contain	ers received b	oroken?		Yes		No 🔽	# of preserved	/			
		ork match bo ancies on chi	ttle labels? ain of custody	/)		Yes		No 🗌	bottles checked for pH: (<2 or >12 unle	ess noted)			
				in of Custody?		Yes		No 🗆	Adjusted?	ice noted)			
			ere requested	1?		Yes	V	No 🗌					
14. Were (If no	e all holdino, notify cu	ng times able ustomer for a	e to be met? authorization.))		Yes		No 🗌	Checked by: TML 1	1/4/21			
Specia	l Handl	ing (if app	olicable)					1					
15. Was	s client no	tified of all d	iscrepancies	with this order?		Yes		No 🗌	NA 🗹				
		Notified:	1		Date	1			6				
	By Who	2.5			Via:	🗌 eMa	ail 🗌 P	hone 🗌 Fax	In Person				
	Regardi Client Ir	ing: nstructions:											
16. Add	ditional rer	marks:											
17. Cod	oler Infor	mation											
	Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Da	ate	Signed By	1				
1 2		1.6 0.1	Good Good										

Page 1 of 1



November 29, 2021

Becky Haskell GHD Midland 2135 S Loop 250 W Midland, TX 79703 TEL: (432) 686-0086 FAX: Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

OrderNo.: 2111926

RE: Jackson B 55

Dear Becky Haskell:

Hall Environmental Analysis Laboratory received 1 sample(s) on 11/18/2021 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

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2111926

Date Reported: 11/29/2021

CLIENT: GHD Midland	Client Sample ID: BH-11A Collection Date: 11/16/2021 10:45:00 AM									
Project: Jackson B 55										
Lab ID: 2111926-001	Matrix: SOIL	Received Date: 11/18/2021 8:45:00 AM								
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch				
EPA METHOD 300.0: ANIONS					Analyst:	ЈМТ				
Chloride	510	60	mg/Kg	20	11/23/2021 10:26:14 AM	64122				
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst:	SB				
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	11/22/2021 12:22:39 PM	64083				
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	11/22/2021 12:22:39 PM	64083				
Surr: DNOP	98.7	70-130	%Rec	1	11/22/2021 12:22:39 PM	64083				
EPA METHOD 8015D: GASOLINE RANGE					Analyst:	NSB				
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	11/22/2021 1:46:53 PM	64057				
Surr: BFB	101	70-130	%Rec	1	11/22/2021 1:46:53 PM	64057				
EPA METHOD 8021B: VOLATILES					Analyst:	NSB				
Benzene	ND	0.024	mg/Kg	1	11/22/2021 1:46:53 PM	64057				
Toluene	ND	0.048	mg/Kg	1	11/22/2021 1:46:53 PM	64057				
Ethylbenzene	ND	0.048	mg/Kg	1	11/22/2021 1:46:53 PM	64057				
Xylenes, Total	ND	0.095	mg/Kg	1	11/22/2021 1:46:53 PM	64057				
Surr: 4-Bromofluorobenzene	100	70-130	%Rec	1	11/22/2021 1:46:53 PM	64057				

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

Qualifiers:

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

Page 1 of 5

Client: Project:		Midland on B 55									
Sample ID: Client ID:		SampTy Batch				tCode: Ef		300.0: Anion	S		
Prep Date:	11/23/2021	Analysis Da	ite: 11	/23/2021	S	SeqNo: 2	951448	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID:	LCS-64122	SampTy	pe: Ics	5	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID:	LCSS	Batch	ID: 64	122	F	RunNo: 8 :	3084				
Prep Date:	11/23/2021	Analysis Da	ite: 11	/23/2021	S	SeqNo: 29	951449	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	90.2	90	110			

Qualifiers:

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

2111926

29-Nov-21

WO#:

GHD Midland

Jackson B 55

Client:

Project:

Analyte

Qualifiers:

D

Н

ND

PQL

S

Relea

Value exceeds Maximum Contaminant Level.

Holding times for preparation or analysis exceeded

% Recovery outside of range due to dilution or matrix interference

Sample Diluted Due to Matrix

Practical Quanitative Limit

Not Detected at the Reporting Limit

Surr: DNOP

Sample ID: LCS-64106

Prep Date: 11/22/2021

Client ID: LCSS

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Result

3.9

SampType: LCS

Batch ID: 64106

Analysis Date: 11/22/2021

PQL

sed	to	Imaging:	4/18/2022	10:06:55 AM

В	Analyte detected	in the	associated	Method	Blank

Б	Analyte detected in the associated Method Diani
E	Value above quantitation range

alue above quantitation range

- J Analyte detected below quantitation limits
 - Р



Page 3 of 5

Sample pH Not In Range

Sample ID: MB-64106	SampTy	pe: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: PBS	Batch	ID: 64	106	F	RunNo: 8	3036				
Prep Date: 11/22/2021	Analysis Da	ite: 11	/22/2021	S	SeqNo: 2	950331	Units: %Re	C		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.6		10.00		86.2	70	130			
Sample ID: 2111926-001AMS	SampTy	pe: MS	3	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: BH-11A	Batch	ID: 64	083	F	RunNo: 8	3036				
Prep Date: 11/22/2021	Analysis Da	ite: 11	/22/2021	S	SeqNo: 2	951293	Units: mg/K	íg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	9.9	49.36	0	89.2	39.3	155			
Surr: DNOP	4.6		4.936		93.5	70	130			
Sample ID: 2111926-001AMS) SampTy	pe: MS	SD	Tes	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: BH-11A	Batch	ID: 64	083	F	RunNo: 8	3036				
Prep Date: 11/22/2021	Analysis Da	ite: 11	1/22/2021	5	SeqNo: 2	951294	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	9.7	48.40	0	87.5	39.3	155	3.88	23.4	
Surr: DNOP	4.2		4.840		87.2	70	130	0	0	

RunNo: 83036

%REC

77.4

SeqNo: 2950330

LowLimit

70

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

Units: %Rec

130

%RPD

RPDLimit

HighLimit

SPK value SPK Ref Val

5.000

WO#:	2111926
	29-Nov-21

Qual

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#:

Page 140 of 164

2111926

29-Nov-21

Client: Project:	GHD Mic Jackson E										
Sample ID: ml	b-64057	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8015D: Gasc	oline Rang	e	
Client ID: PE	BS	Batch	n ID: 640	057	F	RunNo: 8 :	3018				
Prep Date: 1	1/19/2021	Analysis D	ate: 11	/22/2021	S	SeqNo: 29	949226	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range O Surr: BFB	rganics (GRO)	ND 1000	5.0	1000		99.9	70	130			
Sample ID: Ics	s-64057	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8015D: Gasc	line Rang	e	
Client ID: LC	ss	Batch	n ID: 640	057	F	RunNo: 8 ;	3018				
Prep Date: 1	1/19/2021	Analysis D	ate: 11	/22/2021	S	SeqNo: 29	949229	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range O	rganics (GRO)	24	5.0	25.00	0	95.0	78.6	131			
Surr: BFB		1100		1000		113	70	130			
Sample ID: 21	11926-001ams	SampT	ype: MS	6	Tes	tCode: EF	PA Method	8015D: Gaso	oline Rang	e	
Client ID: BH	H-11A	Batch	n ID: 640	057	F	RunNo: 8 :	3018				
Prep Date: 1	1/19/2021	Analysis D	ate: 11	/22/2021	S	SeqNo: 29	949233	Units: mg/k	ζg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range O	rganics (GRO)	22	5.0	24.93	0	87.4	61.3	114			
Surr: BFB		1100		997.0		110	70	130			
Sample ID: 21	11926-001amsd	SampT	ype: MS	SD	Tes	tCode: EF	PA Method	8015D: Gasc	line Rang	e	
Client ID: BH	H-11A	Batch	n ID: 640	057	F	RunNo: 8 ;	3018				
Prep Date: 1	1/19/2021	Analysis D	ate: 11	/22/2021	S	SeqNo: 29	949234	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range O	rganics (GRO)	24	4.8	24.18	0	98.8	61.3	114	9.17	20	
Surr: BFB		1100		967.1		116	70	130	0	0	

Qualifiers:

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

WO#:	2111926
	29-Nov-21

29-Nov-21

Client: GHD M Project: Jacksor										
Sample ID: mb-64057	Samp	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batc	h ID: 64	057	F	RunNo: 8	3018				
Prep Date: 11/19/2021	Analysis [Date: 11	1/22/2021	S	SeqNo: 2	949317	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								
Kylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		100	70	130			
Sample ID: LCS-64057	SampType: LCS TestCode: EPA Method 8021B: Volatiles									
Client ID: LCSS	Batch ID: 64057 RunNo: 83018									
Prep Date: 11/19/2021	Analysis [Date: 11	1/22/2021	5	SeqNo: 2	949318	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	1.000	0	93.7	80	120			
Toluene	0.93	0.050	1.000	0	93.3	80	120			
Ethylbenzene	0.93	0.050	1.000	0	93.0	80	120			
Kylenes, Total	2.8	0.10	3.000	0	92.2	80	120			

Qualifiers:

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

Page 5 of 5

Released to Imaging: 4/18/2022 10:06:55 AM

Page	142	of	<i>164</i>

		ONMENT	56:15 AM	TE	ll Environme L: 505-345 'ebsite: clien	490 Albuquero 3975 FAX:)1 Hawk que. NM 505-34	kins NE (87109 5-4107	Sar	mple Log-In Check	Page 1 List
Clien	nt Name:	GHD Midla	nd	Work	Order Num	ber: 211	1926			RcptNo: 1	
Recei	eived By:	Cheyenne	Cason	11/18/2	021 8:45:0	D AM		ch	l		
Comp	pleted By:	Tracy Cas	arrubias	11/18/2	021 10:52:	49 AM					
Revie	ewed By: S	Sec 11	118/21								
<u>Chail</u>	n of Cust	ody									
1. Is	Chain of Cu	stody comp	lete?			Yes		N	lo 🗌	Not Present	
2. Ho	ow was the s	ample deliv	ered?			Cou	rier				
Log											
3. Wa	as an attemp	ot made to c	cool the samp	les?		Yes		N	io 🗆		
4. We	ere all sampl	es received	at a tempera	ture of >0° C	to 6.0°C	Yes		N	•		
5. Sa	imple(s) in p	roper contai	iner(s)?			Yes		N	•		
6. Suf	fficient samp	le volume f	or indicated te	st(s)?		Yes		N	•		
7. Are	e samples (e	xcept VOA	and ONG) pro	perly preserve	ed?	Yes		N	•		
8. Wa	as preservati	ve added to	bottles?			Yes		No	•		
9. Red	ceived at lea	st 1 vial wit	h headspace ·	<1/4" for AQ \	OA?	Yes		N		NA 🗹	
10. We	ere any sam	ple containe	ers received b	roken?		Yes		N	• 🔽	E.S.S.S.S.S.S.S.S.S.S.S.S.S.S.S.S.S.S.S	/
11 Doe	es paperwor	k match bot	tle labels?			Yes		N	• 🗆	# of preserved bottles checked for pH:	/
			ain of custody)	e i		Tes		INC		(<2 or>12 unles	ss noted)
12. Are	e matrices co	rrectly iden	tified on Chair	of Custody?		Yes	~	No		Adjusted?	
			ere requested	7		Yes	\checkmark	No		INI.	ulia
	ere all holding no, notify cus		to be met? uthorization.)			Yes		No		Checked by:	11/0
Specia	al Handlii	ng (if app	licable)								
15.Wa	as client noti	fied of all di	screpancies w	with this order?	>	Yes		N	•	NA 🔽	
	Person N	lotified:			Date	-					
	By Whon	n:			Via:	eM	ail 🗖	Phone [Fax	In Person	
	Regardin	g:									
	Client Ins	tructions:									
16. Ad	dditional rem	arks:									
	ooler Inform Cooler No	ation Temp ⁰C	Condition	Seal Intact	Seal No	Cool D	ato .	0:	i Du		
1		0.9	Good	Yes	Searing	Seal D	ate	Signed	зву	-	

Page 1 of 1

Client: GHD Marchand Mailing Address: Project Name: Mailing Address: Project Name: 324 W. Main St. Suite 108, Artesia NM 88210 Project #: Phone #: (505)377-4218 email or Fax#: Becky. Haskell@ghd.com DA/OC Packade* Project Manag	ndard 🗆 Rush 5-80		ALL ENVI	HALL ENVIRONMENTAL	eived
s: Suite 108, Artesia NM 88210 (505)377-4218 Becky.Haskell@ghd.com			NTALICA		3
s: Suite 108, Artesia NM 88210 (505)377-4218 Becky.Haskell@ghd.com				ANALTSIS LABORATOR	<u> </u>
. Suite 108, Artesia NM 88210 (505)377-4218 Becky Haskell@ghd.com	Jackson R # 55	4901 Hawkins NF -		environmental.com Albumieraria NM 87100)CD:
(505)377-4218 Becky.Haskell@ghd.com	1 m	Tel 505-345-3075		406, ININ 07 109 6 246 4407	3/29
Becky.Haskell@ghd.com	11-2 21.09		Analysis	200-345-410/ Reduest	0/20
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	Becky Haskell	s,g তম্ব		Q Q Q Q	:56:
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	X Yes 🛛 No	8/Si	N ''		
EUU (1)pe) # of Coolers:	-	epic (GF	etals NO ³	_	
	EITIP(including CF): O.4 -0-2 0.4	151 itse dta	8 M 8 8r, 1 AO		
Date Time Matrix Sample Name Type and #	d # Type 71107C	1 X 3 TEX / 08: H9 08: H9 08 (M 08 (M	570 (S 260 (V 1, F, E		
		8 8	8 2 8	T	+
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Date: Time: Relinquished hv: Doccined h					
040	VI VIA: Date Time	Remarks: Please email: Chase Tom.Larson@ghd.com; Zo	0	arks: Please email: Chase_Settle@eogresources.com; Tom.Larson@ghd.com; Zach.Comino@ghd.com	
Nate: Time: Recipied by: Received by:	Via: N Date	Iviaturew.Laugr	nin@gnd.com: Aloi listed above.	iviaturiew.Laugniin@gna.com: Along with Becky Haskell listed above.	age
W MOD WWW Direct Bill to EOG Chase Settle	COUPEN 1118720 0845	Dir	Direct Bill to EOG Chase Settle	hase Settle	143

Appendix D Approved Form C-138 and Waste Manifests

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Form C-138 Revised August 1, 2011

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 *Surface Waste Management Facility Operator and Generator shall maintain and make this documentation available for Division inspection.

	REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE
	Generator Name and Address: EOG Resources, Inc. 104 South Fourth Street, Artesia, NM 88210
2.	Originating Site: Jackson B 55
3.	Location of Material (Street Address, City, State or ULSTR): Section 12-T17S-R30E, Eddy County, NM
4.	Source and Description of Waste: Soil impacted by produced water and oil
EO	G Resources, Inc. authorizes Lea Land to complete the required testing and sign the Generator Waste Testing Certificate.
	mated Volume 15 yd ³ / bbls Known Volume (to be entered by the operator at the end of the haul) yd ³ / bbls CENERATOR CERTIFICATION STATEMENT OF WASTE STATUS Fina Huerta TINA HUEFTA, representative or authorized agent for EOG Resources, Inc do hereby
cert	ify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 ilatory determination, the above described waste is: (Check the appropriate classification)
5	RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items)
	MSDS Information 🔲 RCRA Hazardous Waste Analysis 🖾 Process Knowledge 📋 Other (Provide description in Box 4)
	GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS
repr have of the	do hereby certify that esentative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples e been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results he representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 5.36 NMAC.
	Transporter: dard Safety and Supply
DCD I	Permitted Surface Waste Management Facility
Nat	ne and Facility Permit #: Lea Land Permit #WM-1-035
Add	lress of Facility: MM64, US Highway 62/180 East, Carlsbad, NM 88220
Me	thod of Treatment and/or Disposal:
	🗌 Evaporation 🔲 Injection 🔲 Treating Plant 🗌 Landfarm 🛛 Landfill 🔲 Other
Vaste	Acceptance Status:
	Image: Shall of the second

LEA LAND, LLC LOW WEST MARN STREET AOLAHONA CITY OF 2016 F. PHONE (495) 23-4257 C C C C C MON-31A ZARDOUS WASTE MANTREST NO 147761 LPAGE NO. C PRODUCTION OF WASTES MANTREST NO 147761 PROLED OF PRODUCTION OF WASTES SUPPORT PRODUCTION OF WASTES SUPPORT R (172 STATE 201 Non-Regulated. Non Hazardous Waste I C MARCE DESCRIPTION OF WASTE SUPPORT Non-Regulated. Non Hazardous Waste I C MARCE DESCRIPTION OF WASTE SUPPORT Non-Regulated. Non Hazardous Waste I C CASE OF ENTRECOLOR SPILL, CONTACT I SCOMENTS ON SPICIAL INSTRUCTIONS: I C COMMENTS ON SPICIAL INSTRUCTIONS: I C COMMENTS ON SPICIAL INSTRUCTIONS: I NC CASE OF ENTRECOLOR SPILL, CONTACT I NOR SPICIAL INSTRUCTIONS: I NC CASE OF ENTRECOLOR SPILL, CONTACT I NOR SPICIAL INSTRUCTIONS: I NC CASE OF ENTRECOLOR SPILL, CONTACT I NOR SPICIAL INSTRUCTIONS: I SCOMENTICE (D): Here Colspan= 4048 I SCOMENTS CONTACT: LUS CALL MONT I NOR SPICIAL INSTRUCTION: Here Colspan= 40 as on spine spinowide by IAL LAND, I	1				and the state				
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G E.O. G. Resources 105 South 4th St. 11222221* PLONE NO CTY SLATE 21P K. (155 T34-1471 Artesia NM 8210 N. NARE OR DESCRIPTION OF WASTE SHIPPED NM NM 792 Non-Regulated, Non Hazardous Waste 1 CM Non-Regulated, Non Hazardous Waste 1 CM B Marken Solution NM COMMENTS OR SPECIAL INSTRUCTIONS: 13: WASTE PROFILE NO. ACKSON B 55 IN CASE OF EMERGENCY OR SPILL, CONTACT MARE PHONE NO 24:HOUR EMERGENCY OR SPILL, CONTACT MARE PHONE NO 24:HOUR EMERGENCY OR SPILL, CONTACT MARE PHONE NO 24:HOUR EMERGENCY OR SPILL, CONTACT T NAME MARE PHONE NO 24:HOUR EMERGENCY OR SPILL, CONTACT T NAME DOE ONTIVEROS 575-887-4048 OB SIGNATURE CO. MAN: TINA HUERTA SIGNATURE CO. MAN: TINA HUERTA SIGNATURE CO. MAN: TINA HUERTA SIGNATURE T 16 TRANSPORTER (1) NME: STANDARD SAFETY & SUPPLY NAME: STANDARD SAFETY & SUPPLY NAME: STANDARD	N	ON-HAZARDOUS WASTE MANIFI	EST NO 1	47761	1. PA	GE_OF	2. TRAIL	ER NO.	20
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Page 147 of 164

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V-HAZAR	DOUS WA				763	1. PAGE	_OF 2. TRA	AILER NO.	13
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NAME JOE O	TIVEROS			575-887-404		this consignment	t are fully and ac	curately describe	d above by pro
15.GENI	RATOR'S C me and are class	ERTIFICA	TION: I He	reby declare that eled, and are in a	the contents of Il respects in pro	oper condition fo	r transport by hig materials previou	hway according t isly approved by	LEA LAND, L
shipping n internation	RATOR'S C me and are class al and national g	overnment regu	lations, includ	ing applicable sta	signaturi				DATE
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CO.N	AN: TINA H	IUERTA	(1)		17.	T	RANSPORT	ER (2)	
16.		ANSPORTE			NAME:				
NAME:	STAN	DARD SAF	ETY & SL	PPLY	TEXAS I.	D. NO.			
N TEXAS	,D, NO.	CONTRACT.	LUIS	GALVADON			ICY CONTACT:		
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S SIGNA		100		ADDRESS:		A IIS	Hwy 62/180), 5	75-887-40
	Lea Lan	AILC		N	Aile Marke	ast of Carls	bad, NM		
Carlo Marchante				18 - 1	20. COM	IMENTS			
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A PERM	- The second	And and the second of the second s	a water of the second			hove desi	ribed wastes wer		
F A PERM F F	T NO. WM-	-01-055	TELEIC	ATION: 1 He	reby certify the	it the above dee			

Page 148 of 164

	LEA LAI 1300 WEST MAIN STREET • OKLAHOMA		HONE (4	05) 236-425	R	rin	da
NO	N-HAZARDOUS WASTE MANIFEST NO 14	7795	1. PA	JEOF_	_ 2. TRAIL	ER NO.	03
G	3. COMPANY NAME 4. ADDRESS E.O.G. Resources 105 South 4th 5	St.		5. PI 11	CK-UP DATE /3/2021		
	PHONE NO. CITY (575) 748-1471 Artesia	STATE NM	882		NRCC I.D. NO		
E	(575) 748-1471 Artesia 7. NAME OR DESCRIPTION OF WASTE SHIPPED:	INIVI	8. CON	TAINERS	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #
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,	12. COMMENTS OR SPECIAL INSTRUCTIONS:		M	MIT	13. WASTE	PROFILE N	NO.
A	14. IN CASE OF EMERG	IC ENCY OR SPIL	L.CO	NTACT	<u>/</u>		
т	NAME PHONE NO JOE ONTIVEROS 575-887-404			192	24-HOU	R EMERG	ENCY NO.
	15.GENERATOR'S CERTIFICATION: I Hereby declare that shipping name and are classified, packed, marked, and labeled, and are in al international and national government regulations, including applicable stat PRINTED/TYPED NAME	respects in proper co	ndition	or transport	t by highway a	ccording to	applicable
~	CO. MAN: TINA HUERTA						-
T R	16. TRANSPORTER (1)	17. NAME:	1	RANSPO	ORTER (2)	
A	NAME: STANDARD SAFETY & SUPPLY TEXAS I.D. NO.	TEXAS I.D. NO.					
S	IN CASE OF EMERGENCY CONTACT: LUIS GALVADON	IN CASE OF EMI	ERGEN	CY CONTA	ACT:		
	EMERGENCY PHONE: (432) 741-2509	EMERGENCY PH		(2) · Aak	nowladamant	of receipt	of material
	8. TRANSPORTER (1): Acknowledgment of receipt of material	Comment Towners			nowiedgineni	of receipt of	or material
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F A	Lea Land, LLC ADDRESS: Mile	e Marker 64, U			180,		-887-4048
F A I I I I I I I I I I I I I I I	Lea Land, LLC Mile 30 M	e Marker 64, U Ailes East of C 20. COMMENTS	Carlsb	ad, NM	180,	575	17 . 291
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	1300 WEST MAIN STREE	LEA LAN		HONE (405)	236-42	57 <	3-	G		
NO	ON-HAZARDOUS WASTE MANIFES	т NO 14	7796	1. PAGE	_OF_	_ 2. TRAIL	ER NO.	02		
G	3. COMPANY NAME E.O.G. Resources	DDRESS South 4th S	t.		5. PI	CK-UP DATE				
	PHONE NO. CIT	0000	STATE	ZIP	6. TI	NRCC I.D. NO				
E	(tesia	NM	88210 8. CONTAI	NERS	9. TOTAL	10. UNIT	11. TEXAS		
N	7. NAME OR DESCRIPTION OF WASTE SHIPPED:				Гуре М	QUANTITY	Wt/Vol.	WASTE ID #		
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E	C.									
	AMT: 740/10 205	At			-					
R	12. COMMENTS OR SPECIAL INSTRUCTIONS:	f0	a to the			13. WASTE	PROFILE	NO.		
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		the second se	ENCY OR SPIL	L, CONT	TACT	14 11011	PEMERC	ENCY NO.		
Т	JOE ONTIVEROS	HONE NO 575-887-404	8			24-HOU	K EMERG	LINCT INU.		
0	15. GENERATOR'S CERTIFICATION: I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LL									
R	PRINTED/TYPED NAME CO. MAN: TINA HUERTA	SIGNATURE	-		-		DATE			
C	16. TRANSPORTER (1)	17. TRANSPORTER (2)								
2	NAME: STANDARD SAFETY & SU	PPLY	NAME:							
I	TEXAS I.D. NO.		TEXAS I.D. NO.							
	IN CASE OF EMERGENCY CONTACT: LUIS C (432) 74	ALVADON	IN CASE OF EM	IERGENCY	CONT	ACT:				
	EMERGENCY PHONE: (432) 14 18. TRANSPORTER (1): Acknowledgment of rec		EMERGENCY P		2): Acl	knowledgment	of receipt	of material		
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7	Lea Land, LLC		Marker 64, Miles East of					5-887-404		
P	WM-01-035 - New Mexico		20. COMMENTS							
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-	UTAIORIZED SIGNATURE	Dog	CELL NO.	/	I	DATE 11/3/20	21	TING .		

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	LEA LAN 1300 WEST MAIN STREET • OKLAHOMA	ND, LLC CITY, OK 73106 • P	HONE (40	(5) 236-42	157 Fr	1940	0				
NO	DN-HAZARDOUS WASTE MANIFEST NO 14	7797	-	E_OF_	2. TRAILI	-	964				
	3. COMPANY NAME 4. ADDRESS 105 South 4th S	St.		5. P 1	ICK-UP DATE 1/3/2021						
G	PHONE NO.	STATE			INRCC I.D. NO).					
E	(575) 748-1471 Artesia	NM	8821	AINERS	9. TOTAL	10. UNIT	11. TEXAS				
	7. NAME OR DESCRIPTION OF WASTE SHIPPED:		No.	Туре	QUANTITY	Wt/Vol.	WASTE ID #				
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Т	JOE ONTIVEROS 575-887-404										
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R	PRINTED/TYPED NAME CO. MAN: TINA HUERTA	SIGNATURE	-	-		-	DATE				
Т	16. TRANSPORTER (1)	17.	TRANSPORTER (2)								
R	NAME: STANDARD SAFETY & SUPPLY	NAME:									
A N	TEXAS I.D. NO.	TEXAS I.D. NO.									
S P	IN CASE OF EMERGENCY CONTACT:	IN CASE OF EMERGENCY CONTACT:									
0	(432) 741-2509	EMERGENCY PHONE: 19. TRANSPORTER (2): Acknowledgment of receipt of material									
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E	PRINTED/TYPED NAME (max lege)	PRINTED/TYI	PED NAN	1E		-					
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	21. DISPOSAL FACILITY'S CERTIFICATION: I Hereby activity is authorized and permitted to receive such wastes.	y certify that the ab	ove descri	ibed was	tes were delive	red to this	facility, that the				
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OCD: 3/29/2022 9:56

] 1300 WEST MAIN STREE	LEA LA	ND, LLC	PHONE (405) 2	236-4257	CR	RG				
NO	N-HAZARDOUS WASTE MANIFES	ST NO 1	47798	1. PAGE		. TRAILI	ER NO.	20			
G	3. COMPANY NAME 41	08 South 4th	St.		5. P193/2	B21					
G	PHONE NO. CT	and the state	STATE	ZIP 88210	6. TNRCC	I.D. NO.					
E	(00) 140-1411	rtesia	NM	8. CONTAIN	JERS 9.7	OTAL	10. UNIT	11. TEXAS			
	7. NAME OR DESCRIPTION OF WASTE SHIPPED:			No. T	E-	NTITY	Wt/Vol.	WASTE ID #			
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r	NAME P	PHONE NO	Int. It.			24-HOU	R EMERG	GENCY NO.			
-	JOE ONTIVEROS 575-887-4048 15.GENERATOR'S CERTIFICATION: 1 Hereby declare that the contents of this consignment are fully and accurately described above by propu-										
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		A sult have a la	SIGNATURE	TRA	NSPORT	TER (2))	DATE			
-	CO. MAN: TINA HUERTA	PPLY		TRA	NSPORT	TER (2))	DATE			
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G EO.O. Resource	,	105 South	ith St.		1158	2024		
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ON	N-HAZARDOUS WASTE MANIFES	ST NO 14	7828	1.946	GR_OF_	_ 2. TRAIL	ER NO.	20
G	L COMPANY NAME	ADDRESS 105 South 4th S	L		2.9	1/4/2021		
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ERS	PRENTED TYPED NAME Jenand	DATE 114	PRINTED/TYT 4/2021 SIGNATURE				DAIE	-
FAC	Lea Land, LLC	ADDRESS: Mi 30	ile Marker 64, Miles East of 20. COMMENT	f Carls	sbad, N	2/180, M	-	75-887-40
IL	THE FACILITY'S CERTIFIC	ATION: Hind	y certify that the sh	ave des	ribed war	tes were delive	ted to this	facility, that th
ITY	21 DISPOSAL FACILITY 5 CENTRE AND TRANSPORTED SACHT	nades.	CILLNO	-	T	DATE 11/4/2		02

ING WEST MA	LEA LA	ND, LLC	PHONE	03) 236-4	en P	m	LINA		
NON-HAZARDOUS WASTE MA			-	ar_09		LER NO.	03		
G E.O.G. Resources	308 Salah 4th			14	7/8/26211-11				
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(575) 748-1471 Artesia NM 7. NAME OR DESCRIPTION OF WANTE SHIPPED			I.CON	ADURS	9 TOTAL	Do. UNIT	11. TEXAS		
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NUME STANDARD SAFETY	& SUPPLY	NAME							
TEACS LD. MA.	LUIS GALVADON	TEXAS ED NO. IN CASE OF EMERGENCY CONTACT.							
EMERGENCY PRONE (4	IMERCIENCY PROVE (432) 741-2509			EMERGENCY PHONE					
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SIGNATO Criz Bounda	DATE 11/5/	SIGNATURE	-			DATE			
Lea Land, LLC		Marker 64, U diles East of C			\$0, PHONE		87-4048		
WM-01-035 - New M	30 Miles East of Carlsbad, NM WM-01-035 - New Mexico								
21 DISPOSAL FACILITY'S CERTIF	ICATION: I thereby a	entity that the above	described -	valles we	re delivered to	this facility.	, that the		

	LIND WEST MADE STREE	LEA LAN	D, LLC	NONE (405) 236-425	F	NSIA	ce l	
NO	N-RAZARDOUS WASTE MANIFES			5. PA			IB NO. C		
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r	IN CASE OF EMERGENCY OR SPILL, CONTACT NAME 710 575-567-4049 24-HOUR EMERGENCY NO.								
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	Lea Land, LLC		Marker 64, 1	U.S. H	wy 62/1	Sec. C. C. C. C. C.		-887-4048	
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r f	the product of product or many of another			-	-	1	-		
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	LEA LA 1000 WEST MAIN STREET - OKLAHON	AND, LLC	· PHONE (4	ul) 236-4	457	CRO		
250	N-HAZARDOUS WASTE MANIFEST NO 1	47848	L BAD	8_OF	2 TRAI	LER N # 21		
G	E.O.G. Resources 105 Built 41	12	-	3.4	1/5/2021			
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т	14. IN CASE OF EMERGENCY OR SPILL, CONTACT PLAME PIONE NO. 24-IROUR EMERGENCY N JOE ONTIVEROS 575-887-4048							
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N	ON-HAZARDOUS WASTE MANIFES	T NO 1	47849	LPA	01_07	_ 2. TRAIL	ER NO.	Da		
G	E.O.G. Resources	5 South att	St.		14	15/2021***				
	PHONE NO. CT	ry .	STATE		Strengthere and	INRCC LD. NO	λ	-		
E	(575) 740-1471 Av	tesia	NM		TAINERS			11 183/		
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~	*Non-Regulated, Non Hazardous Waste			1	CM					
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A										
т	14. IN CASE OF EMERGENCY OR SPILL, CONTACT NAME PRIVILY NO. 24-HOUR EMERGENCY NO.									
	JOE ONTIVEROS 575-887-4048									
0	15 GENERATOR'S CERTIFICATION: 1 Horeby declare that the conterns of this compresser are fully and accurately described above by pe- phipping same and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable									
	enternational and national government regulations, includ PRINTED/TVPED NAME	ing applicable in	SIGNATURE	e the same	materials	but compared and the second	roand by Li	EA LAND,		
R	CO. MAN: CHASE SETTLE		MUNATURE					DATE		
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R	NAME STANDARD SAFETY & SUF	PLY_	NAME:							
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	1300 WEST MAIN ST		ND, LLC CITY, OK 73106 • PI	HONE (4	105) 236-42	57 M	TON	Hes
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E	(575) 748-1471	Artesia	MM	882 8. CON	TAINERS	9. TOTAL	10. UNIT	
E	7. NAME OR DESCRIPTION OF WASTE SHIPPE		No.	Туре	QUANTITY	Wt/Vol.	WASTE ID #	
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	b.							
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Т	JOE ONTIVEROS	575-887-404						
0	15.GENERATOR'S CERTIFICATION:	I Hereby declare that t d labeled, and are in all	he contents of this contents in proper contents in proper contents in proper contents and the property of the	onsignme ondition f	ent are full for transport	y and accurately rt by highway ac previously app	described cording to roved by 1	above by proper applicable EA LAND, LI
	international and national government regulations, in	ncluding applicable stat	e regulations, and are	are san	material	full to using abl		DATE
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Т	16. TRANSPORTER (1)		17.	Т	RANSP	PORTER (2)		
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	EMERGENCY PHONE: (432) 741-2509	EMERGENCY P		1 (2)			of motorial
	18. TRANSPORTER (1): Acknowledgment o	of receipt of material	19. TRANSPO			knowledgment	or receipt	or material
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F			Ailes East of (
	PERMIT NO. WM-01-035 - New Mex	ico	20. COMMENTS					
2	acility is authorized and permitted to receive such w	ATION: I Hereby of	certify that the abov	e descrit	bed wastes	were delivered	l to this fa	cility, that the
			CELL NO.	-	1,	DATE		TIME
-	UTHORIZED SIGNATURE	Δ.	CELL NO.			11/16/202	1	1 1 and

Page

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Appendix E Confirmation Sampling Notifications

Becky Haskell

From:	Chase Settle <chase_settle@eogresources.com></chase_settle@eogresources.com>
Sent:	Thursday, October 28, 2021 2:39 PM
То:	Becky Haskell; Zach Comino
Subject:	FW: Jackson B 55 (nRM2035059346) Sampling Notification

From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Thursday, October 28, 2021 1:38 PM
To: Robert.Hamlet@state.nm.us
Cc: Chase Settle <Chase_Settle@eogresources.com>; Yvette Moore <Yvette_Moore@eogresources.com>; Ashley Bravo
<Ashley_Bravo@eogresources.com>; Katie Jamison <Katie_Jamison@eogresources.com>; Artesia Regulatory
<Artesia_Regulatory@eogresources.com>
Subject: Jackson B 55 (nRM2035059346) Sampling Notification

Good afternoon,

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

Jackson B #55 nRM2035059346

Sampling will begin at 2:00 p.m. on Monday, November 1, 2021 and most likely continue into Tuesday, November 2, 2021.

Thank you,

Tina Huerta Regulatory Specialist Direct: 575.748.4168 Cell: 575.703.3121 Email: <u>tina huerta@eogresources.com</u>



Becky Haskell

From:	Chase Settle <chase_settle@eogresources.com></chase_settle@eogresources.com>
Sent:	Friday, November 12, 2021 10:08 AM
То:	Becky Haskell; Zach Comino
Subject:	FW: Jackson B 55 (nRM2035059346) Sampling Notification

FYI

From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Thursday, November 11, 2021 1:08 PM
To: Robert.Hamlet@state.nm.us; blm_nm_cfo_spill@blm.gov
Cc: Artesia Regulatory <Artesia_Regulatory@eogresources.com>; Chase Settle <Chase_Settle@eogresources.com>;
Yvette Moore <Yvette_Moore@eogresources.com>; Ashley Bravo <Ashley_Bravo@eogresources.com>; Katie Jamison
<Katie_Jamison@eogresources.com>
Subject: Jackson B 55 (nRM2035059346) Sampling Notification

Good Afternoon,

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

Jackson B 55 nRM2035059346

Sampling will begin at 12:00 p.m. on Tuesday, November 16, 2021.

Thank you,

Tina Huerta Regulatory Specialist Direct: 575.748.4168 Cell: 575.703.3121 Email: tina huerta@eogresources.com



District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

CONDITIONS

Operator:	OGRID:
EOG RESOURCES INC	7377
P.O. Box 2267	Action Number:
Midland, TX 79702	93862
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By		Condition Date
jnobui	Closure Report Approved.	4/18/2022