

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-141  
Revised August 24, 2018  
Submit to appropriate OCD District office

Incident ID	nRM2035059346
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

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

### 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	17S	30E	Eddy

Surface Owner:  State  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)

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 2	Volume Recovered (bbls) 1.5
<input checked="" type="checkbox"/> 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?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release  
Lease Operator found fluid polished rod liner moved up the polished rod causing the stuffing box to leak, at the wellhead running east on location then turning south.

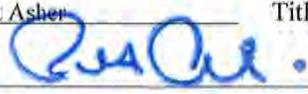
State of New Mexico  
Oil Conservation Division

Incident ID	nRM2035059346
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Was this a major release as defined by 19.15.29.7(A) NMAC?  <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

### Initial Response

*The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury*

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why:
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.
Printed Name: <u>Robert Asher</u> Title: <u>Environmental Supervisor</u>
Signature: <u></u> Date: <u>12/4/2020</u>
email: <u>bob_asher@cogresources.com</u> Telephone: <u>575-748-4171</u>
<b>OCD Only</b> Received by: _____ Date: _____

Incident ID	nRM2035059346
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## Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	>100 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

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

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

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

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

State of New Mexico  
Oil Conservation Division

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

Printed Name: Chase Settle Title: Rep Safety & Environmental Sr  
 Signature: Chase Settle Date: 03/29/2022  
 email: Chase\_Settle@eogresources.com Telephone: 575-748-1471

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Incident ID	nRM2035059346
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## Closure

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

**Closure Report Attachment Checklist:** *Each of the following 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)
- 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: Chase Settle Date: 03/29/2022  
 email: Chase\_Settle@eogresources.com Telephone: 575-748-1471

**OCD Only**

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: Jennifer Nobui 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 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.

### 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 and meets the closure criteria for 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

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

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

### 4. Initial 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

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. 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 is 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

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



Becky Haskell  
Senior Project Manager



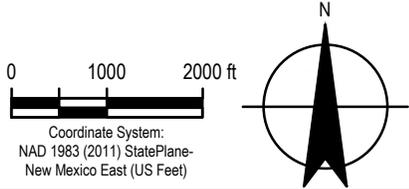
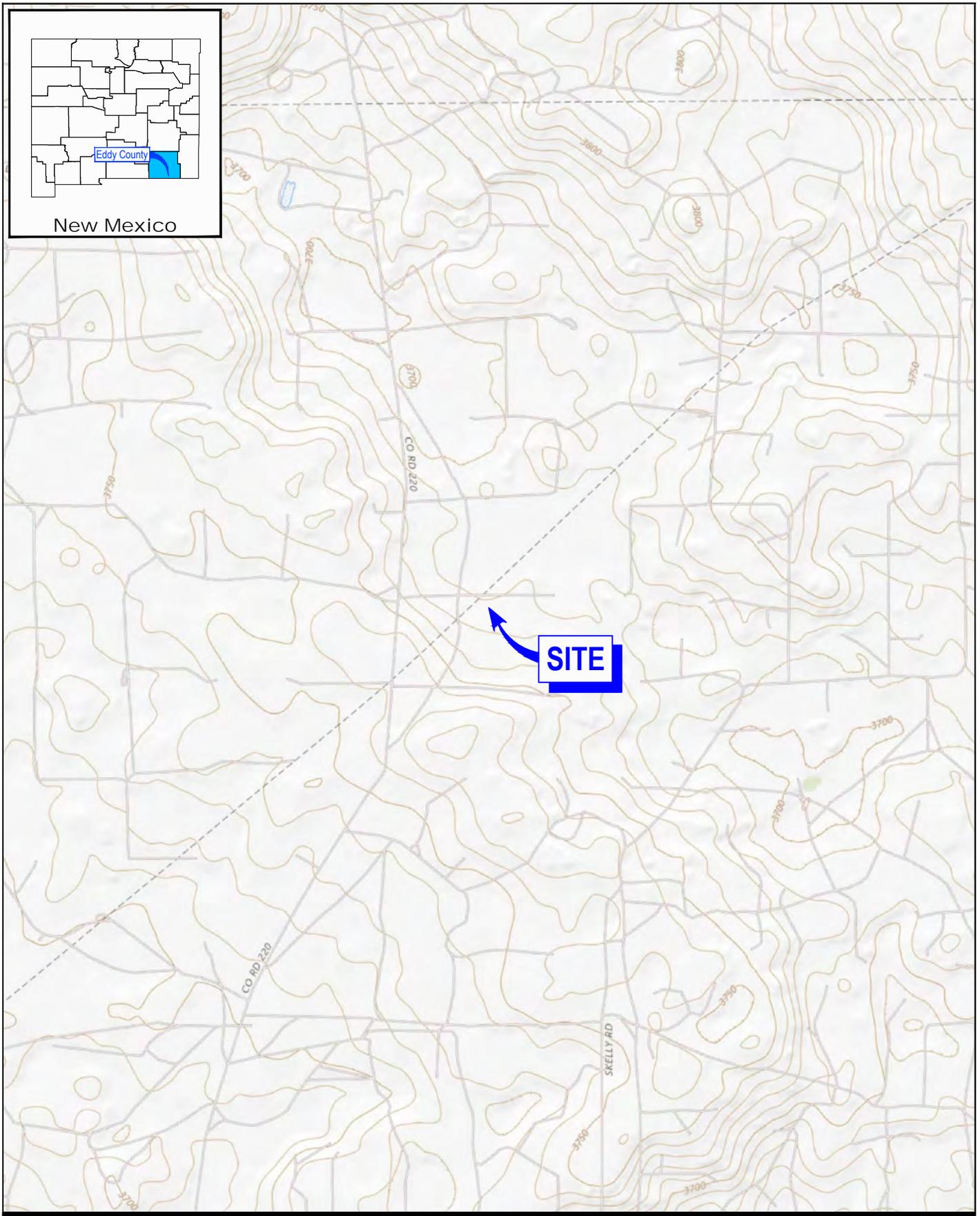
Tom Larson  
Project Director

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

# Figures

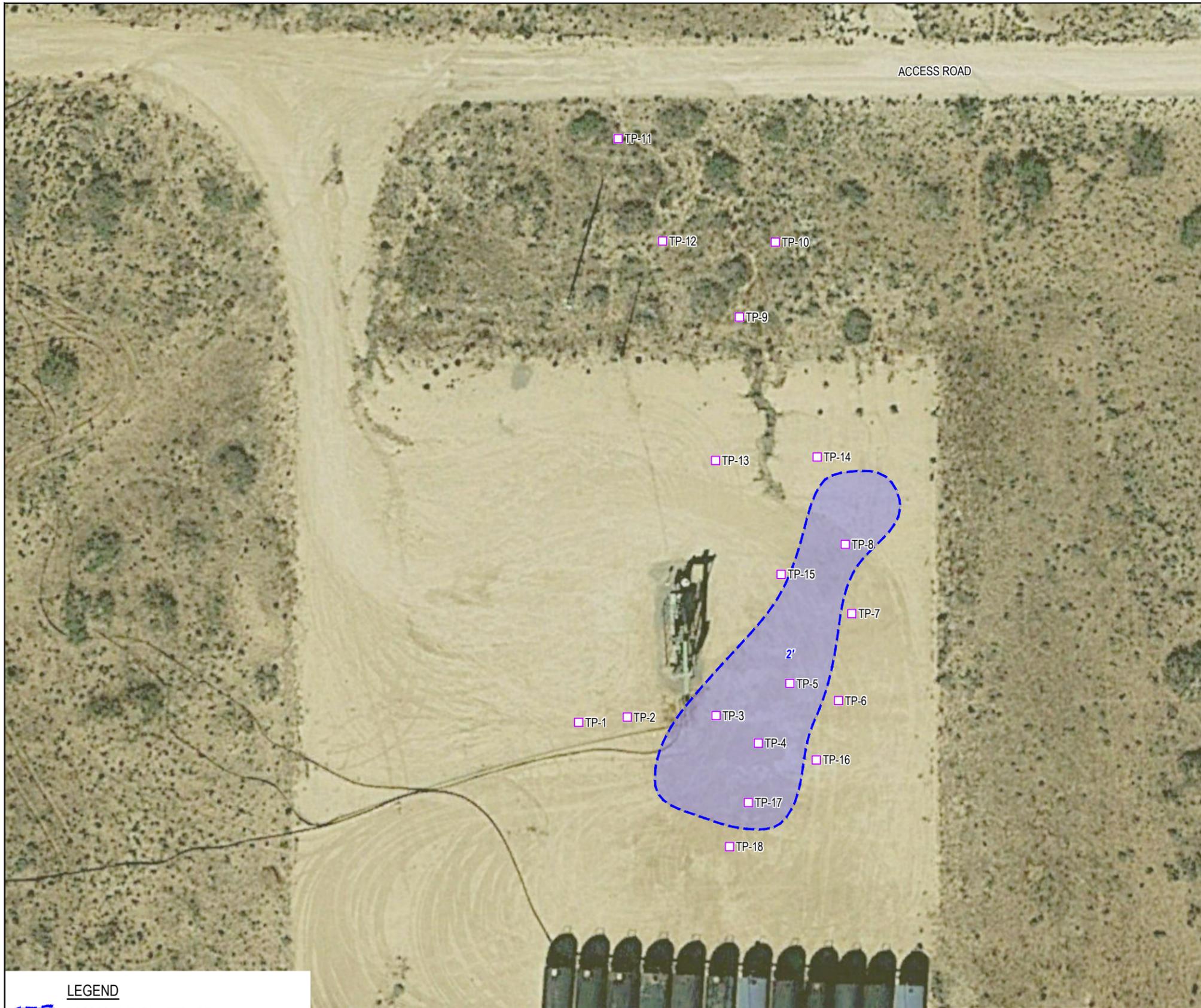


EOG RESOURCES  
 EDDY COUNTY, NEW MEXICO  
 JACKSON B 55

Project No. 11223609  
 Date March 2022

SITE LOCATION MAP

FIGURE 1

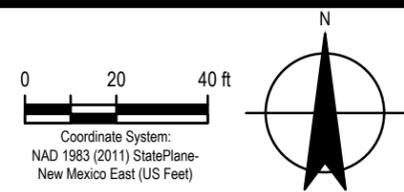


Sample ID	Sample Date	Depth (ft bgs)	Benzene	BTEX	TPH	Chloride	
			(mg/kg)	(mg/kg)	Total GRO/DRO/MRO (mg/kg)	(mg/kg)	
			Table 1 Closure Criteria for Soils >100 ft Depth to				
				10	50	2,500	20,000
<b>Initial Assessment Samples</b>							
TP1-S	7/21/21	Surface	<0.024	<0.096	<47	<60	
TP1-2	7/21/21	2	<0.023	<0.092	<48	<b>100</b>	
TP2-S	7/21/21	Surface	<0.024	<0.095	<46	<60	
TP2-2	7/21/21	2	<0.024	<0.096	<50	<b>170</b>	
TP3-S	7/21/21	Surface	<0.025	<0.10	<48	<60	
TP3-4	7/21/21	4	<0.023	<0.094	<46	<b>2,100</b>	
TP4-S	7/21/21	Surface	<0.024	<0.095	<50	<b>89</b>	
TP4-2	7/21/21	2	<0.024	<0.095	<49	<b>670</b>	
TP5-S	7/21/21	Surface	<0.024	<0.095	<44	<b>130</b>	
TP5-2	7/21/21	2	<0.023	<0.093	<46	<b>760</b>	
TP6-S	7/21/21	Surface	<0.024	<0.095	<46	<60	
TP6-2	7/21/21	2	<0.024	<0.097	<47	<60	
TP7-S	7/21/21	Surface	<0.024	<0.094	<47	<60	
TP7-2	7/21/21	2	<0.024	<0.096	<50	<60	
TP8-S	7/21/21	Surface	<0.024	<0.097	<49	<60	
TP8-2	7/21/21	2	<0.025	<0.099	<49	<b>800</b>	
TP9-S	7/21/21	Surface	<0.024	<0.097	<44	<60	
TP9-2	7/21/21	2	<0.025	<0.099	<48	<59	
TP10-S	7/21/21	Surface	<0.024	<0.097	<48	<60	
TP10-2	7/21/21	2	<0.025	<0.098	<49	<60	
TP11-S	7/21/21	Surface	<0.025	<0.099	<b>106</b>	<60	
TP11-2	7/21/21	2	<0.024	<0.097	<46	<60	
TP12-S	7/21/21	Surface	<0.024	<0.096	<47	<60	
TP12-2	7/21/21	2	<0.025	<0.099	<48	<60	
TP13-S	7/21/21	Surface	<0.025	<0.10	<48	<b>77</b>	
TP13-2	7/21/21	2	<0.024	<0.095	<46	<60	
TP14-S	7/21/21	Surface	<0.025	<0.099	<49	<61	
TP14-2	7/21/21	2	<0.024	<0.095	<48	<b>62</b>	
TP15-S	7/21/21	Surface	<0.024	<0.096	<49	<60	
TP15-2	7/21/21	2	<0.024	<0.095	<49	<b>60</b>	
TP16-S	7/21/21	Surface	<0.024	<0.097	<50	<b>83</b>	
TP16-2	7/21/21	2	<0.024	<0.097	<50	<b>66</b>	
TP17-S	7/21/21	Surface	<0.023	<0.093	<47	<b>1,300</b>	
TP17-2	7/21/21	2	<0.024	<0.097	<48	<b>330</b>	
TP18-S	7/21/21	Surface	<0.025	<0.099	<48	<60	
TP18-2	7/21/21	2	<0.024	<0.097	<50	<b>150</b>	

**LEGEND**

- PROPOSED EXCAVATED AREA
- TEST PIT LOCATION
- DEPTH DEPTH OF SAMPLE (FT)
- BTEX BENZENE, TOLUENE, ETHYLBENZENE & XYLENES CONCENTRATION (MG/KG)
- TPH TOTAL PETROLEUM HYDROCARBONS CONCENTRATION (MG/KG)

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

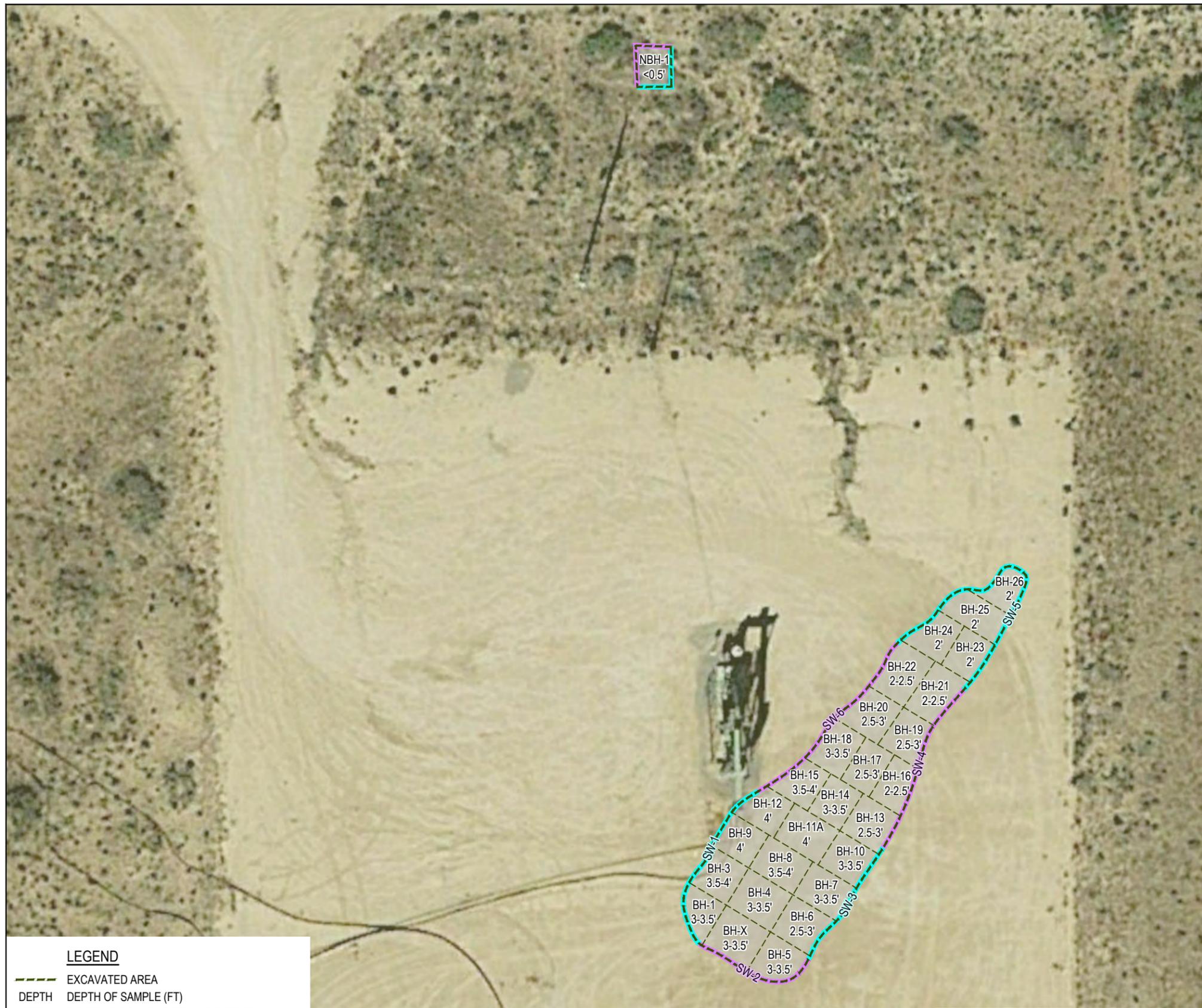


**EOG RESOURCES**  
 EDDY COUNTY, NEW MEXICO  
 JACKSON B 55

**SITE ASSESSMENT:**  
 SOIL ANALYTICAL RESULTS MAP

Project No. 11223609  
 Date March 2022

**FIGURE 2**



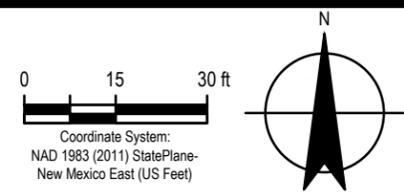
Sample ID	Sample Date	Depth (ft bgs)	Benzene	BTEX	TPH	Chloride
			(mg/kg)	(mg/kg)	Total GRO/DRO/MRO (mg/kg)	(mg/kg)
			Table 1 Closure Criteria for Soils >100 ft Depth to			
			10	50	2,500	20,000
<b>Confirmation Samples - Bottom Hole</b>						
NBH-1	11/2/21	<0.5'	<0.025	<0.10	<48	73
BH-1	11/1/21	3-3.5	<0.024	<0.094	<49	410
BH-2	11/1/21	3-3.5	<0.025	<0.099	<48	280
BH-3	11/1/21	3.5-4	<0.025	<0.099	<49	470
BH-4	11/1/21	3-3.5	<0.024	<0.097	<49	74
BH-5	11/1/21	3-3.5	<0.025	<0.10	<48	80
BH-6	11/1/21	2.5-3	<0.024	<0.098	<48	<60
BH-7	11/1/21	3-3.5	<0.023	<0.094	<49	99
BH-8	11/1/21	3.5-4	<0.024	<0.097	<47	220
BH-9	11/1/21	4	<0.024	<0.096	<47	2,500
BH-10	11/1/21	3-3.5	<0.023	<0.093	<49	120
BH-11	11/1/21	3.5-4	<0.025	<0.099	<50	970
BH-11A	11/16/21	4	<0.024	<0.095	<48	510
BH-12	11/1/21	4	<0.023	<0.094	<47	640
BH-13	11/1/21	2.5-3	<0.023	<0.093	<49	110
BH-14	11/1/21	3-3.5	<0.024	<0.096	<50	97
BH-15	11/1/21	3.5-4	<0.025	<0.099	<50	<60
BH-16	11/1/21	2-2.5	<0.025	<0.10	<46	150
BH-17	11/1/21	2.5-3	<0.024	<0.095	<47	100
BH-18	11/1/21	3-3.5	<0.024	<0.096	<49	63
BH-19	11/1/21	2.5-3	<0.025	<0.099	<50	<60
BH-20	11/1/21	2.5-3	<0.024	<0.097	<49	70
BH-21	11/1/21	2-2.5	<0.025	<0.098	<50	<60
BH-22	11/1/21	2-2.5	<0.024	<0.095	<45	<60
BH-23	11/1/21	2	<0.023	<0.093	<43	120
BH-24	11/1/21	2	<0.024	<0.098	<47	<60
BH-25	11/1/21	2	<0.024	<0.096	<48	<60
BH-26	11/1/21	2	<0.023	<0.094	<47	<60
<b>Confirmation Samples - Sidewall</b>						
NSW-1	11/2/21	-	<0.024	<0.096	<48	<60
NSW-2	11/2/21	-	<0.025	<0.10	<47	<60
SW-1	11/1/21	-	<0.023	<0.092	<48	320
SW-2	11/1/21	-	<0.024	<0.097	13	350
SW-3	11/1/21	-	<0.024	<0.095	<48	87
SW-4	11/1/21	-	<0.025	<0.099	<48	180
SW-5	11/1/21	-	<0.023	<0.092	<46	<60
SW-6	11/1/21	-	<0.024	<0.096	<48	61

**LEGEND**

- 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:**

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



EOG RESOURCES  
EDDY COUNTY, NEW MEXICO  
JACKSON B 55

**CONFIRMATION SAMPLING:  
SOIL ANALYTICAL RESULTS MAP**

Project No. 11223609  
Date March 2022

**FIGURE 3**

# Tables

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

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	Total Petroleum Hydrocarbons (TPH)				Chloride
								GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
<b>Table 1 Closure Criteria for Soils &gt;100 ft Depth to Groundwater 19.15.29 NMAC</b>												
			10	---	---	---	50	1,000		---	2,500	20,000
<b>Initial Assessment Samples</b>												
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	<b>100</b>
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	<b>170</b>
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	<b>2,100</b>
TP4-S	7/21/21	Surface	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<10	<50	<50	<b>89</b>
TP4-2	7/21/21	2	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<9.8	<49	<49	<b>670</b>
TP5-S	7/21/21	Surface	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<8.9	<44	<44	<b>130</b>
TP5-2	7/21/21	2	<0.023	<0.046	<0.046	<0.093	<0.093	<4.6	<9.2	<46	<46	<b>760</b>
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	<b>800</b>
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	<b>48</b>	<b>58</b>	<b>106</b>	<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	<b>77</b>
TP13-2	7/21/21	2	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.3	<46	<46	<60

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

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	Total Petroleum Hydrocarbons (TPH)				Chloride
								GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
<b>Table 1 Closure Criteria for Soils &gt;100 ft Depth to Groundwater 19.15.29 NMAC</b>												
			10	---	---	---	50	1,000		---	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
<b>Confirmation Samples - Bottom Hole</b>												
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
<del>BH-11</del>	<del>11/1/21</del>	<del>3.5-4</del>	<del>&lt;0.025</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.099</del>	<del>&lt;0.099</del>	<del>&lt;5.0</del>	<del>&lt;9.9</del>	<del>&lt;50</del>	<del>&lt;50</del>	<del>976</del>
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

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

Sample ID	Sample Date	Depth (ft bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	BTEX (mg/kg)	Total Petroleum Hydrocarbons (TPH)				Chloride (mg/kg)
								GRO (C6-C10) (mg/kg)	DRO (C10-C28) (mg/kg)	MRO (C28-C35) (mg/kg)	Total GRO/DRO/MRO (mg/kg)	
								10	---	---	---	
<b>Table I Closure Criteria for Soils &gt;100 ft Depth to Groundwater 19.15.29 NMAC</b>												
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	<b>70</b>
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	<b>120</b>
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
<b>Confirmation Samples - Sidewall</b>												
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	<b>320</b>
SW-2	11/1/21	-	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<b>13</b>	<48	<b>13</b>	<b>350</b>
SW-3	11/1/21	-	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.6	<48	<48	<b>87</b>
SW-4	11/1/21	-	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.6	<48	<48	<b>180</b>
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	<b>61</b>

**Notes:**

1. Values reported in mg/kg
2. < = Value Less than Reporting Limit (RL)
3. Bold Indicates Analyte Detected
4. BTEX analyses by EPA Method SW 8021B.
5. TPH analyses by EPA Method SW 8015 Mod.

6. GRO/DRO/MRO = Gasoline/Diesel/Motor Oil

Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I 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

B-BH-2	Sample Point Excavated
--------	------------------------

# Attachment A Site Characterization Documentation



# BORING LOG

Project No.: 700438.238.01

Weather: Clear, Temp.: 75°F

Driller: D. Londagin

Site Name: Jackson B #59

Logger: D. Adkins

Rig Type: Reich Drill

Location: Eddy County, New Mexico

Field Instrument: NA

Bit Size: 5-7/8"

Date: 5/18/2021

Latitude: 32.85697 N

Drilling Method: Air Rotary

Boring Number: B-1

Longitude: -103.92703 W

Sample Retrieval Method: Drill Cuttings

Time	Lab Sample Collected	Sample Interval (ft)	Sample Recovery (ft)	USCS	Composition (%)	Sample Material/Comments Include composition, color, grain size, moisture, hardness, plasticity, density	Hydrocarbon Odor	PID (ppm)
	<input type="checkbox"/>	0-30'				Red/brown fine Sand (SP)	None Slight Mod. Strong	
	<input type="checkbox"/>	30-40'				Red/brown fine Sand (SP) with varying amounts of silt and caliche	None Slight Mod. Strong	
	<input type="checkbox"/>	40-80'				Dry, dark red/brown sandy Silts (SM)	None Slight Mod. Strong	
	<input type="checkbox"/>	80-125'				Red/brown fine Sand (SP)	None Slight Mod. Strong	
	<input type="checkbox"/>					__ TD 125' __	None Slight Mod. Strong	
	<input type="checkbox"/>						None Slight Mod. Strong	
	<input type="checkbox"/>						None Slight Mod. Strong	
	<input type="checkbox"/>						None Slight Mod. Strong	
	<input type="checkbox"/>						None Slight Mod. Strong	
	<input type="checkbox"/>						None Slight Mod. Strong	
	<input type="checkbox"/>						None Slight Mod. Strong	
	<input type="checkbox"/>						None Slight Mod. Strong	

Surface Elevation: \_\_\_\_\_

Notes: Groundwater Not Encountered @ 125' BGS – 72 hr.

Logger Initials: DJA



# EOG Jackson B#59

Eddy County, New Mexico

## Legend

 32.85697,-103.92703

32.85697,-103.92703

 Jackson B#59 Temp Well

Square Lake Rd

220

Google Earth



1000 ft

**Legend** *Page 22 of 164*

-  Half Mile Radius
-  Jackson B #55
-  Jackson B #59



3000 ft

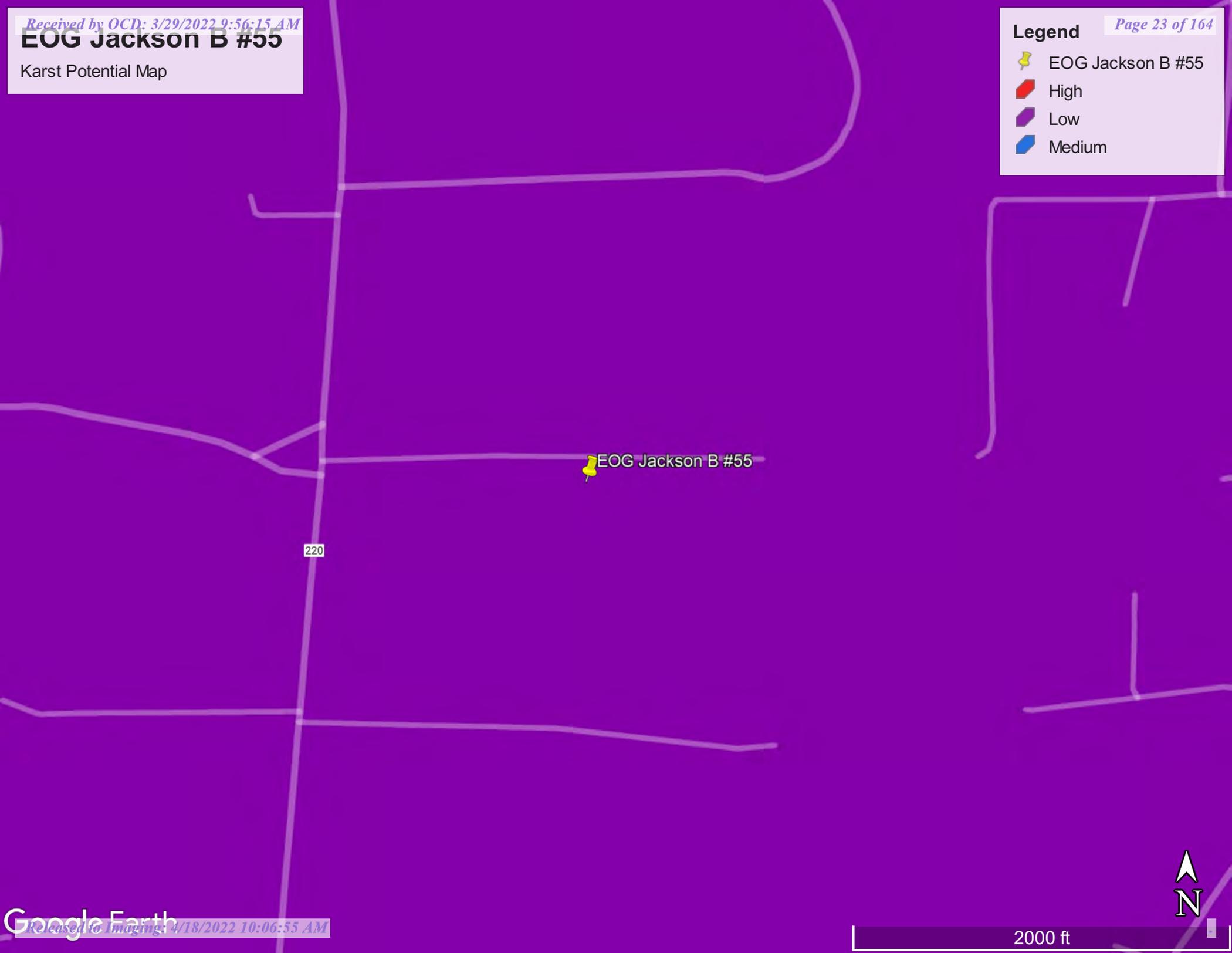


# EOG Jackson B #55

Karst Potential Map

## Legend

-  EOG Jackson B #55
-  High
-  Low
-  Medium

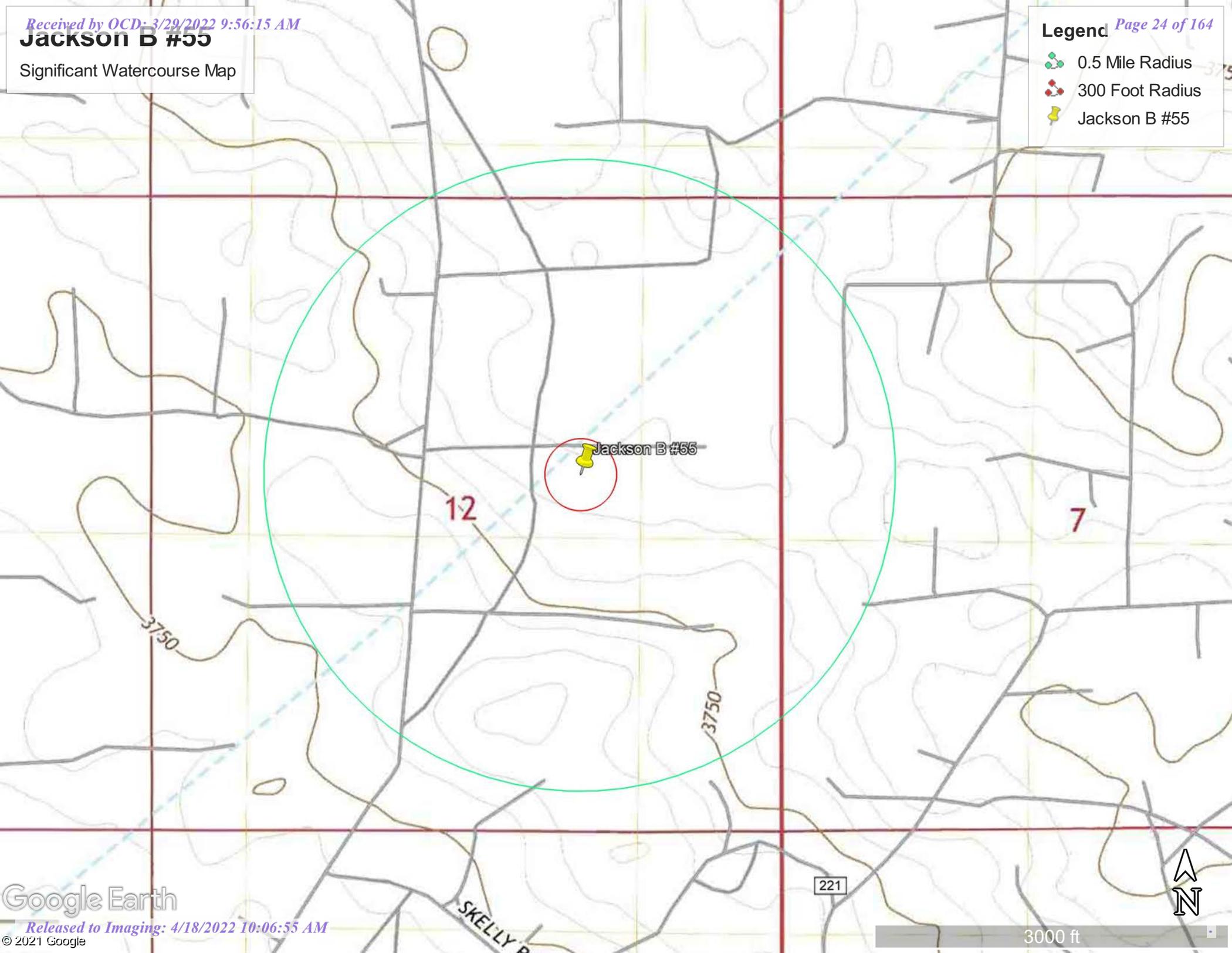


# Jackson B #55

Significant Watercourse Map

**Legend** *Page 24 of 164*

-  0.5 Mile Radius
-  300 Foot Radius
-  Jackson B #55





# EOG Jackson B #55



February 1, 2021

### Wetlands

- Estuarine and Marine Deepwater
- Freshwater Emergent Wetland
- Lake
- Estuarine and Marine Wetland
- Freshwater Forested/Shrub Wetland
- Other
- Freshwater Pond
- 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 Flood Hazard Layer FIRMette



103°55'39"W 32°51'15"N



## Legend

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

- SPECIAL FLOOD HAZARD AREAS**
    - Without Base Flood Elevation (BFE) Zone A, V, A99
    - With BFE or Depth Zone AE, AO, AH, VE, AR
    - Regulatory Floodway
  - OTHER AREAS OF FLOOD HAZARD**
    - 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
    - Future Conditions 1% Annual Chance Flood Hazard Zone X
    - Area with Reduced Flood Risk due to Levee. See Notes. Zone X
    - Area with Flood Risk due to Levee Zone D
  - OTHER AREAS**
    - NO SCREEN Area of Minimal Flood Hazard Zone X
    - Effective LOMRs
    - Area of Undetermined Flood Hazard Zone D
  - GENERAL STRUCTURES**
    - Channel, Culvert, or Storm Sewer
    - Levee, Dike, or Floodwall
  - OTHER FEATURES**
    - Cross Sections with 1% Annual Chance Water Surface Elevation
    - Coastal Transect
    - Base Flood Elevation Line (BFE)
    - Limit of Study
    - Jurisdiction Boundary
    - Coastal Transect Baseline
    - Profile Baseline
    - Hydrographic Feature
  - MAP PANELS**
    - Digital Data Available
    - No Digital Data Available
    - Unmapped
- The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

# Attachment B Photographic Log



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



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

July 30, 2021

Becky Haskell  
GHD Midland  
2135 S Loop 250 W  
Midland, TX 79703  
TEL: (432) 686-0086  
FAX

RE: Jackson B 55

OrderNo.: 2107A94

Dear Becky Haskell:

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](http://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,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written in a cursive style.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

**Analytical Report**

Lab Order **2107A94**

Date Reported: **7/30/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD Midland

**Client Sample ID:** TP1-S

**Project:** Jackson B 55

**Collection Date:** 7/21/2021 7:50:00 AM

**Lab ID:** 2107A94-001

**Matrix:** SOIL

**Received Date:** 7/22/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	7/27/2021 3:18:36 PM	61578
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
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.

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

**Analytical Report**

Lab Order **2107A94**

Date Reported: **7/30/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD Midland

**Client Sample ID:** TP1-2

**Project:** Jackson B 55

**Collection Date:** 7/21/2021 8:00:00 AM

**Lab ID:** 2107A94-002

**Matrix:** SOIL

**Received Date:** 7/22/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	100	60		mg/Kg	20	7/27/2021 4:20:40 PM	61585
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
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.

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

**Analytical Report**

Lab Order **2107A94**

Date Reported: **7/30/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**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
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	7/27/2021 4:57:54 PM	61585
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
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.

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

**Analytical Report**

Lab Order **2107A94**

Date Reported: **7/30/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**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 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	170	60		mg/Kg	20	7/27/2021 5:35:08 PM	61585
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
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.

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

**Analytical Report**

Lab Order **2107A94**

Date Reported: **7/30/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**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
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	7/27/2021 5:47:34 PM	61585
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
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.

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

**Analytical Report**

Lab Order **2107A94**

Date Reported: **7/30/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD Midland

**Client Sample ID:** TP3-4

**Project:** Jackson B 55

**Collection Date:** 7/21/2021 8:30:00 AM

**Lab ID:** 2107A94-006

**Matrix:** SOIL

**Received Date:** 7/22/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	2100	60		mg/Kg	20	7/27/2021 5:59:58 PM	61585
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
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.

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

**Analytical Report**

Lab Order **2107A94**

Date Reported: **7/30/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**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:** 7/22/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	89	59		mg/Kg	20	7/27/2021 6:12:23 PM	61585
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
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.

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

**Analytical Report**

Lab Order **2107A94**

Date Reported: **7/30/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**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 Date:** 7/22/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	670	60		mg/Kg	20	7/27/2021 6:49:38 PM	61585
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
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.

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

**Analytical Report**

Lab Order **2107A94**

Date Reported: **7/30/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD Midland

**Client Sample ID:** TP5-S

**Project:** Jackson B 55

**Collection Date:** 7/21/2021 8:50:00 AM

**Lab ID:** 2107A94-009

**Matrix:** SOIL

**Received Date:** 7/22/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	130	60		mg/Kg	20	7/27/2021 7:02:03 PM	61585
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
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.

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

**Analytical Report**

Lab Order **2107A94**

Date Reported: **7/30/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD Midland

**Client Sample ID:** TP5-2

**Project:** Jackson B 55

**Collection Date:** 7/21/2021 8:55:00 AM

**Lab ID:** 2107A94-010

**Matrix:** SOIL

**Received Date:** 7/22/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	760	60		mg/Kg	20	7/27/2021 7:14:28 PM	61585
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
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.

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

**Analytical Report**

Lab Order **2107A94**

Date Reported: **7/30/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD Midland

**Client Sample ID:** TP6-S

**Project:** Jackson B 55

**Collection Date:** 7/21/2021 9:10:00 AM

**Lab ID:** 2107A94-011

**Matrix:** SOIL

**Received Date:** 7/22/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	7/27/2021 7:26:54 PM	61585
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
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.

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

**Analytical Report**

Lab Order **2107A94**

Date Reported: **7/30/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**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:** 7/22/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	7/27/2021 7:39:18 PM	61585
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
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.

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

**Analytical Report**

Lab Order **2107A94**

Date Reported: **7/30/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD Midland

**Client Sample ID:** TP7-S

**Project:** Jackson B 55

**Collection Date:** 7/21/2021 9:20:00 AM

**Lab ID:** 2107A94-013

**Matrix:** SOIL

**Received Date:** 7/22/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	7/27/2021 7:51:42 PM	61585
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
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.

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

**Analytical Report**

Lab Order **2107A94**

Date Reported: **7/30/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD Midland

**Client Sample ID:** TP7-2

**Project:** Jackson B 55

**Collection Date:** 7/21/2021 9:25:00 AM

**Lab ID:** 2107A94-014

**Matrix:** SOIL

**Received Date:** 7/22/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	7/27/2021 8:04:08 PM	61585
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
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.

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

**Analytical Report**

Lab Order **2107A94**

Date Reported: **7/30/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD Midland

**Client Sample ID:** TP8-S

**Project:** Jackson B 55

**Collection Date:** 7/21/2021 9:35:00 AM

**Lab ID:** 2107A94-015

**Matrix:** SOIL

**Received Date:** 7/22/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	7/27/2021 8:16:33 PM	61585
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
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.

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

**Analytical Report**

Lab Order **2107A94**

Date Reported: **7/30/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD Midland

**Client Sample ID:** TP8-2

**Project:** Jackson B 55

**Collection Date:** 7/21/2021 9:40:00 AM

**Lab ID:** 2107A94-016

**Matrix:** SOIL

**Received Date:** 7/22/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	800	59		mg/Kg	20	7/27/2021 8:28:57 PM	61585
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
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.

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

**Analytical Report**

Lab Order **2107A94**

Date Reported: **7/30/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**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 Date:** 7/22/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	7/27/2021 8:41:22 PM	61585
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
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.

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

**Analytical Report**

Lab Order **2107A94**

Date Reported: **7/30/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD Midland

**Client Sample ID:** TP9-2

**Project:** Jackson B 55

**Collection Date:** 7/21/2021 9:55:00 AM

**Lab ID:** 2107A94-018

**Matrix:** SOIL

**Received Date:** 7/22/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	59		mg/Kg	20	7/27/2021 9:18:37 PM	61585
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
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.

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

**Analytical Report**

Lab Order **2107A94**

Date Reported: **7/30/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD Midland

**Client Sample ID:** TP10-S

**Project:** Jackson B 55

**Collection Date:** 7/21/2021 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
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	7/27/2021 9:31:02 PM	61585
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
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.

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

**Analytical Report**

Lab Order **2107A94**

Date Reported: **7/30/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD Midland

**Client Sample ID:** TP10-2

**Project:** Jackson B 55

**Collection Date:** 7/21/2021 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
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	7/27/2021 9:43:26 PM	61585
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	7/24/2021 11:14:28 AM	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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
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.

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

**Analytical Report**

Lab Order **2107A94**

Date Reported: **7/30/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD Midland

**Client Sample ID:** TP11-S

**Project:** Jackson B 55

**Collection Date:** 7/21/2021 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
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	7/27/2021 9:55:51 PM	61585
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
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.

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

**Analytical Report**

Lab Order **2107A94**

Date Reported: **7/30/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**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 Date:** 7/22/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	7/27/2021 5:10:12 PM	61588
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
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.

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

**Analytical Report**

Lab Order **2107A94**

Date Reported: **7/30/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD Midland

**Client Sample ID:** TP12-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
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	7/27/2021 5:22:37 PM	61588
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	7/24/2021 11:43:21 AM	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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
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.

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

**Analytical Report**

Lab Order **2107A94**

Date Reported: **7/30/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD Midland

**Client Sample ID:** TP12-2

**Project:** Jackson B 55

**Collection Date:** 7/21/2021 10:55:00 AM

**Lab ID:** 2107A94-024

**Matrix:** SOIL

**Received Date:** 7/22/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	7/27/2021 5:35:01 PM	61588
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
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.

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

**Analytical Report**

Lab Order **2107A94**

Date Reported: **7/30/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**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 Date:** 7/22/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	77	59		mg/Kg	20	7/27/2021 5:47:26 PM	61588
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
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.

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

**Analytical Report**

Lab Order **2107A94**

Date Reported: **7/30/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**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 Date:** 7/22/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	7/27/2021 5:59:51 PM	61588
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
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.

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

**Analytical Report**

Lab Order **2107A94**

Date Reported: **7/30/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD Midland

**Client Sample ID:** TP14-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
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	61		mg/Kg	20	7/27/2021 6:12:15 PM	61588
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	7/24/2021 12:41:25 PM	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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
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.

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

**Analytical Report**

Lab Order **2107A94**

Date Reported: **7/30/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD Midland

**Client Sample ID:** TP14-2

**Project:** Jackson B 55

**Collection Date:** 7/21/2021 11:15:00 AM

**Lab ID:** 2107A94-028

**Matrix:** SOIL

**Received Date:** 7/22/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	62	60		mg/Kg	20	7/27/2021 6:49:29 PM	61588
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
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.

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

**Analytical Report**

Lab Order **2107A94**

Date Reported: **7/30/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD Midland

**Client Sample ID:** TP15-S

**Project:** Jackson B 55

**Collection Date:** 7/21/2021 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
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	7/27/2021 7:01:54 PM	61588
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
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.

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

**Analytical Report**

Lab Order **2107A94**

Date Reported: **7/30/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD Midland

**Client Sample ID:** TP15-2

**Project:** Jackson B 55

**Collection Date:** 7/21/2021 11:25:00 AM

**Lab ID:** 2107A94-030

**Matrix:** SOIL

**Received Date:** 7/22/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	60	60		mg/Kg	20	7/27/2021 7:14:19 PM	61588
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
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.

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

**Analytical Report**

Lab Order **2107A94**

Date Reported: **7/30/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD Midland

**Client Sample ID:** TP16-S

**Project:** Jackson B 55

**Collection Date:** 7/21/2021 11:30:00 AM

**Lab ID:** 2107A94-031

**Matrix:** SOIL

**Received Date:** 7/22/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	83	60		mg/Kg	20	7/27/2021 7:26:43 PM	61588
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
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.

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

**Analytical Report**

Lab Order **2107A94**

Date Reported: **7/30/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD Midland

**Client Sample ID:** TP16-2

**Project:** Jackson B 55

**Collection Date:** 7/21/2021 11:35:00 AM

**Lab ID:** 2107A94-032

**Matrix:** SOIL

**Received Date:** 7/22/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	66	60		mg/Kg	20	7/27/2021 7:39:07 PM	61588
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
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.

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

**Analytical Report**

Lab Order **2107A94**

Date Reported: **7/30/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD Midland

**Client Sample ID:** TP17-S

**Project:** Jackson B 55

**Collection Date:** 7/21/2021 11:45:00 AM

**Lab ID:** 2107A94-033

**Matrix:** SOIL

**Received Date:** 7/22/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	1300	60		mg/Kg	20	7/27/2021 7:51:32 PM	61588
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
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.

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

**Analytical Report**

Lab Order **2107A94**

Date Reported: **7/30/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD Midland

**Client Sample ID:** TP17-2

**Project:** Jackson B 55

**Collection Date:** 7/21/2021 11:50:00 AM

**Lab ID:** 2107A94-034

**Matrix:** SOIL

**Received Date:** 7/22/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	330	60		mg/Kg	20	7/27/2021 8:03:56 PM	61588
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
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.

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

**Analytical Report**

Lab Order **2107A94**

Date Reported: **7/30/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD Midland

**Client Sample ID:** TP18-S

**Project:** Jackson B 55

**Collection Date:** 7/21/2021 12:00:00 PM

**Lab ID:** 2107A94-035

**Matrix:** SOIL

**Received Date:** 7/22/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	7/27/2021 8:16:21 PM	61588
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
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.

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

**Analytical Report**

Lab Order **2107A94**

Date Reported: **7/30/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD Midland

**Client Sample ID:** TP18-2

**Project:** Jackson B 55

**Collection Date:** 7/21/2021 12:05:00 PM

**Lab ID:** 2107A94-036

**Matrix:** SOIL

**Received Date:** 7/22/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	150	61		mg/Kg	20	7/27/2021 8:28:46 PM	61588
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
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.

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2107A94

30-Jul-21

**Client:** GHD Midland

**Project:** Jackson B 55

Sample ID: <b>MB-61578</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>61578</b>	RunNo: <b>80089</b>								
Prep Date: <b>7/27/2021</b>	Analysis Date: <b>7/27/2021</b>	SeqNo: <b>2820505</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-61578</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>61578</b>	RunNo: <b>80089</b>								
Prep Date: <b>7/27/2021</b>	Analysis Date: <b>7/27/2021</b>	SeqNo: <b>2820506</b>	Units: <b>mg/Kg</b>							
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: <b>MB-61585</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>61585</b>	RunNo: <b>80089</b>								
Prep Date: <b>7/27/2021</b>	Analysis Date: <b>7/27/2021</b>	SeqNo: <b>2820535</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-61585</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>61585</b>	RunNo: <b>80089</b>								
Prep Date: <b>7/27/2021</b>	Analysis Date: <b>7/27/2021</b>	SeqNo: <b>2820536</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.3	90	110			

Sample ID: <b>MB-61588</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>61588</b>	RunNo: <b>80085</b>								
Prep Date: <b>7/27/2021</b>	Analysis Date: <b>7/27/2021</b>	SeqNo: <b>2821073</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-61588</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>61588</b>	RunNo: <b>80085</b>								
Prep Date: <b>7/27/2021</b>	Analysis Date: <b>7/27/2021</b>	SeqNo: <b>2821074</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.3	90	110			

**Qualifiers:**

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

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2107A94

30-Jul-21

**Client:** GHD Midland

**Project:** Jackson B 55

Sample ID: <b>MB-61521</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>61521</b>	RunNo: <b>80054</b>								
Prep Date: <b>7/23/2021</b>	Analysis Date: <b>7/24/2021</b>	SeqNo: <b>2817111</b>	Units: <b>mg/Kg</b>							
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: <b>LCS-61521</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>61521</b>	RunNo: <b>80054</b>								
Prep Date: <b>7/23/2021</b>	Analysis Date: <b>7/24/2021</b>	SeqNo: <b>2817113</b>	Units: <b>mg/Kg</b>							
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: <b>2107A94-019AMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>TP10-S</b>	Batch ID: <b>61521</b>	RunNo: <b>80054</b>								
Prep Date: <b>7/23/2021</b>	Analysis Date: <b>7/24/2021</b>	SeqNo: <b>2817115</b>	Units: <b>mg/Kg</b>							
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: <b>2107A94-019AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>TP10-S</b>	Batch ID: <b>61521</b>	RunNo: <b>80054</b>								
Prep Date: <b>7/23/2021</b>	Analysis Date: <b>7/24/2021</b>	SeqNo: <b>2817117</b>	Units: <b>mg/Kg</b>							
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: <b>MB-61519</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>61519</b>	RunNo: <b>80063</b>								
Prep Date: <b>7/23/2021</b>	Analysis Date: <b>7/24/2021</b>	SeqNo: <b>2817775</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		104	70	130			

**Qualifiers:**

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

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2107A94

30-Jul-21

**Client:** GHD Midland

**Project:** Jackson B 55

Sample ID: <b>LCS-61519</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>61519</b>	RunNo: <b>80063</b>								
Prep Date: <b>7/23/2021</b>	Analysis Date: <b>7/24/2021</b>	SeqNo: <b>2817777</b>	Units: <b>mg/Kg</b>							
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 Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2107A94

30-Jul-21

**Client:** GHD Midland

**Project:** Jackson B 55

Sample ID: <b>mb-61501</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>61501</b>	RunNo: <b>80051</b>								
Prep Date: <b>7/22/2021</b>	Analysis Date: <b>7/24/2021</b>	SeqNo: <b>2816733</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	930		1000		93.0	70	130			

Sample ID: <b>lcs-61501</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>61501</b>	RunNo: <b>80051</b>								
Prep Date: <b>7/22/2021</b>	Analysis Date: <b>7/23/2021</b>	SeqNo: <b>2816734</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	93.7	78.6	131			
Surr: BFB	1000		1000		99.8	70	130			

Sample ID: <b>mb-61502</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>61502</b>	RunNo: <b>80082</b>								
Prep Date: <b>7/22/2021</b>	Analysis Date: <b>7/26/2021</b>	SeqNo: <b>2818594</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	910		1000		91.3	70	130			

Sample ID: <b>LCS-61502</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>61502</b>	RunNo: <b>80082</b>								
Prep Date: <b>7/22/2021</b>	Analysis Date: <b>7/26/2021</b>	SeqNo: <b>2818595</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	102	78.6	131			
Surr: BFB	1100		1000		105	70	130			

Sample ID: <b>2107a94-019ams</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>TP10-S</b>	Batch ID: <b>61502</b>	RunNo: <b>80082</b>								
Prep Date: <b>7/22/2021</b>	Analysis Date: <b>7/26/2021</b>	SeqNo: <b>2818597</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	4.8	24.13	0	98.9	61.3	114			
Surr: BFB	1000		965.3		106	70	130			

Sample ID: <b>2107a94-019amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>TP10-S</b>	Batch ID: <b>61502</b>	RunNo: <b>80082</b>								
Prep Date: <b>7/22/2021</b>	Analysis Date: <b>7/26/2021</b>	SeqNo: <b>2818598</b>	Units: <b>mg/Kg</b>							
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 Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2107A94

30-Jul-21

**Client:** GHD Midland

**Project:** Jackson B 55

Sample ID: <b>2107a94-019amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>TP10-S</b>	Batch ID: <b>61502</b>	RunNo: <b>80082</b>								
Prep Date: <b>7/22/2021</b>	Analysis Date: <b>7/26/2021</b>	SeqNo: <b>2818598</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range 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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2107A94

30-Jul-21

**Client:** GHD Midland

**Project:** Jackson B 55

Sample ID: <b>mb-61501</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>61501</b>	RunNo: <b>80051</b>								
Prep Date: <b>7/22/2021</b>	Analysis Date: <b>7/24/2021</b>	SeqNo: <b>2816787</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.96		1.000		96.1	70	130			

Sample ID: <b>LCS-61501</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>61501</b>	RunNo: <b>80051</b>								
Prep Date: <b>7/22/2021</b>	Analysis Date: <b>7/23/2021</b>	SeqNo: <b>2816789</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	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: <b>mb-61502</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>61502</b>	RunNo: <b>80082</b>								
Prep Date: <b>7/22/2021</b>	Analysis Date: <b>7/26/2021</b>	SeqNo: <b>2818643</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.93		1.000		92.9	70	130			

Sample ID: <b>LCS-61502</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>61502</b>	RunNo: <b>80082</b>								
Prep Date: <b>7/22/2021</b>	Analysis Date: <b>7/26/2021</b>	SeqNo: <b>2818644</b>	Units: <b>mg/Kg</b>							
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 Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2107A94

30-Jul-21

**Client:** GHD Midland

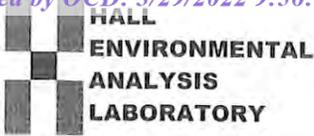
**Project:** Jackson B 55

Sample ID: <b>2107a94-020ams</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>TP10-2</b>	Batch ID: <b>61502</b>	RunNo: <b>80082</b>								
Prep Date: <b>7/22/2021</b>	Analysis Date: <b>7/26/2021</b>	SeqNo: <b>2818647</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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: <b>2107a94-020amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>TP10-2</b>	Batch ID: <b>61502</b>	RunNo: <b>80082</b>								
Prep Date: <b>7/22/2021</b>	Analysis Date: <b>7/26/2021</b>	SeqNo: <b>2818648</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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	
Xylenes, Total	2.7	0.098	2.947	0	92.9	80	120	1.11	20	
Surr: 4-Bromofluorobenzene	1.0		0.9823		103	70	130	0	0	

**Qualifiers:**

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



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

Sample Log-In Check List

Client Name: GHD Midland Work Order Number: 2107A94 RcptNo: 1

Received By: Juan Rojas 7/22/2021 7:30:00 AM [Signature]

Completed By: Isaiah Ortiz 7/22/2021 8:15:53 AM [Signature]

Reviewed By: JR 7/22/21

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [ ] Not Present [ ]
2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [ ] NA [ ]
4. Were all samples received at a temperature of >0° C to 6.0°C Yes [checked] No [ ] NA [ ]
5. Sample(s) in proper container(s)? Yes [checked] No [ ]
6. Sufficient sample volume for indicated test(s)? Yes [checked] No [ ]
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No [ ]
8. Was preservative added to bottles? Yes [ ] No [checked] NA [ ]
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [ ] No [ ] NA [checked]
10. Were any sample containers received broken? Yes [ ] No [checked]
11. Does paperwork match bottle labels? Yes [checked] No [ ]
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No [ ]
13. Is it clear what analyses were requested? Yes [checked] No [ ]
14. Were all holding times able to be met? Yes [checked] No [ ]

# of preserved bottles checked for pH: (<2 or >12 unless noted)

Adjusted?

Checked by: SPA 7-22-21

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [ ] No [ ] NA [checked]

Person Notified: [ ] Date: [ ]
By Whom: [ ] Via: [ ] eMail [ ] Phone [ ] Fax [ ] In Person [ ]
Regarding: [ ]
Client Instructions: [ ]

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Contains 2 rows of data.

### Chain-of-Custody Record

Client: GHD

Mailing Address:  
324 W. Main St. Suite 108, Artesia NM 88210  
Phone #: (505)377-4218

email or Fax#: [Becky.Haskell@ghd.com](mailto:Becky.Haskell@ghd.com)

QA/QC Package:  
 Standard  Level 4 (Full Validation)  
 Accreditation:  AZ Compliance  Other  
 NELAC  Other  
 EDD (Type)

Turn-Around Time: 5 Days  
 Standard  Rush

Project Name:  
Jackson B # 55

Project #: 11223609

Project Manager:  
Becky Haskell  
Tom Larson

Sampler: ~~Zach Comino~~ Heath Boyd  
 On Ice:  Yes  No

# of Coolers: 2

Cooler Temp (including CF): 5.6-0.1555

Container Type and #  
 Preservative Type  
 HEAL No.  
 4oz Jar 1 N/A  
 2107A94

Date	Time	Matrix	Sample Name
7/21/21	750	S	TP1-S
	800		TP1-Z
	810		TP2-S
	815		TP2-Z
	820		TP3-S
	830		TP3-Z
	835		TP4-S
	840		TP4-Z
	850		TP5-S
	855		TP5-Z
	910		TP6-S
X	915	X	TP6-Z

Date: 7/21/21 Time: 1600  
 Relinquished by: *[Signature]*

Date: 7/21/21 Time: 1900  
 Relinquished by: *[Signature]*

Received by: *[Signature]* Date: 7/21/21 Time: 1600  
 Via: *[Signature]*

Received by: *[Signature]* Date: 7/21/21 Time: 7:30  
 Via: *[Signature]*



### HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com  
 4901 Hawkins NE - Albuquerque, NM 87109  
 Tel. 505-345-3975 Fax 505-345-4107

#### Analysis Request

Analysis Request	Result
BTEX / MTBE / TMBs (8021)	X
TPH: 8015D(GRO / DRO / MRO)	X
8081 Pesticides/8082 PCB's	
EDB (Method 504.1)	
PAHs by 8310 or 8270SIMS	
RCRA 8 Metals	
Cl, F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub>	
8260 (VOA)	
8270 (Semi-VOA)	
Total Coliform (Present/Absent)	X Chloride Method 300

Remarks: Please email: Chase\_Settle@eogresources.com;  
 Tom.Larson@ghd.com; Zach.Comino@ghd.com: Along with  
 Becky Haskell listed above.  
 Direct Bill to EOG Chase Settle

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

### Chain-of-Custody Record

Client: GHD

Mailing Address:  
324 W. Main St. Suite 108, Artesia NM 88210  
Phone #: (505)377-4218

email or Fax#: [Becky.Haskell@ghd.com](mailto:Becky.Haskell@ghd.com)

QA/QC Package:  
 Standard  Level 4 (Full Validation)  
 Accreditation:  Az Compliance  
 NELAC  Other  
 EDD (Type)

Turn-Around Time:  
 Standard  Rush

Project Name:  
Jackson B #5

Project #:  
11723609

Project Manager:  
Becky Haskell  
Tom Larson

Sampler: ~~Becky Haskell~~ Heath Boyd

On Ice:  Yes  No

# of Coolers: 2

Cooler Temp (including CF): 5.6-0.1=5.5

Container Type and #  
4oz. Jar 1 N/A

Preservative Type  
1.5-0.1=1.4

HEAL No.  
21071A94

Date	Time	Matrix	Sample Name
7/21/21	920	S	TP7-S
	925		TP7-Z
	935		TP8-S
	940		TP8-Z
	950		TP9-S
	955		TP9-Z
	1020		TP10-S
	1025		TP10-Z
	1030		TP11-S
	1040		TP11-Z
	1050		TP12-S
X	1055	X	TP12-Z

Relinquished by: *[Signature]*

Date: 7/21/21 Time: 1600

Relinquished by: *[Signature]*

Date: 7/21/21 Time: 1900

Received by: *[Signature]* Date: 7/21/21 Time: 1600

Received by: *[Signature]* Date: 7/22/21 Time: 7:30



### HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com  
 4901 Hawkins NE - Albuquerque, NM 87109  
 Tel. 505-345-3975 Fax 505-345-4107

**Analysis Request**

BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub>	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chloride Method 300
X	X									X
X	X									X
X	X									X
X	X									X
X	X									X
X	X									X
X	X									X
X	X									X
X	X									X
X	X									X
X	X									X
X	X									X
X	X									X

Remarks: Please email: Chase\_Settle@eogresources.com; Tom.Larson@ghd.com; Zach.Comino@ghd.com: Along with Becky Haskell listed above.  
 Direct Bill to EOG Chase Settle

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

### Chain-of-Custody Record

Client: GHD  
 Turn-Around Time: 5 Days  
 Standard  Rush  
 Project Name: Jackson B # 5  
 Project #: 11223609  
 Project Manager: Becky Haskell  
 Tom Larson  
 Sampler: Zach Comino  
 On Ice:  Yes  No  
 # of Coolers: 2  
 Cooler Temp (including CF): 5.0-6.5-5.5  
 Container Type and #  
 Preservative Type  
 Date Time Matrix Sample Name  
 7/21/21 1100 S TP13-S  
 1105 TP13-Z  
 1110 TP14-S  
 1115 TP14-Z  
 1120 TP15-S  
 1125 TP15-Z  
 1130 TP16-S  
 1135 TP16-Z  
 1145 TP17-S  
 1150 TP17-Z  
 1200 TP18-S  
 1205 TP18-Z  
 Relinquished by: [Signature] Date: 7/21/21 Time: 1600  
 Relinquished by: [Signature] Date: 7/21/21 Time: 1900

324 W. Main St. Suite 108, Artesia NM 88210  
 Phone #: (505)377-4218  
 email or Fax#: Becky.Haskell@ghd.com  
 QA/QC Package:  
 Standard  Level 4 (Full Validation)  
 Accreditation:  Az Compliance  
 NELAC  Other  
 EDD (Type)

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
7/21/21	1100	S	TP13-S	4oz. Jar 1	N/A	21671A94
	1105		TP13-Z			
	1110		TP14-S			
	1115		TP14-Z			
	1120		TP15-S			
	1125		TP15-Z			
	1130		TP16-S			
	1135		TP16-Z			
	1145		TP17-S			
	1150		TP17-Z			
	1200		TP18-S			
	1205		TP18-Z			

Received by: [Signature] Date: 7/21/21 Time: 1600  
 Received by: [Signature] Date: 7/22/21 Time: 7:30



### HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com  
 4901 Hawkins NE - Albuquerque, NM 87109  
 Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Analysis Request	Result
BTEX / MTBE / TMB's (8021)	X
TPH:8015D(GRO / DRO / MRO)	X
8081 Pesticides/8082 PCBs	
EDB (Method 504.1)	
PAHs by 8310 or 8270SIMS	
RCRA 8 Metals	
Cl, F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub>	
8260 (VOA)	
8270 (Semi-VOA)	
Total Coliform (Present/Absent)	X (Chloride Method 300)

Remarks: Please email: Chase\_Settle@eogresources.com;  
 Tom.Larson@ghd.com; Zach.Comino@ghd.com: Along with  
 Becky Haskell listed above.  
 Direct Bill to EOG Chase Settle

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



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

November 11, 2021

Becky Haskell  
GHD Midland  
2135 S Loop 250 W  
Midland, TX 79703  
TEL: (432) 686-0086  
FAX:

RE: Jackson B 55

OrderNo.: 2111126

Dear Becky Haskell:

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](http://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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

**Analytical Report**

Lab Order 2111126

Date Reported: 11/11/2021

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD Midland

**Client Sample ID:** BH-1

**Project:** Jackson B 55

**Collection Date:** 11/1/2021 2:00:00 PM

**Lab ID:** 2111126-001

**Matrix:** SOIL

**Received Date:** 11/3/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	410	60		mg/Kg	20	11/3/2021 10:35:02 PM	63750
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
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.

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

**Analytical Report**

Lab Order 2111126

Date Reported: 11/11/2021

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD Midland

**Client Sample ID:** BH-2

**Project:** Jackson B 55

**Collection Date:** 11/1/2021 2:05:00 PM

**Lab ID:** 2111126-002

**Matrix:** SOIL

**Received Date:** 11/3/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	280	60		mg/Kg	20	11/3/2021 10:47:27 PM	63750
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	11/4/2021 10:59:22 AM	63743
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/4/2021 10:59:22 AM	63743
Surr: DNOP	123	70-130		%Rec	1	11/4/2021 10:59:22 AM	63743
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	11/4/2021 4:29:00 PM	63721
Surr: BFB	95.9	70-130		%Rec	1	11/4/2021 4:29:00 PM	63721
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	11/4/2021 4:29:00 PM	63721
Toluene	ND	0.050		mg/Kg	1	11/4/2021 4:29:00 PM	63721
Ethylbenzene	ND	0.050		mg/Kg	1	11/4/2021 4:29:00 PM	63721
Xylenes, Total	ND	0.099		mg/Kg	1	11/4/2021 4:29:00 PM	63721
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	11/4/2021 4:29:00 PM	63721

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

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

**Analytical Report**

Lab Order 2111126

Date Reported: 11/11/2021

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD Midland

**Client Sample ID:** BH-3

**Project:** Jackson B 55

**Collection Date:** 11/1/2021 2:10:00 PM

**Lab ID:** 2111126-003

**Matrix:** SOIL

**Received Date:** 11/3/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	470	59		mg/Kg	20	11/4/2021 10:16:46 AM	63762
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
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.

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

**Analytical Report**

Lab Order 2111126

Date Reported: 11/11/2021

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD Midland

**Client Sample ID:** BH-4

**Project:** Jackson B 55

**Collection Date:** 11/1/2021 2:15:00 PM

**Lab ID:** 2111126-004

**Matrix:** SOIL

**Received Date:** 11/3/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	74	60		mg/Kg	20	11/4/2021 10:53:59 AM	63762
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
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.

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

**Analytical Report**

Lab Order 2111126

Date Reported: 11/11/2021

**Hall Environmental Analysis Laboratory, Inc.**

**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 Date:** 11/3/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	80	60		mg/Kg	20	11/4/2021 11:06:23 AM	63762
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
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.

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

**Analytical Report**

Lab Order 2111126

Date Reported: 11/11/2021

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD Midland

**Client Sample ID:** BH-6

**Project:** Jackson B 55

**Collection Date:** 11/1/2021 2:25:00 PM

**Lab ID:** 2111126-006

**Matrix:** SOIL

**Received Date:** 11/3/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	11/4/2021 11:43:37 AM	63762
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
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.

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

**Analytical Report**

Lab Order 2111126

Date Reported: 11/11/2021

**Hall Environmental Analysis Laboratory, Inc.**

**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 Date:** 11/3/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	99	60		mg/Kg	20	11/4/2021 12:20:52 PM	63762
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
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.

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

**Analytical Report**

Lab Order 2111126

Date Reported: 11/11/2021

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD Midland

**Client Sample ID:** BH-8

**Project:** Jackson B 55

**Collection Date:** 11/1/2021 2:35:00 PM

**Lab ID:** 2111126-008

**Matrix:** SOIL

**Received Date:** 11/3/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	220	60		mg/Kg	20	11/4/2021 12:33:17 PM	63762
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
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.

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

**Analytical Report**

Lab Order 2111126

Date Reported: 11/11/2021

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD Midland

**Client Sample ID:** BH-9

**Project:** Jackson B 55

**Collection Date:** 11/1/2021 2:40:00 PM

**Lab ID:** 2111126-009

**Matrix:** SOIL

**Received Date:** 11/3/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	2500	150		mg/Kg	50	11/6/2021 1:14:28 AM	63762
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
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.

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

**Analytical Report**

Lab Order 2111126

Date Reported: 11/11/2021

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD Midland

**Client Sample ID:** BH-10

**Project:** Jackson B 55

**Collection Date:** 11/1/2021 2:45:00 PM

**Lab ID:** 2111126-010

**Matrix:** SOIL

**Received Date:** 11/3/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	120	60		mg/Kg	20	11/4/2021 12:58:05 PM	63762
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
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.

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

**Analytical Report**

Lab Order 2111126

Date Reported: 11/11/2021

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD Midland

**Client Sample ID:** BH-11

**Project:** Jackson B 55

**Collection Date:** 11/1/2021 2:50:00 PM

**Lab ID:** 2111126-011

**Matrix:** SOIL

**Received Date:** 11/3/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	970	60		mg/Kg	20	11/4/2021 1:10:30 PM	63762
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
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.

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

**Analytical Report**

Lab Order 2111126

Date Reported: 11/11/2021

**Hall Environmental Analysis Laboratory, Inc.**

**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 Date:** 11/3/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	640	60		mg/Kg	20	11/4/2021 1:22:55 PM	63762
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
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.

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

**Analytical Report**

Lab Order 2111126

Date Reported: 11/11/2021

**Hall Environmental Analysis Laboratory, Inc.**

**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 Date:** 11/3/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	110	60		mg/Kg	20	11/4/2021 1:35:20 PM	63762
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
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.

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

**Analytical Report**

Lab Order 2111126

Date Reported: 11/11/2021

**Hall Environmental Analysis Laboratory, Inc.**

**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
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	97	60		mg/Kg	20	11/4/2021 1:47:45 PM	63762
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
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.

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

**Analytical Report**

Lab Order 2111126

Date Reported: 11/11/2021

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD Midland

**Client Sample ID:** BH-15

**Project:** Jackson B 55

**Collection Date:** 11/1/2021 3:10:00 PM

**Lab ID:** 2111126-015

**Matrix:** SOIL

**Received Date:** 11/3/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	ND	60		mg/Kg	20	11/4/2021 10:14:41 AM	63763
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	11/5/2021 12:20:00 AM	63726
Surr: BFB	98.6	70-130		%Rec	1	11/5/2021 12:20:00 AM	63726
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	11/5/2021 12:20:00 AM	63726
Toluene	ND	0.050		mg/Kg	1	11/5/2021 12:20:00 AM	63726
Ethylbenzene	ND	0.050		mg/Kg	1	11/5/2021 12:20:00 AM	63726
Xylenes, Total	ND	0.099		mg/Kg	1	11/5/2021 12:20:00 AM	63726
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	11/5/2021 12:20:00 AM	63726

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

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

**Analytical Report**

Lab Order 2111126

Date Reported: 11/11/2021

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD Midland

**Client Sample ID:** BH-16

**Project:** Jackson B 55

**Collection Date:** 11/1/2021 3:15:00 PM

**Lab ID:** 2111126-016

**Matrix:** SOIL

**Received Date:** 11/3/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	150	60		mg/Kg	20	11/4/2021 10:27:05 AM	63763
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	11/5/2021 12:39:00 AM	63726
Surr: BFB	98.3	70-130		%Rec	1	11/5/2021 12:39:00 AM	63726
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	11/5/2021 12:39:00 AM	63726
Toluene	ND	0.050		mg/Kg	1	11/5/2021 12:39:00 AM	63726
Ethylbenzene	ND	0.050		mg/Kg	1	11/5/2021 12:39:00 AM	63726
Xylenes, Total	ND	0.10		mg/Kg	1	11/5/2021 12:39:00 AM	63726
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	11/5/2021 12:39:00 AM	63726

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

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

**Analytical Report**

Lab Order 2111126

Date Reported: 11/11/2021

**Hall Environmental Analysis Laboratory, Inc.**

**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 Date:** 11/3/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	100	60		mg/Kg	20	11/4/2021 10:39:29 AM	63763
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	11/4/2021 5:25:44 PM	63743
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/4/2021 5:25:44 PM	63743
Surr: DNOP	107	70-130		%Rec	1	11/4/2021 5:25:44 PM	63743
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/5/2021 12:59:00 AM	63726
Surr: BFB	98.2	70-130		%Rec	1	11/5/2021 12:59:00 AM	63726
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	11/5/2021 12:59:00 AM	63726
Toluene	ND	0.047		mg/Kg	1	11/5/2021 12:59:00 AM	63726
Ethylbenzene	ND	0.047		mg/Kg	1	11/5/2021 12:59:00 AM	63726
Xylenes, Total	ND	0.095		mg/Kg	1	11/5/2021 12:59:00 AM	63726
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	11/5/2021 12:59:00 AM	63726

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

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

**Analytical Report**

Lab Order 2111126

Date Reported: 11/11/2021

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD Midland

**Client Sample ID:** BH-18

**Project:** Jackson B 55

**Collection Date:** 11/1/2021 3:25:00 PM

**Lab ID:** 2111126-018

**Matrix:** SOIL

**Received Date:** 11/3/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	63	60		mg/Kg	20	11/4/2021 10:51:53 AM	63763
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	11/4/2021 5:50:06 PM	63743
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/4/2021 5:50:06 PM	63743
Surr: DNOP	76.2	70-130		%Rec	1	11/4/2021 5:50:06 PM	63743
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/5/2021 1:19:00 AM	63726
Surr: BFB	101	70-130		%Rec	1	11/5/2021 1:19:00 AM	63726
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	11/5/2021 1:19:00 AM	63726
Toluene	ND	0.048		mg/Kg	1	11/5/2021 1:19:00 AM	63726
Ethylbenzene	ND	0.048		mg/Kg	1	11/5/2021 1:19:00 AM	63726
Xylenes, Total	ND	0.096		mg/Kg	1	11/5/2021 1:19:00 AM	63726
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	11/5/2021 1:19:00 AM	63726

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

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

**Analytical Report**

Lab Order 2111126

Date Reported: 11/11/2021

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD Midland

**Client Sample ID:** BH-19

**Project:** Jackson B 55

**Collection Date:** 11/1/2021 3:30:00 PM

**Lab ID:** 2111126-019

**Matrix:** SOIL

**Received Date:** 11/3/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	ND	60		mg/Kg	20	11/4/2021 11:04:17 AM	63763
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
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.

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

**Analytical Report**

Lab Order 2111126

Date Reported: 11/11/2021

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD Midland

**Client Sample ID:** BH-20

**Project:** Jackson B 55

**Collection Date:** 11/1/2021 3:35:00 PM

**Lab ID:** 2111126-020

**Matrix:** SOIL

**Received Date:** 11/3/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	70	60		mg/Kg	20	11/4/2021 11:41:31 AM	63763
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
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.

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

**Analytical Report**

Lab Order 2111126

Date Reported: 11/11/2021

**Hall Environmental Analysis Laboratory, Inc.**

**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:** 11/3/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	ND	60		mg/Kg	20	11/5/2021 2:04:31 PM	63784
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
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.

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

**Analytical Report**

Lab Order 2111126

Date Reported: 11/11/2021

**Hall Environmental Analysis Laboratory, Inc.**

**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 Date:** 11/3/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	ND	60		mg/Kg	20	11/5/2021 3:06:33 PM	63784
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
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.

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

**Analytical Report**

Lab Order 2111126

Date Reported: 11/11/2021

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD Midland

**Client Sample ID:** BH-23

**Project:** Jackson B 55

**Collection Date:** 11/1/2021 3:50:00 PM

**Lab ID:** 2111126-023

**Matrix:** SOIL

**Received Date:** 11/3/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	120	60		mg/Kg	20	11/5/2021 3:43:46 PM	63784
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
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.

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

**Analytical Report**

Lab Order 2111126

Date Reported: 11/11/2021

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD Midland

**Client Sample ID:** BH-24

**Project:** Jackson B 55

**Collection Date:** 11/1/2021 3:55:00 PM

**Lab ID:** 2111126-024

**Matrix:** SOIL

**Received Date:** 11/3/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	ND	60		mg/Kg	20	11/5/2021 3:56:10 PM	63784
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
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.

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

**Analytical Report**

Lab Order 2111126

Date Reported: 11/11/2021

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD Midland

**Client Sample ID:** BH-25

**Project:** Jackson B 55

**Collection Date:** 11/1/2021 4:00:00 PM

**Lab ID:** 2111126-025

**Matrix:** SOIL

**Received Date:** 11/3/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	ND	60		mg/Kg	20	11/5/2021 4:08:35 PM	63784
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
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.

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

**Analytical Report**

Lab Order 2111126

Date Reported: 11/11/2021

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD Midland

**Client Sample ID:** BH-26

**Project:** Jackson B 55

**Collection Date:** 11/1/2021 4:05:00 PM

**Lab ID:** 2111126-026

**Matrix:** SOIL

**Received Date:** 11/3/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	ND	60		mg/Kg	20	11/5/2021 4:45:48 PM	63792
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	11/5/2021 3:54:55 PM	63756
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/5/2021 3:54:55 PM	63756
Surr: DNOP	81.1	70-130		%Rec	1	11/5/2021 3:54:55 PM	63756
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/4/2021 11:14:12 PM	63739
Surr: BFB	99.3	70-130		%Rec	1	11/4/2021 11:14:12 PM	63739
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.023		mg/Kg	1	11/4/2021 11:14:12 PM	63739
Toluene	ND	0.047		mg/Kg	1	11/4/2021 11:14:12 PM	63739
Ethylbenzene	ND	0.047		mg/Kg	1	11/4/2021 11:14:12 PM	63739
Xylenes, Total	ND	0.094		mg/Kg	1	11/4/2021 11:14:12 PM	63739
Surr: 4-Bromofluorobenzene	99.6	70-130		%Rec	1	11/4/2021 11:14:12 PM	63739

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

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

**Analytical Report**

Lab Order 2111126

Date Reported: 11/11/2021

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD Midland

**Client Sample ID:** SW-1

**Project:** Jackson B 55

**Collection Date:** 11/1/2021 4:10:00 PM

**Lab ID:** 2111126-027

**Matrix:** SOIL

**Received Date:** 11/3/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	320	59		mg/Kg	20	11/5/2021 5:47:50 PM	63792
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	11/4/2021 11:37:38 PM	63739
Surr: BFB	100	70-130		%Rec	1	11/4/2021 11:37:38 PM	63739
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.023		mg/Kg	1	11/4/2021 11:37:38 PM	63739
Toluene	ND	0.046		mg/Kg	1	11/4/2021 11:37:38 PM	63739
Ethylbenzene	ND	0.046		mg/Kg	1	11/4/2021 11:37:38 PM	63739
Xylenes, Total	ND	0.092		mg/Kg	1	11/4/2021 11:37:38 PM	63739
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	11/4/2021 11:37:38 PM	63739

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

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

**Analytical Report**

Lab Order 2111126

Date Reported: 11/11/2021

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD Midland

**Client Sample ID:** SW-2

**Project:** Jackson B 55

**Collection Date:** 11/1/2021 4:15:00 PM

**Lab ID:** 2111126-028

**Matrix:** SOIL

**Received Date:** 11/3/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	350	60		mg/Kg	20	11/5/2021 6:25:05 PM	63792
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
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.

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

**Analytical Report**

Lab Order 2111126

Date Reported: 11/11/2021

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD Midland

**Client Sample ID:** SW-3

**Project:** Jackson B 55

**Collection Date:** 11/1/2021 4:20:00 PM

**Lab ID:** 2111126-029

**Matrix:** SOIL

**Received Date:** 11/3/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	87	60		mg/Kg	20	11/5/2021 6:37:29 PM	63792
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
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.

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

**Analytical Report**

Lab Order 2111126

Date Reported: 11/11/2021

**Hall Environmental Analysis Laboratory, Inc.**

**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
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	180	60		mg/Kg	20	11/5/2021 6:49:53 PM	63792
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
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.

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

**Analytical Report**

Lab Order 2111126

Date Reported: 11/11/2021

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD Midland

**Client Sample ID:** SW-5

**Project:** Jackson B 55

**Collection Date:** 11/1/2021 4:30:00 PM

**Lab ID:** 2111126-031

**Matrix:** SOIL

**Received Date:** 11/3/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	ND	60		mg/Kg	20	11/5/2021 7:02:17 PM	63792
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
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.

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

**Analytical Report**

Lab Order 2111126

Date Reported: 11/11/2021

**Hall Environmental Analysis Laboratory, Inc.**

**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

**Received Date:** 11/3/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	61	59		mg/Kg	20	11/5/2021 7:14:42 PM	63792
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
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.

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

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2111126

11-Nov-21

**Client:** GHD Midland

**Project:** Jackson B 55

Sample ID: <b>MB-63750</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63750</b>	RunNo: <b>82554</b>								
Prep Date: <b>11/3/2021</b>	Analysis Date: <b>11/3/2021</b>	SeqNo: <b>2930779</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-63750</b>	SampType: <b>ics</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63750</b>	RunNo: <b>82554</b>								
Prep Date: <b>11/3/2021</b>	Analysis Date: <b>11/3/2021</b>	SeqNo: <b>2930780</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.6	90	110			

Sample ID: <b>MB-63763</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63763</b>	RunNo: <b>82612</b>								
Prep Date: <b>11/4/2021</b>	Analysis Date: <b>11/4/2021</b>	SeqNo: <b>2932209</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-63763</b>	SampType: <b>ics</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63763</b>	RunNo: <b>82612</b>								
Prep Date: <b>11/4/2021</b>	Analysis Date: <b>11/4/2021</b>	SeqNo: <b>2932210</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.1	90	110			

Sample ID: <b>MB-63762</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63762</b>	RunNo: <b>82614</b>								
Prep Date: <b>11/4/2021</b>	Analysis Date: <b>11/4/2021</b>	SeqNo: <b>2932376</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-63762</b>	SampType: <b>ics</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63762</b>	RunNo: <b>82614</b>								
Prep Date: <b>11/4/2021</b>	Analysis Date: <b>11/4/2021</b>	SeqNo: <b>2932377</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.6	90	110			

**Qualifiers:**

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

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2111126

11-Nov-21

**Client:** GHD Midland

**Project:** Jackson B 55

Sample ID: <b>MB-63784</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63784</b>	RunNo: <b>82637</b>								
Prep Date: <b>11/5/2021</b>	Analysis Date: <b>11/5/2021</b>	SeqNo: <b>2933906</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-63784</b>	SampType: <b>ics</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63784</b>	RunNo: <b>82637</b>								
Prep Date: <b>11/5/2021</b>	Analysis Date: <b>11/5/2021</b>	SeqNo: <b>2933907</b>	Units: <b>mg/Kg</b>							
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			

Sample ID: <b>MB-63792</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63792</b>	RunNo: <b>82637</b>								
Prep Date: <b>11/5/2021</b>	Analysis Date: <b>11/5/2021</b>	SeqNo: <b>2933936</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-63792</b>	SampType: <b>ics</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63792</b>	RunNo: <b>82637</b>								
Prep Date: <b>11/5/2021</b>	Analysis Date: <b>11/5/2021</b>	SeqNo: <b>2933937</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.7	90	110			

**Qualifiers:**

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2111126

11-Nov-21

**Client:** GHD Midland

**Project:** Jackson B 55

Sample ID: <b>LCS-63743</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63743</b>	RunNo: <b>82578</b>								
Prep Date: <b>11/3/2021</b>	Analysis Date: <b>11/4/2021</b>	SeqNo: <b>2931839</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	10	50.00	0	101	68.9	135			
Surr: DNOP	5.0		5.000		101	70	130			

Sample ID: <b>MB-63743</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63743</b>	RunNo: <b>82578</b>								
Prep Date: <b>11/3/2021</b>	Analysis Date: <b>11/4/2021</b>	SeqNo: <b>2931840</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.3		10.00		92.6	70	130			

Sample ID: <b>2111126-001AMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>BH-1</b>	Batch ID: <b>63743</b>	RunNo: <b>82578</b>								
Prep Date: <b>11/3/2021</b>	Analysis Date: <b>11/4/2021</b>	SeqNo: <b>2932241</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	49.75	0	101	39.3	155			
Surr: DNOP	5.0		4.975		100	70	130			

Sample ID: <b>2111126-001AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>BH-1</b>	Batch ID: <b>63743</b>	RunNo: <b>82578</b>								
Prep Date: <b>11/3/2021</b>	Analysis Date: <b>11/4/2021</b>	SeqNo: <b>2932242</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	9.9	49.55	0	102	39.3	155	0.181	23.4	
Surr: DNOP	4.8		4.955		97.7	70	130	0	0	

Sample ID: <b>2111126-021AMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>BH-21</b>	Batch ID: <b>63756</b>	RunNo: <b>82622</b>								
Prep Date: <b>11/4/2021</b>	Analysis Date: <b>11/5/2021</b>	SeqNo: <b>2934279</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	9.1	45.50	0	96.2	39.3	155			
Surr: DNOP	3.0		4.550		65.1	70	130			S

**Qualifiers:**

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

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2111126

11-Nov-21

**Client:** GHD Midland

**Project:** Jackson B 55

Sample ID: <b>2111126-021AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>BH-21</b>	Batch ID: <b>63756</b>	RunNo: <b>82622</b>								
Prep Date: <b>11/4/2021</b>	Analysis Date: <b>11/5/2021</b>	SeqNo: <b>2934280</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	9.8	49.07	0	92.9	39.3	155	4.02	23.4	
Surr: DNOP	3.2		4.907		65.3	70	130	0	0	S

Sample ID: <b>LCS-63756</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63756</b>	RunNo: <b>82622</b>								
Prep Date: <b>11/4/2021</b>	Analysis Date: <b>11/5/2021</b>	SeqNo: <b>2934322</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	93.4	68.9	135			
Surr: DNOP	4.4		5.000		87.6	70	130			

Sample ID: <b>MB-63756</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63756</b>	RunNo: <b>82622</b>								
Prep Date: <b>11/4/2021</b>	Analysis Date: <b>11/5/2021</b>	SeqNo: <b>2934324</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.0		10.00		90.5	70	130			

**Qualifiers:**

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2111126

11-Nov-21

**Client:** GHD Midland

**Project:** Jackson B 55

Sample ID: <b>mb-63721</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>63721</b>		RunNo: <b>82606</b>							
Prep Date: <b>11/3/2021</b>	Analysis Date: <b>11/4/2021</b>		SeqNo: <b>2931910</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		103	70	130			

Sample ID: <b>mb-63726</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>63726</b>		RunNo: <b>82606</b>							
Prep Date: <b>11/3/2021</b>	Analysis Date: <b>11/4/2021</b>		SeqNo: <b>2931911</b>		Units: <b>mg/Kg</b>					
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		95.9	70	130			

Sample ID: <b>lcs-63721</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>63721</b>		RunNo: <b>82606</b>							
Prep Date: <b>11/3/2021</b>	Analysis Date: <b>11/4/2021</b>		SeqNo: <b>2931912</b>		Units: <b>mg/Kg</b>					
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: <b>lcs-63726</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>63726</b>		RunNo: <b>82606</b>							
Prep Date: <b>11/3/2021</b>	Analysis Date: <b>11/4/2021</b>		SeqNo: <b>2931913</b>		Units: <b>mg/Kg</b>					
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: <b>2111126-004ams</b>	SampType: <b>MS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>BH-4</b>	Batch ID: <b>63726</b>		RunNo: <b>82606</b>							
Prep Date: <b>11/3/2021</b>	Analysis Date: <b>11/4/2021</b>		SeqNo: <b>2931915</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	4.8	24.18	0	116	61.3	114			S
Surr: BFB	1100		967.1		115	70	130			

Sample ID: <b>2111126-004amsd</b>	SampType: <b>MSD</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>BH-4</b>	Batch ID: <b>63726</b>		RunNo: <b>82606</b>							
Prep Date: <b>11/3/2021</b>	Analysis Date: <b>11/4/2021</b>		SeqNo: <b>2931917</b>		Units: <b>mg/Kg</b>					
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 Quantitative 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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2111126

11-Nov-21

**Client:** GHD Midland

**Project:** Jackson B 55

Sample ID: <b>2111126-004amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>BH-4</b>	Batch ID: <b>63726</b>	RunNo: <b>82606</b>								
Prep Date: <b>11/3/2021</b>	Analysis Date: <b>11/4/2021</b>	SeqNo: <b>2931917</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range 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: <b>mb-63739</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63739</b>	RunNo: <b>82607</b>								
Prep Date: <b>11/3/2021</b>	Analysis Date: <b>11/4/2021</b>	SeqNo: <b>2932036</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	980		1000		98.5	70	130			

Sample ID: <b>lcs-63739</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63739</b>	RunNo: <b>82607</b>								
Prep Date: <b>11/3/2021</b>	Analysis Date: <b>11/4/2021</b>	SeqNo: <b>2932037</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	97.0	78.6	131			
Surr: BFB	1100		1000		113	70	130			

Sample ID: <b>2111126-024ams</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>BH-24</b>	Batch ID: <b>63739</b>	RunNo: <b>82607</b>								
Prep Date: <b>11/3/2021</b>	Analysis Date: <b>11/4/2021</b>	SeqNo: <b>2932041</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	4.9	24.44	0	100	61.3	114			
Surr: BFB	1100		977.5		115	70	130			

Sample ID: <b>2111126-024amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>BH-24</b>	Batch ID: <b>63739</b>	RunNo: <b>82607</b>								
Prep Date: <b>11/3/2021</b>	Analysis Date: <b>11/4/2021</b>	SeqNo: <b>2932042</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range 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: <b>MB-63765</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63765</b>	RunNo: <b>82648</b>								
Prep Date: <b>11/4/2021</b>	Analysis Date: <b>11/6/2021</b>	SeqNo: <b>2933643</b>	Units: <b>%Rec</b>							
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 Quantitative 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

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2111126

11-Nov-21

**Client:** GHD Midland

**Project:** Jackson B 55

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

Sample ID: <b>LCS-63765</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63765</b>	RunNo: <b>82648</b>								
Prep Date: <b>11/4/2021</b>	Analysis Date: <b>11/6/2021</b>	SeqNo: <b>2933644</b>	Units: <b>%Rec</b>							
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 Quantitative 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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2111126

11-Nov-21

**Client:** GHD Midland

**Project:** Jackson B 55

Sample ID: <b>mb-63721</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63721</b>	RunNo: <b>82606</b>								
Prep Date: <b>11/3/2021</b>	Analysis Date: <b>11/4/2021</b>	SeqNo: <b>2931958</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		108	70	130			

Sample ID: <b>mb-63726</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63726</b>	RunNo: <b>82606</b>								
Prep Date: <b>11/3/2021</b>	Analysis Date: <b>11/4/2021</b>	SeqNo: <b>2931959</b>	Units: <b>mg/Kg</b>							
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		102	70	130			

Sample ID: <b>lcs-63721</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63721</b>	RunNo: <b>82606</b>								
Prep Date: <b>11/3/2021</b>	Analysis Date: <b>11/4/2021</b>	SeqNo: <b>2931960</b>	Units: <b>mg/Kg</b>							
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-Bromofluorobenzene	1.1		1.000		110	70	130			

Sample ID: <b>lcs-63726</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63726</b>	RunNo: <b>82606</b>								
Prep Date: <b>11/3/2021</b>	Analysis Date: <b>11/4/2021</b>	SeqNo: <b>2931961</b>	Units: <b>mg/Kg</b>							
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-Bromofluorobenzene	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 Quantitative 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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2111126

11-Nov-21

**Client:** GHD Midland

**Project:** Jackson B 55

Sample ID: <b>2111126-005ams</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>BH-5</b>	Batch ID: <b>63726</b>	RunNo: <b>82606</b>								
Prep Date: <b>11/3/2021</b>	Analysis Date: <b>11/4/2021</b>	SeqNo: <b>2931963</b>	Units: <b>mg/Kg</b>							
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: <b>2111126-005amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>BH-5</b>	Batch ID: <b>63726</b>	RunNo: <b>82606</b>								
Prep Date: <b>11/3/2021</b>	Analysis Date: <b>11/4/2021</b>	SeqNo: <b>2931965</b>	Units: <b>mg/Kg</b>							
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: <b>mb-63739</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63739</b>	RunNo: <b>82607</b>								
Prep Date: <b>11/3/2021</b>	Analysis Date: <b>11/4/2021</b>	SeqNo: <b>2932112</b>	Units: <b>mg/Kg</b>							
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: <b>LCS-63739</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63739</b>	RunNo: <b>82607</b>								
Prep Date: <b>11/3/2021</b>	Analysis Date: <b>11/4/2021</b>	SeqNo: <b>2932114</b>	Units: <b>mg/Kg</b>							
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	0.87	0.050	1.000	0	86.8	80	120			
Xylenes, Total	2.6	0.10	3.000	0	86.9	80	120			
Surr: 4-Bromofluorobenzene	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 Quantitative 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

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2111126

11-Nov-21

**Client:** GHD Midland

**Project:** Jackson B 55

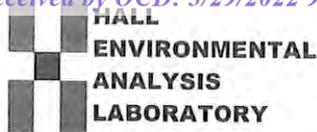
Sample ID: <b>2111126-025ams</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>BH-25</b>	Batch ID: <b>63739</b>	RunNo: <b>82607</b>								
Prep Date: <b>11/3/2021</b>	Analysis Date: <b>11/4/2021</b>	SeqNo: <b>2932119</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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: <b>2111126-025amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>BH-25</b>	Batch ID: <b>63739</b>	RunNo: <b>82607</b>								
Prep Date: <b>11/3/2021</b>	Analysis Date: <b>11/4/2021</b>	SeqNo: <b>2932121</b>	Units: <b>mg/Kg</b>							
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: <b>MB-63765</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63765</b>	RunNo: <b>82648</b>								
Prep Date: <b>11/4/2021</b>	Analysis Date: <b>11/6/2021</b>	SeqNo: <b>2933696</b>	Units: <b>%Rec</b>							
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			

**Qualifiers:**

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



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

Sample Log-In Check List

Client Name: GHD Midland

Work Order Number: 2111126

RcptNo: 1

Received By: Cheyenne Cason 11/3/2021 7:35:00 AM

Handwritten signature

Completed By: Desiree Dominguez 11/3/2021 8:16:05 AM

Handwritten signature

Reviewed By: DAD 11/03/21

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [ ] Not Present [ ]
2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [ ] NA [ ]
4. Were all samples received at a temperature of >0° C to 6.0°C Yes [checked] No [ ] NA [ ]
5. Sample(s) in proper container(s)? Yes [checked] No [ ]
6. Sufficient sample volume for indicated test(s)? Yes [checked] No [ ]
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No [ ]
8. Was preservative added to bottles? Yes [ ] No [checked] NA [ ]
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [ ] No [ ] NA [checked]
10. Were any sample containers received broken? Yes [ ] No [checked]
11. Does paperwork match bottle labels? Yes [checked] No [ ]
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No [ ]
13. Is it clear what analyses were requested? Yes [checked] No [ ]
14. Were all holding times able to be met? Yes [checked] No [ ]

# of preserved bottles checked for pH: (<2 or >12 unless noted)
Adjusted?
Checked by: [Signature] 11-3-21

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [ ] No [ ] NA [checked]

Person Notified: [ ] Date: [ ]
By Whom: [ ] Via: [ ] eMail [ ] Phone [ ] Fax [ ] In Person [ ]
Regarding: [ ]
Client Instructions: [ ]

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 2.4, Good, [ ], [ ], [ ], [ ]

### Chain-of-Custody Record

Client: GHD

Mailing Address:  
 324 W. Main St. Suite 108, Artesia NM 88210  
 Phone #: (505)377-4218  
 email or Fax#: Becky.Haskell@ghd.com

QA/QC Package:  
 Standard  Level 4 (Full Validation)  
 Accreditation:  Az Compliance  
 NELAC  Other  
 EDD (Type)

Turn-Around Time:  
 Standard  Rush 5-day

Project Name:  
Jackson B # 55

Project #:  
11226309

Project Manager:  
 Becky Haskell  
 Tom Larson

Sampler: Zach Comino

On Ice:  Yes  No

# of Coolers: 1

Cooler Temp (including CF): 2.4 - 0 = 2.4

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
11/22	1400	S	BH-1	Jaw		211126
	1405		BH-2			-001
	1410		BH-3			-002
	1415		BH-4			-003
	1420		BH-5			-004
	1425		BH-6			-005
	1430		BH-7			-006
	1435		BH-8			-007
	1440		BH-9			-008
	1445		BH-10			-009
	1450		BH-11			-010
	1455		BH-12			-011
						-012

Date: 11/22 Time: 0800 Relinquished by: Zach Comino

Date: 11/22 Time: 1900 Relinquished by: Becky Haskell

Received by: Becky Haskell Date: 11/22 Time: 800

Received by: Becky Haskell Date: 11/22 Time: 800

Received by: Becky Haskell Date: 11/22 Time: 800



**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109  
 Tel. 505-345-3975 Fax 505-345-4107

**Analysis Request**

BTEX / MTBE / TMB's (8021)	α	
TPH:8015D(GRO / DRO / MRO)	α	
8081 Pesticides/8082 PCB's		
EDB (Method 504.1)		
PAHs by 8310 or 8270SIMS		
RCRA 8 Metals		
Cl, F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub>		
8260 (VOA)		
8270 (Semi-VOA)		
Total Coliform (Present/Absent)		Chloride Method 500

Remarks: Please email: Chase\_Settle@eogresources.com;  
 Tom.Larson@ghd.com; Zach.Comino@ghd.com  
 Matthew.Laughlin@ghd.com: Along with Becky Haskell listed above.

Direct Bill to EOG Chase Settle

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

### Chain-of-Custody Record

Client: GHD

Mailing Address:  
324 W. Main St. Suite 108, Artesia NM 88210  
Phone #: (505)377-4218  
email or Fax#: Becky.Haskell@ghd.com

QA/QC Package:  
 Standard  Level 4 (Full Validation)  
Accreditation:  Az Compliance  Other  
 NELAC  
 EDD (Type)

Turn-Around Time:  
 Standard  Rush 5-day

Project Name:  
Jackson B # 55

Project #:  
11226309

Project Manager:  
Becky Haskell  
Tom Larson

Sampler: Zach Comino

On Ice:  Yes  No

# of Coolers: 1

Cooler Temp (including CF): 2.4 - 0 = 2.4

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
11/21	1500	S	BH-13	Jar		211126
	1505		BH-14			-013
	1510		BH-15			-014
	1515		BH-16			DATE 11-21-21 -015
	1520		BH-17			-014
	1525		BH-18			-017
	1530		BH-19			-018
	1535		BH-20			-019
	1540		BH-21			-020
	1545		BH-22			-021
	1550		BH-23			-022
	1555		BH-24			-023

Date: 11/21/21 Time: 0800 Relinquished by: Zach Comino

Date: 11/21/21 Time: 1900 Relinquished by: Becky Haskell

Received by: Becky Haskell Via: Express Date: 11/21/21 Time: 0800

Received by: One Count Via: Express Date: 11/30/21 Time: 0735



**HALL ENVIRONMENTAL ANALYSIS LABORATORY**  
www.hallenvironmental.com  
4901 Hawkins NE - Albuquerque, NM 87109  
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

BTEX / MTBE / TMB's (8021)	α	
TPH:8015D(GRO / DRO / MRO)	α	
8081 Pesticides/8082 PCB's		
EDB (Method 504.1)		
PAH's by 8310 or 8270SIMS		
RCRA 8 Metals		
Cl, F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub>		
8260 (VOA)		
8270 (Semi-VOA)		
Total Coliform (Present/Absent)	α	Chloride Method 500

Remarks: Please email: Chase.Settle@eogresources.com;  
Tom.Larson@ghd.com; Zach.Comino@ghd.com  
Matthew.Laughlin@ghd.com: Along with Becky Haskell listed above.  
Direct Bill to EOG Chase Settle

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# Chain-of-Custody Record

Client: GHD

Mailing Address:

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

Phone #: (505)377-4218

email or Fax#: [Becky.Haskell@ghd.com](mailto:Becky.Haskell@ghd.com)

QA/QC Package:

Standard  Level 4 (Full Validation)

Accreditation:  Az Compliance

NELAC  Other

EDD (Type)

Turn-Around Time:

Standard  Rush 5-day

Project Name:

Jackson B # 55

Project #:

11226309

Project Manager:

Becky Haskell

Tom Larson

Sampler: Zach Comino

On Ice:  Yes  No

# of Coolers: 1

Cooler Temp (including CF): 2.4 - 0.2 - 2.4

Container Type and #

Preservative Type

HEAL No. 211126

Jar

-025

-026

-027

-028

-029

-030

-031

-032

Date: Time: Relinquished by:

Date: Time: Relinquished by:

11/21 1900 Comino

11/21 0800 Comino

11/21 0735 Courier

Received by: Via: Date Time

Received by: Via: Date Time

Remarks: Please email: Chase\_Settle@eogresources.com; Tom.Larson@ghd.com; Zach.Comino@ghd.com Matthew.Laughlin@ghd.com: Along with Becky Haskell listed above.

Direct Bill to EOG Chase Settle



## HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

### Analysis Request

BTEX / MTBE / TMBs (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCBs	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub>	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	
✓	✓								✓	Chloride Nitrate 500

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



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

November 11, 2021

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

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](http://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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

**Analytical Report**

Lab Order 2111224

Date Reported: 11/11/2021

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD Midland

**Client Sample ID:** NBH-1

**Project:** Jackson B 55

**Collection Date:** 11/2/2021 7:45:00 AM

**Lab ID:** 2111224-001

**Matrix:** SOIL

**Received Date:** 11/4/2021 7:44:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	73	60		mg/Kg	20	11/6/2021 3:36:31 PM	63796
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
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.

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

**Analytical Report**

Lab Order 2111224

Date Reported: 11/11/2021

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD Midland

**Client Sample ID:** NSW-1

**Project:** Jackson B 55

**Collection Date:** 11/2/2021 8:00:00 AM

**Lab ID:** 2111224-002

**Matrix:** SOIL

**Received Date:** 11/4/2021 7:44:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	11/6/2021 3:48:54 PM	63796
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
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.

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

**Analytical Report**

Lab Order 2111224

Date Reported: 11/11/2021

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD Midland

**Client Sample ID:** NSW-2

**Project:** Jackson B 55

**Collection Date:** 11/2/2021 8:15:00 AM

**Lab ID:** 2111224-003

**Matrix:** SOIL

**Received Date:** 11/4/2021 7:44:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	11/6/2021 4:01:15 PM	63796
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
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.

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

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2111224

11-Nov-21

**Client:** GHD Midland

**Project:** Jackson B 55

Sample ID: <b>MB-63796</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63796</b>	RunNo: <b>82658</b>								
Prep Date: <b>11/5/2021</b>	Analysis Date: <b>11/6/2021</b>	SeqNo: <b>2934243</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-63796</b>	SampType: <b>ics</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63796</b>	RunNo: <b>82658</b>								
Prep Date: <b>11/5/2021</b>	Analysis Date: <b>11/6/2021</b>	SeqNo: <b>2934244</b>	Units: <b>mg/Kg</b>							
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 Quantitative 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

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2111224

11-Nov-21

**Client:** GHD Midland

**Project:** Jackson B 55

Sample ID: <b>MB-63789</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63789</b>	RunNo: <b>82690</b>								
Prep Date: <b>11/5/2021</b>	Analysis Date: <b>11/8/2021</b>	SeqNo: <b>2936051</b>	Units: <b>mg/Kg</b>							
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: <b>LCS-63789</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63789</b>	RunNo: <b>82690</b>								
Prep Date: <b>11/5/2021</b>	Analysis Date: <b>11/8/2021</b>	SeqNo: <b>2936052</b>	Units: <b>mg/Kg</b>							
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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2111224

11-Nov-21

**Client:** GHD Midland

**Project:** Jackson B 55

Sample ID: <b>MB-63765</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63765</b>	RunNo: <b>82648</b>								
Prep Date: <b>11/4/2021</b>	Analysis Date: <b>11/6/2021</b>	SeqNo: <b>2933643</b>	Units: <b>mg/Kg</b>							
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: <b>LCS-63765</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63765</b>	RunNo: <b>82648</b>								
Prep Date: <b>11/4/2021</b>	Analysis Date: <b>11/6/2021</b>	SeqNo: <b>2933644</b>	Units: <b>mg/Kg</b>							
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: <b>2111224-001ams</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>NBH-1</b>	Batch ID: <b>63765</b>	RunNo: <b>82648</b>								
Prep Date: <b>11/4/2021</b>	Analysis Date: <b>11/6/2021</b>	SeqNo: <b>2933646</b>	Units: <b>mg/Kg</b>							
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: <b>2111224-001amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>NBH-1</b>	Batch ID: <b>63765</b>	RunNo: <b>82648</b>								
Prep Date: <b>11/4/2021</b>	Analysis Date: <b>11/6/2021</b>	SeqNo: <b>2933647</b>	Units: <b>mg/Kg</b>							
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: <b>mb</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>G82709</b>	RunNo: <b>82709</b>								
Prep Date:	Analysis Date: <b>11/9/2021</b>	SeqNo: <b>2936419</b>	Units: <b>%Rec</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	980		1000		97.9	70	130			

Sample ID: <b>2.5ug gro lcs</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>G82709</b>	RunNo: <b>82709</b>								
Prep Date:	Analysis Date: <b>11/9/2021</b>	SeqNo: <b>2936420</b>	Units: <b>%Rec</b>							
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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2111224

11-Nov-21

**Client:** GHD Midland

**Project:** Jackson B 55

Sample ID: <b>MB-63765</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63765</b>	RunNo: <b>82648</b>								
Prep Date: <b>11/4/2021</b>	Analysis Date: <b>11/6/2021</b>	SeqNo: <b>2933696</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.97		1.000		97.5	70	130			

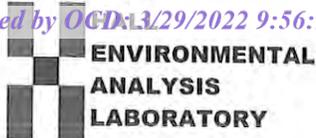
Sample ID: <b>lcs-63765</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63765</b>	RunNo: <b>82709</b>								
Prep Date: <b>11/4/2021</b>	Analysis Date: <b>11/9/2021</b>	SeqNo: <b>2936451</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	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-Bromofluorobenzene	1.0		1.000		101	70	130			

Sample ID: <b>2111224-002ams</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>NSW-1</b>	Batch ID: <b>63765</b>	RunNo: <b>82709</b>								
Prep Date: <b>11/4/2021</b>	Analysis Date: <b>11/9/2021</b>	SeqNo: <b>2936452</b>	Units: <b>mg/Kg</b>							
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-Bromofluorobenzene	0.98		0.9615		102	70	130			

Sample ID: <b>2111224-002amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>NSW-1</b>	Batch ID: <b>63765</b>	RunNo: <b>82709</b>								
Prep Date: <b>11/4/2021</b>	Analysis Date: <b>11/9/2021</b>	SeqNo: <b>2936453</b>	Units: <b>mg/Kg</b>							
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-Bromofluorobenzene	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 Quantitative 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



# Sample Log-In Check List

Client Name: GHD Midland

Work Order Number: 2111224

RcptNo: 1

Received By: Cheyenne Cason 11/4/2021 7:44:00 AM

Completed By: Sean Livingston 11/4/2021 8:30:43 AM

Reviewed By: *Chc* 11/4/21

*Chc*  
*Sean Livingston*

### Chain of Custody

- 1. Is Chain of Custody complete? Yes  No  Not Present
- 2. How was the sample delivered? Courier

### Log In

- 3. Was an attempt made to cool the samples? Yes  No  NA
- 4. Were all samples received at a temperature of >0° C to 6.0°C Yes  No  NA
- 5. Sample(s) in proper container(s)? Yes  No
- 6. Sufficient sample volume for indicated test(s)? Yes  No
- 7. Are samples (except VOA and ONG) properly 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
- 10. Were any sample containers received broken? Yes  No
- 11. Does paperwork match bottle labels? Yes  No   
(Note discrepancies on chain of custody)
- 12. Are matrices correctly identified on Chain of Custody? Yes  No
- 13. Is it clear what analyses were requested? Yes  No
- 14. Were all holding times able to be met? Yes  No   
(If no, notify customer for authorization.)

# of preserved bottles checked for pH: \_\_\_\_\_  
(<2 or >12 unless noted)  
Adjusted? \_\_\_\_\_  
Checked by: *JML 11/4/21*

### Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes  No  NA

Person Notified: \_\_\_\_\_ Date: \_\_\_\_\_  
By Whom: \_\_\_\_\_ Via:  eMail  Phone  Fax  In Person  
Regarding: \_\_\_\_\_  
Client Instructions: \_\_\_\_\_

16. Additional remarks:

### 17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.6	Good				
2	0.1	Good				





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

November 29, 2021

Becky Haskell  
GHD Midland  
2135 S Loop 250 W  
Midland, TX 79703  
TEL: (432) 686-0086  
FAX:

RE: Jackson B 55

OrderNo.: 2111926

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](http://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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a white background.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

**Analytical Report**

Lab Order 2111926

Date Reported: 11/29/2021

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** GHD Midland

**Client Sample ID:** BH-11A

**Project:** Jackson B 55

**Collection Date:** 11/16/2021 10:45:00 AM

**Lab ID:** 2111926-001

**Matrix:** SOIL

**Received Date:** 11/18/2021 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	510	60		mg/Kg	20	11/23/2021 10:26:14 AM	64122
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
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
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
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
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
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.

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

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2111926

29-Nov-21

**Client:** GHD Midland

**Project:** Jackson B 55

Sample ID: <b>MB-64122</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>64122</b>	RunNo: <b>83084</b>								
Prep Date: <b>11/23/2021</b>	Analysis Date: <b>11/23/2021</b>	SeqNo: <b>2951448</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-64122</b>	SampType: <b>ics</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>64122</b>	RunNo: <b>83084</b>								
Prep Date: <b>11/23/2021</b>	Analysis Date: <b>11/23/2021</b>	SeqNo: <b>2951449</b>	Units: <b>mg/Kg</b>							
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 Quantitative 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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2111926

29-Nov-21

**Client:** GHD Midland

**Project:** Jackson B 55

Sample ID: <b>LCS-64106</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>64106</b>		RunNo: <b>83036</b>							
Prep Date: <b>11/22/2021</b>	Analysis Date: <b>11/22/2021</b>		SeqNo: <b>2950330</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	3.9		5.000		77.4	70	130			

Sample ID: <b>MB-64106</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>PBS</b>	Batch ID: <b>64106</b>		RunNo: <b>83036</b>							
Prep Date: <b>11/22/2021</b>	Analysis Date: <b>11/22/2021</b>		SeqNo: <b>2950331</b>		Units: <b>%Rec</b>					
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: <b>2111926-001AMS</b>	SampType: <b>MS</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>BH-11A</b>	Batch ID: <b>64083</b>		RunNo: <b>83036</b>							
Prep Date: <b>11/22/2021</b>	Analysis Date: <b>11/22/2021</b>		SeqNo: <b>2951293</b>		Units: <b>mg/Kg</b>					
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: <b>2111926-001AMSD</b>	SampType: <b>MSD</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>BH-11A</b>	Batch ID: <b>64083</b>		RunNo: <b>83036</b>							
Prep Date: <b>11/22/2021</b>	Analysis Date: <b>11/22/2021</b>		SeqNo: <b>2951294</b>		Units: <b>mg/Kg</b>					
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	

**Qualifiers:**

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

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2111926

29-Nov-21

**Client:** GHD Midland

**Project:** Jackson B 55

Sample ID: <b>mb-64057</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>64057</b>		RunNo: <b>83018</b>							
Prep Date: <b>11/19/2021</b>	Analysis Date: <b>11/22/2021</b>		SeqNo: <b>2949226</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		99.9	70	130			

Sample ID: <b>lcs-64057</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>64057</b>		RunNo: <b>83018</b>							
Prep Date: <b>11/19/2021</b>	Analysis Date: <b>11/22/2021</b>		SeqNo: <b>2949229</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	95.0	78.6	131			
Surr: BFB	1100		1000		113	70	130			

Sample ID: <b>2111926-001ams</b>	SampType: <b>MS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>BH-11A</b>	Batch ID: <b>64057</b>		RunNo: <b>83018</b>							
Prep Date: <b>11/19/2021</b>	Analysis Date: <b>11/22/2021</b>		SeqNo: <b>2949233</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	24.93	0	87.4	61.3	114			
Surr: BFB	1100		997.0		110	70	130			

Sample ID: <b>2111926-001amsd</b>	SampType: <b>MSD</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>BH-11A</b>	Batch ID: <b>64057</b>		RunNo: <b>83018</b>							
Prep Date: <b>11/19/2021</b>	Analysis Date: <b>11/22/2021</b>		SeqNo: <b>2949234</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (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 Quantitative 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

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2111926

29-Nov-21

**Client:** GHD Midland

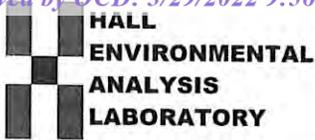
**Project:** Jackson B 55

Sample ID: <b>mb-64057</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>64057</b>	RunNo: <b>83018</b>								
Prep Date: <b>11/19/2021</b>	Analysis Date: <b>11/22/2021</b>	SeqNo: <b>2949317</b>	Units: <b>mg/Kg</b>							
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		100	70	130			

Sample ID: <b>LCS-64057</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>64057</b>	RunNo: <b>83018</b>								
Prep Date: <b>11/19/2021</b>	Analysis Date: <b>11/22/2021</b>	SeqNo: <b>2949318</b>	Units: <b>mg/Kg</b>							
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			
Xylenes, Total	2.8	0.10	3.000	0	92.2	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		101	70	130			

**Qualifiers:**

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



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

Sample Log-In Check List

Client Name: GHD Midland Work Order Number: 2111926 RcptNo: 1

Received By: Cheyenne Cason 11/18/2021 8:45:00 AM
Completed By: Tracy Casarrubias 11/18/2021 10:52:49 AM
Reviewed By: [Signature] 11/18/21

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [ ] Not Present [ ]
2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [ ] NA [ ]
4. Were all samples received at a temperature of >0° C to 6.0°C Yes [checked] No [ ] NA [ ]
5. Sample(s) in proper container(s)? Yes [checked] No [ ]
6. Sufficient sample volume for indicated test(s)? Yes [checked] No [ ]
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No [ ]
8. Was preservative added to bottles? Yes [ ] No [checked] NA [ ]
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [ ] No [ ] NA [checked]
10. Were any sample containers received broken? Yes [ ] No [checked]
11. Does paperwork match bottle labels? Yes [checked] No [ ]
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No [ ]
13. Is it clear what analyses were requested? Yes [checked] No [ ]
14. Were all holding times able to be met? Yes [checked] No [ ]

# of preserved bottles checked for pH: (<2 or >12 unless noted)
Adjusted?
Checked by: WPG 11/18/21

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [ ] No [ ] NA [checked]

Person Notified: [ ] Date: [ ]
By Whom: [ ] Via: [ ] eMail [ ] Phone [ ] Fax [ ] In Person [ ]
Regarding: [ ]
Client Instructions: [ ]

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 0.9, Good, Yes, [ ], [ ], [ ]



# Appendix D

## Approved Form C-138 and Waste Manifests

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-138  
Revised August 1, 2011

\*Surface Waste Management Facility Operator and Generator shall maintain and make this documentation available for Division inspection.

### REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

**1. 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

EOG Resources, Inc. authorizes Lea Land to complete the required testing and sign the Generator Waste Testing Certificate.

Estimated Volume 15 yd<sup>3</sup> / bbls Known Volume (to be entered by the operator at the end of the haul) \_\_\_\_\_ yd<sup>3</sup> / bbls

**5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS**  
I, Tina Huerta Tina Huerta, representative or authorized agent for EOG Resources, Inc do hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification)

RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. Operator Use Only: Waste Acceptance Frequency  Monthly  Weekly  Per Load

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**  
I, \_\_\_\_\_, representative for \_\_\_\_\_ do hereby certify that representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.

**5. Transporter:**  
Standard Safety and Supply

#### OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: Lea Land Permit #WM-1-035  
Address of Facility: MM64, US Highway 62/180 East, Carlsbad, NM 88220  
Method of Treatment and/or Disposal:

- Evaporation  Injection  Treating Plant  Landfarm  Landfill  Other

#### Waste Acceptance Status:

- APPROVED  DENIED (Must Be Maintained As Permanent Record)

PRINT NAME: Shelley Denton TITLE: Manager DATE: 11-11-21  
SIGNATURE: Shelley Denton TELEPHONE NO.: 405-236-4257  
Surface Waste Management Facility Authorized Agent

# LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

## LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

CRG

NON-HAZARDOUS WASTE MANIFEST NO **147761** 1. PAGE    OF    2. TRAILER NO. **20**

G E	3. COMPANY NAME <b>E.O.O. Resources</b>	4. ADDRESS <b>105 South 4th St.</b>	5. PICK-UP DATE <b>11/2/2021</b>
	PHONE NO. <b>(575) 748-1471</b>	CITY STATE ZIP <b>Artesia NM 88210</b>	6. TNRCC I.D. NO.

N E R	7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No. Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #
	<b>a Non-Regulated, Non Hazardous Waste</b>	<b>1 CM</b>			
	<b>b.</b>				

A T	12. COMMENTS OR SPECIAL INSTRUCTIONS: <b>JACKSON B 55</b>	13. WASTE PROFILE NO. <b>TP 41,200</b>
--------	--	---

T O R	14. IN CASE OF EMERGENCY OR SPILL, CONTACT		
	NAME <b>JOE ONTIVEROS</b>	PHONE NO <b>575-887-4048</b>	24-HOUR EMERGENCY NO.

15. GENERATOR'S CERTIFICATION: I Herby 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, LLC

R	PRINTED/TYPED NAME <b>CO. MAN: TINA HUERTA</b>	SIGNATURE	DATE
---	---	-----------	------

T R A N S P O R T E R S	16. TRANSPORTER (1)	17. TRANSPORTER (2)
	NAME: <b>STANDARD SAFETY &amp; SUPPLY</b>	NAME:
	TEXAS I.D. NO.	TEXAS I.D. NO.
	IN CASE OF EMERGENCY CONTACT: <b>LUIS GALVADON</b>	IN CASE OF EMERGENCY CONTACT:

R	18. TRANSPORTER (1): Acknowledgment of receipt of material	19. TRANSPORTER (2): Acknowledgment of receipt of material
	PRINTED/TYPED NAME <b>Fernando Olivas</b>	PRINTED/TYPED NAME

D F I A S C I P I O L S I A T O R Y	Lea Land, LLC	ADDRESS: <b>Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM</b>	PHONE: <b>575-887-4048</b>
--	---------------	---	-------------------------------

PERMIT NO. <b>WM-01-035 - New Mexico</b>	20. COMMENTS
---	--------------

21. DISPOSAL FACILITY'S CERTIFICATION: I Herby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE <b>Santos Gonzalez</b>	CELL NO	DATE <b>11/2/2021</b>	TIME <b>9:15</b>
--	---------	--------------------------	---------------------

GENERATOR: COPIES 1 & 6

DISPOSAL SITE: COPIES 2 & 3

TRANSPORTERS: COPIES 4 & 5

COPY 1

# LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

## LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

*Bonanda*

NON-HAZARDOUS WASTE MANIFEST NO **147763** 1. PAGE      OF      2. TRAILER NO. **03**

G E N E R A T O R	3. COMPANY NAME <b>E.O.G. Resources</b>	4. ADDRESS <b>105 South 4th St.</b>	5. PICK-UP DATE <b>11/2/2021</b>
	PHONE NO. <b>(575) 748-1471</b>	CITY STATE ZIP <b>Artesia NM 88210</b>	6. TNRCC I.D. NO.

N E R E A R Y	7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No. Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #
	a. <b>Non-Regulated, Non Hazardous Waste</b>	<b>1 CM</b>			
	b.				
	c.				

d. WT: **34720 36400**

12. COMMENTS OR SPECIAL INSTRUCTIONS:  
**JACKSON B 55** *To 11/20*

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT** 24-HOUR EMERGENCY NO.

NAME <b>JOE ONTIVEROS</b>	PHONE NO <b>575-887-4048</b>
------------------------------	---------------------------------

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, LLC

T R A N S P O R T E R S	PRINTED/TYPED NAME <b>CO. MAN: TINA HUERTA</b>	SIGNATURE	DATE
	16. <b>TRANSPORTER (1)</b> NAME: <b>STANDARD SAFETY &amp; SUPPLY</b> TEXAS I.D. NO. IN CASE OF EMERGENCY CONTACT: <b>LUIS GALVADON</b> EMERGENCY PHONE: <b>(432) 741-2509</b>	17. <b>TRANSPORTER (2)</b> NAME: TEXAS I.D. NO. IN CASE OF EMERGENCY CONTACT: EMERGENCY PHONE:	19. <b>TRANSPORTER (2):</b> Acknowledgment of receipt of material PRINTED/TYPED NAME _____ SIGNATURE _____ DATE _____
	18. <b>TRANSPORTER (1):</b> Acknowledgment of receipt of material PRINTED/TYPED NAME <i>Crucel Bonanda</i> SIGNATURE <i>Crucel Bonanda</i> DATE <b>11/2/2021</b>		

DISPOSAL SITE	Lea Land, LLC	ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM	PHONE: <b>575-887-4048</b>
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20. COMMENTS

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE <i>Santos Gonzalez</i>	CELL NO.	DATE <b>11/2/2021</b>	TIME <b>9:25</b>
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TRANSPORTERS COPIES 2 & 3

# LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

## LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

*Borunda*

### NON-HAZARDOUS WASTE MANIFEST

NO **147795**

1. PAGE \_\_\_ OF \_\_\_

2. TRAILER NO. **03**

G E	3. COMPANY NAME <b>E.O.G. Resources</b>	4. ADDRESS <b>105 South 4th St.</b>	5. PICK-UP DATE <b>11/3/2021</b>
	PHONE NO. <b>(575) 748-1471</b>	CITY STATE ZIP <b>Artesia NM 88210</b>	6. TNRCC I.D. NO.

N E R	7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No. Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #
	<b>a Non-Regulated, Non Hazardous Waste</b>	<b>1 CM</b>			
	<b>b.</b>				

A T	12. COMMENTS OR SPECIAL INSTRUCTIONS: <b>JACKSON B 55</b>	13. WASTE PROFILE NO. <b>To 74760</b>
--------	--	--

T O R	14. IN CASE OF EMERGENCY OR SPILL, CONTACT		
	NAME <b>JOE ONTIVEROS</b>	PHONE NO <b>575-887-4048</b>	24-HOUR EMERGENCY NO.

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, LLC

R	PRINTED/TYPED NAME <b>CO. MAN: TINA HUERTA</b>	SIGNATURE	DATE
---	---	-----------	------

T R A N S P O R T E R S	16. TRANSPORTER (1)	17. TRANSPORTER (2)
	NAME: <b>STANDARD SAFETY &amp; SUPPLY</b>	NAME:
	TEXAS I.D. NO.	TEXAS I.D. NO.
	IN CASE OF EMERGENCY CONTACT: <b>LUIS GALVADON (432) 741-2509</b>	IN CASE OF EMERGENCY CONTACT:

S	18. TRANSPORTER (1): Acknowledgment of receipt of material	19. TRANSPORTER (2): Acknowledgment of receipt of material
	PRINTED/TYPED NAME / <i>Encl Borunda</i>	PRINTED/TYPED NAME

D F I A S C I P I O L S I T A T Y	Lea Land, LLC	ADDRESS: <b>Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM</b>	PHONE: <b>575-887-4048</b>
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PERMIT NO. <b>WM-01-035 - New Mexico</b>	20. COMMENTS
---	--------------

21. DISPOSAL FACILITY'S CERTIFICATION: I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE <i>Santos Gonzalez</i>	CELL NO.	DATE <b>11/3/2021</b>	TIME <b>8:50</b>
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GENERATOR: COPIES 1 & 6

DISPOSAL SITE: COPIES 2 & 3

TRANSPORTERS: COPIES 4 & 5

COPY 1

COPY 2

# LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

## LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

STG

### NON-HAZARDOUS WASTE MANIFEST

NO **147796**

1. PAGE     OF    

2. TRAILER NO. **02**

G E	3. COMPANY NAME <b>E.O.G. Resources</b>	4. ADDRESS <b>105 South 4th St.</b>	5. PICK-UP DATE <b>11/3/2021</b>
	PHONE NO. <b>(575) 748-1471</b>	CITY STATE ZIP <b>Artesia NM 88210</b>	6. TNRCC I.D. NO.

N E R	7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No. Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #
	a. <b>Non-Regulated, Non Hazardous Waste</b>	<b>1 CM</b>			
	b.				
	c.				

A	dWT: <b>37940 38540</b>	12. COMMENTS OR SPECIAL INSTRUCTIONS: <b>JACKSON B 55</b>	13. WASTE PROFILE NO. <b>TC 76480</b>
---	-------------------------	--	--

T	14. IN CASE OF EMERGENCY OR SPILL, CONTACT		
	NAME <b>JOE ONTIVEROS</b>	PHONE NO <b>575-887-4048</b>	24-HOUR EMERGENCY NO.

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, LLC

R	PRINTED/TYPED NAME <b>CO. MAN: TINA HUERTA</b>	SIGNATURE	DATE
---	---	-----------	------

T R A N S P O R T E R S	16. TRANSPORTER (1) NAME: <b>STANDARD SAFETY &amp; SUPPLY</b> TEXAS I.D. NO. IN CASE OF EMERGENCY CONTACT: <b>LUIS GALVADON</b> EMERGENCY PHONE: <b>(432) 741-2509</b>	17. TRANSPORTER (2) NAME: TEXAS I.D. NO. IN CASE OF EMERGENCY CONTACT: EMERGENCY PHONE:
--	--	---

S	18. TRANSPORTER (1): Acknowledgment of receipt of material PRINTED/TYPED NAME <b>Eduardo Salazar</b> SIGNATURE <b>Eduardo Salazar</b> DATE <b>11/3/2021</b>	19. TRANSPORTER (2): Acknowledgment of receipt of material PRINTED/TYPED NAME _____ SIGNATURE _____ DATE _____
---	---	--

D I S P O S I T A L Y	Lea Land, LLC	ADDRESS: <b>Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM</b>	PHONE: <b>575-887-4048</b>
---	---------------	---	-------------------------------

PERMIT NO. <b>WM-01-035 - New Mexico</b>	20. COMMENTS
---	--------------

21. DISPOSAL FACILITY'S CERTIFICATION: I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE <b>Santos Gonzalez</b>	CELL NO.	DATE <b>11/3/2021</b>	TIME <b>8:55</b>
--	----------	--------------------------	---------------------

GENERATOR: COPIES 1 & 6

DISPOSAL SITE: COPIES 2 & 3

TRANSPORTERS: COPIES 4 & 5

COPY 1

# LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

## LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

*Fonsaca*

NON-HAZARDOUS WASTE MANIFEST NO **147797** 1. PAGE \_\_\_ OF \_\_\_ 2. TRAILER NO. **9964**

G E	3. COMPANY NAME <b>E.O.G. Resources</b>	4. ADDRESS <b>105 South 4th St.</b>	5. PICK-UP DATE <b>11/3/2021</b>
	PHONE NO. <b>(575) 748-1471</b>	CITY STATE ZIP <b>Artesia NM 88210</b>	6. TNRCC I.D. NO.

N E R	7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No. Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #
	a. <b>Non-Regulated, Non Hazardous Waste</b>	<b>1 CM</b>			
	b.				
	c.				

d<sub>WT</sub>: **36720 36160**

A	12. COMMENTS OR SPECIAL INSTRUCTIONS: <b>JACKSON B 55</b>	13. WASTE PROFILE NO. <b>TC 42880</b>
---	--	--

T	14. IN CASE OF EMERGENCY OR SPILL, CONTACT	
	NAME <b>JOE ONTIVEROS</b>	PHONE NO. 24-HOUR EMERGENCY NO. <b>575-887-4048</b>

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, LLC

R	PRINTED/TYPED NAME	SIGNATURE	DATE
	<b>CO. MAN: TINA HUERTA</b>		

T R A N S P O R T E R S	16. TRANSPORTER (1)	17. TRANSPORTER (2)
	NAME: <b>STANDARD SAFETY &amp; SUPPLY</b>	NAME:
	TEXAS I.D. NO.	TEXAS I.D. NO.
	IN CASE OF EMERGENCY CONTACT: <b>LUIS GALVADON (432) 741-2509</b>	IN CASE OF EMERGENCY CONTACT:

S	18. TRANSPORTER (1): Acknowledgment of receipt of material	19. TRANSPORTER (2): Acknowledgment of receipt of material
	PRINTED/TYPED NAME <b>Omar Rojas</b>	PRINTED/TYPED NAME _____
	SIGNATURE <b>[Signature]</b> DATE <b>11/3/2021</b>	SIGNATURE _____ DATE _____

D F I A S P I L S I T Y	Lea Land, LLC	ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM	PHONE: 575-887-4048
--	---------------	---	---------------------

PERMIT NO. <b>WM-01-035 - New Mexico</b>	20. COMMENTS
--	--------------

21. DISPOSAL FACILITY'S CERTIFICATION: I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE <b>[Signature]</b>	CELL NO.	DATE <b>11/3/2021</b>	TIME <b>9:00</b>
---	----------	-----------------------	------------------

GENERATOR: COPIES 1 & 6      DISPOSAL SITE: COPIES 2 & 3      TRANSPORTERS: COPIES 4 & 5

COPY 1

# LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

## LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

CRG

### NON-HAZARDOUS WASTE MANIFEST

NO **147798**

1. PAGE \_\_\_ OF \_\_\_

2. TRAILER NO. **20**

G

3. COMPANY NAME  
**E.O.G. Resources**

4. ADDRESS  
**105 South 4th St.**

5. PICK-UP DATE  
**11/3/2021**

E

PHONE NO.  
**(575) 748-1471**

CITY STATE ZIP  
**Artesia NM 88210**

6. TNRCC I.D. NO.

N

7. NAME OR DESCRIPTION OF WASTE SHIPPED:

8. CONTAINERS  
No. Type

9. TOTAL QUANTITY

10. UNIT Wt/Vol.

11. TEXAS WASTE ID #

**a Non-Regulated, Non Hazardous Waste**

**1 CM**

E

b.

R

**dWT: 37580 35220**

A

12. COMMENTS OR SPECIAL INSTRUCTIONS:

**JACKSON B 55**

13. WASTE PROFILE NO.

**TR 72800**

T

#### 14. IN CASE OF EMERGENCY OR SPILL, CONTACT

NAME

PHONE NO

24-HOUR EMERGENCY NO.

**JOE ONTIVEROS**

**575-887-4048**

O

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, LLC

R

PRINTED/TYPED NAME

SIGNATURE

DATE

**CO. MAN: TINA HUERTA**

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#### 16. TRANSPORTER (1)

NAME: **STANDARD SAFETY & SUPPLY**

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT: **LUIS GALVADON**

EMERGENCY PHONE: **(432) 741-2509**

#### 17. TRANSPORTER (2)

NAME:

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

EMERGENCY PHONE:

18. TRANSPORTER (1): Acknowledgment of receipt of material

19. TRANSPORTER (2): Acknowledgment of receipt of material

PRINTED/TYPED NAME

**Fernando Olivos**

PRINTED/TYPED NAME

SIGNATURE

**X Fernando O.**

DATE

**11/3/2021**

SIGNATURE

DATE

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Lea Land, LLC

ADDRESS:

Mile Marker 64, U.S. Hwy 62/180,  
30 Miles East of Carlsbad, NM

PHONE:

**575-887-4048**

PERMIT NO.

**WM-01-035 - New Mexico**

20. COMMENTS

21. DISPOSAL FACILITY'S CERTIFICATION: I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

**Santa Gonzalez**

CELL NO.

DATE

**11/3/2021**

TIME

**9:00**

LEA LAND DISPOSAL SITE NEW MEXICO											
MILE MARKER 64 U.S. HWY 62/180 - 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048											
LEA LAND, LLC 1800 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4237											
NON-HAZARDOUS WASTE MANIFEST NO <b>147824</b> 1. PAGE ___ OF ___ 2. TRAILER NO. <b>03</b>											
G	3. COMPANY NAME <b>E.O.O. Resources</b>			4. ADDRESS <b>106 South 4th St.</b>			5. PICK-UP DATE <b>11/4/2021</b>				
	PHONE NO. <b>(575) 748-1471</b>			CITY <b>Artesia</b>		STATE <b>NM</b>		ZIP <b>86210</b>		6. TNRCC I.D. NO.	
E	7. NAME OR DESCRIPTION OF WASTE SHIPPED						8. CONTAINERS No. Type		9. TOTAL QUANTITY		10. UNIT
	<b>Non-Regulated, Non Hazardous Waste</b>						<b>1 CM</b>				
R	12. COMMENTS OR SPECIAL INSTRUCTIONS <b>JACKSON B 55</b>						13. WASTE PROFILE NO.				
	<b>TP 73540</b>										
T	14. IN CASE OF EMERGENCY OR SPILL, CONTACT										
	NAME <b>JOE ONTIVEROS</b>			PHONE NO. <b>575-887-4048</b>			24-HOUR EMERGENCY NO.				
O	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, LLC.										
	PRINTED/TYPED NAME <b>CO. MAN: TINA HUERTA</b>						SIGNATURE			DATE	
T	16. TRANSPORTER (1)						17. TRANSPORTER (2)				
	NAME: <b>STANDARD SAFETY &amp; SUPPLY</b>						NAME:				
R	TEXAS I.D. NO.						TEXAS I.D. NO.				
	IN CASE OF EMERGENCY CONTACT: <b>LUIS GALVADON</b>						IN CASE OF EMERGENCY CONTACT:				
A	EMERGENCY PHONE: <b>(432) 741-2509</b>						EMERGENCY PHONE:				
	18. TRANSPORTER (1): Acknowledgment of receipt of material						19. TRANSPORTER (2): Acknowledgment of receipt of material				
S	PRINTED/TYPED NAME <b>Cecil Bejar</b>						PRINTED/TYPED NAME				
	SIGNATURE <b>Cecil Bejar</b> DATE <b>11/4/2021</b>						SIGNATURE DATE				
D	Lea Land, LLC			ADDRESS: <b>Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM</b>			PHONE: <b>575-887-4048</b>				
	PERMIT NO. <b>WM-01-035 - New Mexico</b>						20. COMMENTS				
F	21. DISPOSAL FACILITY'S CERTIFICATION: I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.										
	AUTHORIZED SIGNATURE <b>Dante Gonzalez</b>						CELL NO.		DATE <b>11/4/2021</b>		TIME <b>8:55</b>
GENERATOR: COPIES 1 & 6			DISPOSAL SITE: COPIES 2 & 3				TRANSPORTERS: COPIES 4 & 5				
COPY 1											

LEA LAND DISPOSAL SITE NEW MEXICO											
MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048											
LEA LAND, LLC 1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257											
JOB											
NON-HAZARDOUS WASTE MANIFEST NO. 147825 1. PAGE ___ OF ___ 2. TRAILER NO. JCR-02											
G	3. COMPANY NAME E.C.O. Resources			4. ADDRESS 105 South 4th St.			5. PICK-UP DATE 11/4/2021				
	PHONE NO. (575) 748-1471			CITY Artesia		STATE NM		ZIP 88210			
E	7. NAME OR DESCRIPTION OF WASTE SHIPPED						8. CONTAINERS	9. TOTAL QUANTITY	10. UNIT Wt/Vol	11. TEXAS WASTE ID #	
	Non-Regulated, Non Hazardous Waste						1 CM				
R	WT: 33,020 31,820								13. WASTE PROFILE NO.		
	12. COMMENTS OR SPECIAL INSTRUCTIONS JACKSON B 55						10 64840				
T	14. IN CASE OF EMERGENCY OR SPILL, CONTACT										
	NAME JOE ONTIVEROS					PHONE NO. 575-887-4048					24-HOUR EMERGENCY NO.
O	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, LLC.										
	PRINTED/TYPED NAME CO. MAN: TINA HUERTA					SIGNATURE					DATE
T	16. TRANSPORTER (1)					17. TRANSPORTER (2)					
	NAME: STANDARD SAFETY & SUPPLY					NAME:					
R	TEXAS LD. NO.					TEXAS LD. NO.					
	IN CASE OF EMERGENCY CONTACT: LUIS GALVADON (432) 741-2509					IN CASE OF EMERGENCY CONTACT:					
P	EMERGENCY PHONE:					EMERGENCY PHONE:					
	18. TRANSPORTER (1): Acknowledgment of receipt of material					19. TRANSPORTER (2): Acknowledgment of receipt of material					
O	PRINTED/TYPED NAME: Luis Galvador					PRINTED/TYPED NAME:					
	SIGNATURE: Luis Galvador DATE: 11/4/2021					SIGNATURE: DATE:					
R	Lea Land, LLC			ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM			PHONE: 575-887-4048				
	PERMIT NO. WM-01-035 - New Mexico			20. COMMENTS							
S	21. DISPOSAL FACILITY'S CERTIFICATION: I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.										
	AUTHORIZED SIGNATURE: [Signature]					CELL NO.		DATE: 11/4/2021		TIME: 9:00	
GENERATOR: COPIES 1 & 6					DISPOSAL SITE: COPIES 2 & 3					TRANSPORTERS: COPIES 4 & 5	
COPY 1											

LEA LAND DISPOSAL SITE NEW MEXICO											
MILE MARKER 64 U.S. HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048											
LEA LAND, LLC 1300 WEST MAIN STREET • DELAWARE CITY, OK 73106 • PHONE (405) 236-4237											
NON-HAZARDOUS WASTE MANIFEST				NO. 147826	1. PAGE	OF	2. TRAILER NO.	Fonseca 9964			
G E N E R A T O R	3. COMPANY NAME E.O.G. Resources		105 South 4th St.		5. DATE OF DATE 11/4/2021						
	PHONE NO. (575) 748-1471		CITY Artesia	STATE NM	ZIP 88210	6. TNRC ID NO.					
N A M E	7. NAME OR DESCRIPTION OF WASTE SHIPPED				8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol	11. TEXAS WASTE ID #		
	Non-Regulated, Non Hazardous Waste				1	CM					
	AWT: 37860 38720										
C O M M E N T S	12. COMMENTS OR SPECIAL INSTRUCTIONS JACKSON B 55				13. WASTE PROFILE NO. TC 716580						
	14. IN CASE OF EMERGENCY OR SPILL, CONTACT										
T R A N S P O R T E R	NAME JOE ONTIVEROS		PHONE NO. 575-887-4048		24-HOUR EMERGENCY NO.						
	13. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this assignment 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, LLC.										
T R A N S P O R T E R	16. TRANSPORTER (1) NAME: STANDARD SAFETY & SUPPLY TEXAS I.D. NO. IN CASE OF EMERGENCY CONTACT: LUIS GALVADON EMERGENCY PHONE: (432) 741-2500				17. TRANSPORTER (2) NAME: TEXAS I.D. NO. IN CASE OF EMERGENCY CONTACT: EMERGENCY PHONE:						
	18. TRANSPORTER (1): Acknowledgment of receipt of material PRINTED/TYPED NAME: Omar Reyes SIGNATURE: [Signature] DATE: 11/4/2021				19. TRANSPORTER (2): Acknowledgment of receipt of material PRINTED/TYPED NAME: SIGNATURE: [Signature] DATE:						
D I S P O S I T O R Y	Lea Land, LLC		ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM		PHONE: 575-887-4048		20. COMMENTS				
	PERMIT NO. WM-01-035 - New Mexico				21. DISPOSAL FACILITY'S CERTIFICATION: I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.						
AUTHORIZED SIGNATURE Dante Gonzalez				CELL NO.	DATE 11/4/2021	TIME 9:05	TRANSPORTERS: COPIES 4 &				
GENERATOR: COPIES 1 & 6				DISPOSAL SITE: COPIES 2 & 3				COPY 1			

LEA LAND DISPOSAL SITE NEW MEXICO					
MILE MARKER #64 US HWY 62-180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048					
LEA LAND, LLC					
1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257					
NON-HAZARDOUS WASTE MANIFEST		NO 147828	1. PAGE ___ OF ___	2. TRAILER NO. 20	
G	3. COMPANY NAME	4. ADDRESS		5. PICK-UP DATE	
	E.C.O. Resources	105 South 4th St.		11/4/2021	
E	PHONE NO.	CITY	STATE	ZIP	6. TNRC ID NO.
	( 575 ) 748-1471	Artesia	NM	88210	
N	7. NAME OR DESCRIPTION OF WASTE SHIPPED:			8. CONTAINERS	9. TOTAL
	Non-Regulated, Non Hazardous Waste			No. 1	Type CM
E	10. UNIT			11. TEXAS	
	WY/AL			WASTE ID#	
R	12. COMMENTS OR SPECIAL INSTRUCTIONS			13. WASTE PROFILE NO.	
	JACKSON B 55			TO 69,100	
T	14. IN CASE OF EMERGENCY OR SPILL, CONTACT				
	NAME	PHONE NO.	24-HOUR EMERGENCY NO.		
O	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, LLC				
	PRINTED/TYPED NAME	SIGNATURE			DATE
T	16. TRANSPORTER (1)		17. TRANSPORTER (2)		
	NAME: STANDARD SAFETY & SUPPLY	NAME:			
A	TEXAS ID. NO.	IN CASE OF EMERGENCY CONTACT:			
		LUIS GALVADON			
N	EMERGENCY PHONE:	EMERGENCY PHONE:			
	(432) 741-2500				
S	18. TRANSPORTER (1): Acknowledgment of receipt of material		19. TRANSPORTER (2): Acknowledgment of receipt of material		
	PRINTED/TYPED NAME: Fernando Olivas	PRINTED/TYPED NAME:			
P	SIGNATURE: Fernando O.	DATE: 11/4/2021	SIGNATURE: _____ DATE: _____		
	20. COMMENTS		21. DISPOSAL FACILITY'S CERTIFICATION: I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.		
O	22. AUTHORIZED SIGNATURE		CELL NO.	DATE	TIME
	Santos Gonzalez			11/4/2021	9:20
L	23. PERMIT NO. WM-01-035 - New Mexico		24. COMMENTS		
	25. GENERATOR: COPIES 1 & 6		26. DISPOSAL SITE: COPIES 2 & 3		
27. TRANSPORTERS: COPIES 4 & 5		COPY 1			

LEA LAND DISPOSAL SITE NEW MEXICO					
MILE MARKER 64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048					
LEA LAND, LLC 1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73108 • PHONE (405) 236-4237					
NON-HAZARDOUS WASTE MANIFEST NO. <b>147846</b>		1. PAGE ___ OF ___	2. TRAILER NO. <b>03</b>		
G E N E R A T O R	3. COMPANY NAME <b>E.D.G. Resources</b>	4. ADDRESS <b>105 South 4th St.</b>		5. PICKUP DATE <b>11/5/2021</b>	
	PHONE NO. <b>(575) 748-1471</b>	CITY <b>Artesia</b>	STATE <b>NM</b>	ZIP <b>88210</b>	
7. NAME OR DESCRIPTION OF WASTE SHIPPED: <b>Non-Regulated, Non Hazardous Waste</b>		8. CONTAINERS No. <b>1</b> Type <b>CM</b>	9. TOTAL QUANTITY	10. UNIT W/WT.	11. TEXAS WASTE ID #
12. COMMENTS OR SPECIAL INSTRUCTIONS: <b>JACKSON B 55</b>		13. WASTE PROFILE NO.			
14. IN CASE OF EMERGENCY OR SPILL, CONTACT NAME: <b>JOE ONTIVEROS</b> PHONE NO: <b>575-887-4048</b> 24-HOUR EMERGENCY NO.					
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 full response to proper conditions 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, LLC.					
PRINTED/TYPED NAME <b>CO. MAN: CHASE SETTLE</b>		SIGNATURE		DATE	
16. TRANSPORTER (1) NAME: <b>STANDARD SAFETY &amp; SUPPLY</b> TEXAS I.D. NO. IN CASE OF EMERGENCY CONTACT: <b>LUIS GALVADON</b> EMERGENCY PHONE: <b>(432) 741-2500</b>		17. TRANSPORTER (2) NAME: TEXAS I.D. NO. IN CASE OF EMERGENCY CONTACT: EMERGENCY PHONE:			
18. TRANSPORTER (1): Acknowledgment of receipt of material PRINTED/TYPED NAME: <b>Chris Borunda</b> SIGNATURE: <i>Chris Borunda</i> DATE: <b>11/5/2021</b>		19. TRANSPORTER (2): Acknowledgment of receipt of material PRINTED/TYPED NAME: SIGNATURE: DATE:			
20. COMMENTS		21. DISPOSAL FACILITY'S CERTIFICATION: I hereby certify that the above described wastes were delivered to this facility, that the			
AUTHORIZED SIGNATURE: <i>Joe Ontiveros</i>		CELL NO.	DATE: <b>11/5/2021</b>	TIME: <b>8:50</b>	

GENERATOR, COPIES 1 & 6      DISPOSAL SITE, COPIES 2 & 3      TRANSPORTERS, COPIES 4 & 5

COPY 1

LEA LAND DISPOSAL SITE NEW MEXICO						
MILE MARKER 64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048						
LEA LAND, LLC 1380 WEST MAIN STREET • OKLAHOMA CITY, OK 73104 • PHONE (405) 236-4237						
NON-HAZARDOUS WASTE MANIFEST		NO. <b>147847</b>	PAGE <u>  </u> OF <u>  </u>	E. TRAILER NO. <b>9914</b>		
G	3. COMPANY NAME	105 South 4th St.		7. RECEIPT DATE		
	E.O.G. Resources	CITY	STATE	ZIP	11/5/2021	
E	PHONE NO.	Artesia	NM	88210	6. TRUCK I.D. NO.	
	(575) 748-1471					
N	7. NAME OR DESCRIPTION OF WASTE SHIPPED			8. CONTAINERS	9. TOTAL	10. UNIT
	Non-Regulated, Non Hazardous Waste			No. <b>1</b>	QUANTITY	WU/M
R				Type		
				CM		
A	12. COMMENTS OR SPECIAL INSTRUCTIONS			13. WASTE PROFILE NO.		
	JACKSON B 55 Te 78780					
T	14. JOE ONTIVEROS			IN CASE OF EMERGENCY OR SPILL, CONTACT		
	NAME			24-HOUR EMERGENCY NO.		
O	15. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this assignment 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 waste materials previously approved by LEA LAND, LLC.					
	16. TRANSPORTER (1)			17. TRANSPORTER (2)		
R	NAME: STANDARD SAFETY & SUPPLY			NAME:		
	TEXAS I.D. NO.			TEXAS I.D. NO.		
T	IN CASE OF EMERGENCY CONTACT: LUIS GALVADON			IN CASE OF EMERGENCY CONTACT:		
	(432) 741-2509			EMERGENCY PHONE:		
S	18. TRANSPORTER (1): Acknowledgment of receipt of material			19. TRANSPORTER (2): Acknowledgment of receipt of material		
	PRINTED/TYPED NAME: <i>Luis Galvado</i>			PRINTED/TYPED NAME:		
D	SIGNATURE: <i>[Signature]</i>			SIGNATURE:		
	DATE: 11/5/2021			DATE:		
F	Lea Land, LLC		ADDRESS: Mile Marker 64, U.S. Hwy 62/180,		PHONE: 575-887-4048	
			30 Miles East of Carlsbad, NM			
I	PERMIT NO. WM-01-035 - New Mexico			20. COMMENTS		
S	21. DISPOSAL FACILITY'S CERTIFICATION: I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.					
	AUTHORIZED SIGNATURE: <i>[Signature]</i>			CELL NO. <u>  </u>	DATE: 11/5/2021	TIME: 8:55
C	GENERATOR: COPIES 1 & 6			DISPOSAL SITE: COPIES 2 & 3		TRANSPORTERS: COPIES 4 & 5
	COPY 1					

LEA LAND DISPOSAL SITE NEW MEXICO											
MILE MARKER 64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048											
LEA LAND, LLC 1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257											
NON-HAZARDOUS WASTE MANIFEST				NO. 147848	1. PAGE ____ OF ____	2. TRAILER NO. <b>CRG #20</b>					
G	1. COMPANY NAME E.O.G. Resources			705 South 4th St.			3. DATE: 11/5/2021				
	PHONE NO. (575) 748-1471			CITY Artesia	STATE NM	ZIP 88210	6. TNRCC ID. NO.				
E	7. NAME OR DESCRIPTION OF WASTE SHIPPED:						8. CONTAINERS	9. TOTAL	10. UNIT	11. TEXAS	
	*Non-Regulated, Non-Hazardous Waste						No. 1	Type CM	QUANTITY	W/UM	WASTE ID #
R	12. COMMENTS OR SPECIAL INSTRUCTIONS: JACKSON B 85						13. WASTE PROFILE NO.				
	AWT: 37180 40980 Te 78160										
T	14. IN CASE OF EMERGENCY OR SPILL, CONTACT										
	NAME JOE ONTIVEROS			PHONE NO. 575-887-4048			24-HOUR EMERGENCY NO.				
O	15. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this assignment 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, LLC										
	16. TRANSPORTER (1)						17. TRANSPORTER (2)				
R	PRINTED/TYPED NAME CO. MAN: CHASE SETTLE						SIGNATURE				DATE
	NAME: STANDARD SAFETY & SUPPLY						NAME:				DATE
T	TEXAS ID. NO.						TEXAS ID. NO.				
	IN CASE OF EMERGENCY CONTACT: LUIS GALVADON						IN CASE OF EMERGENCY CONTACT:				
P	EMERGENCY PHONE: (432) 741-2500						EMERGENCY PHONE:				
	18. TRANSPORTER (1): Acknowledgment of receipt of material						19. TRANSPORTER (2): Acknowledgment of receipt of material				
O	PRINTED/TYPED NAME: Fernando Olivas						PRINTED/TYPED NAME:				
	SIGNATURE: Fernando Olivas						SIGNATURE:				
R	DATE: 11/5/2021						DATE:				
	Lea Land, LLC						ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM				
S	PHONE: 575-887-4048						PERMIT NO. WM-01-035 - New Mexico				
	20. COMMENTS						21. DISPOSAL FACILITY'S CERTIFICATION: I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to treat such wastes.				
I	AUTHORIZED SIGNATURE: [Signature]						CELL NO.:				
	DATE: 11/5/2021						TIME: 9:00				
A	GENERATOR COPIES 1 & 4						DISPOSAL SITE COPIES 2 & 3				
	COPY 1						TRANSPORTERS COPIES 4 & 7				

LEA LAND DISPOSAL SITE NEW MEXICO											
MILE MARKER 64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048											
LEA LAND, LLC 1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257											
NON-HAZARDOUS WASTE MANIFEST				NO. 147849	1. PAGE ___ OF ___	2. TRAILER NO. <b>J1R D2</b>					
G	1. COMPANY NAME E.O.G. Resources		4. ADDRESS 105 50th St.			5. PICK-UP DATE 11/5/2021					
	PHONE NO. (575) 748-1471		CITY Artesia	STATE NM	ZIP 88210	6. TNRCC I.D. NO.					
E	7. NAME OR DESCRIPTION OF WASTE SHIPPED				8. CONTAINERS	9. TOTAL	10. UNIT	11. TEXAS			
	*Non-Regulated, Non Hazardous Waste				No. 1	Type CM	QUANTITY	WV/M	WASTE ID #		
R	12. COMMENTS OR SPECIAL INSTRUCTIONS JACKSON B 55				13. WASTE PROFILE NO.						
	14. IN CASE OF EMERGENCY OR SPILL, CONTACT				15. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this assignment 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, LLC						
T	NAME JOE ONTIVEROS		PHONE NO. 575-887-4048		24-HOUR EMERGENCY NO.						
	16. TRANSPORTER (1)				17. TRANSPORTER (2)						
R	NAME: STANDARD SAFETY & SUPPLY				NAME:						
	TEXAS I.D. NO.				TEXAS I.D. NO.						
S	IN CASE OF EMERGENCY CONTACT: LUIS GALVADON (432) 741-2509				IN CASE OF EMERGENCY CONTACT:						
	EMERGENCY PHONE:				EMERGENCY PHONE:						
S	18. TRANSPORTER (1): Acknowledgment of receipt of material				19. TRANSPORTER (2): Acknowledgment of receipt of material						
	PRINTED/TYPED NAME: Luis Galvado				PRINTED/TYPED NAME:						
S	SIGNATURE: [Signature]				SIGNATURE:						
	DATE: 11/5/2021				DATE:						
D	Lea Land, LLC		ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM			PHONE: 575-887-4048					
	PERMIT NO. WM-01-035 - New Mexico				28. COMMENTS:						
S	21. DISPOSAL FACILITY'S CERTIFICATION: I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.										
	AUTHORIZED SIGNATURE: [Signature]				CELL NO.	DATE: 11/5/2021	TIME: 1250				
GENERATOR: COPIES 1 & 6				DISPOSAL SITE: COPIES 2 & 3				TRANSPORTERS: COPIES 4 & 5			

COPY 1

# LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

## LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

*Months*

NON-HAZARDOUS WASTE MANIFEST

NO **148091**

1. PAGE     OF    

2. TRAILER NO. **04**

**G**  
3. COMPANY NAME  
*E.O.G. Resources*  
PHONE NO.  
*(575) 748-1171*

4. ADDRESS  
*100 South 4th St.*  
CITY STATE ZIP  
*Artesia NM 88210*

5. PICK-UP DATE  
*11/16/2021*

6. TNRCC I.D. NO.

**E**  
7. NAME OR DESCRIPTION OF WASTE SHIPPED:

8. CONTAINERS	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #
No. Type			
<i>1</i> <i>CM</i>			

**N**  
a. *Non-Regulated, Non Hazardous Waste*

**E**  
b.

**E**  
c.

**R**  
d. WT. *126,40*

**A**  
12. COMMENTS OR SPECIAL INSTRUCTIONS:  
*JACKSON B. 55*

13. WASTE PROFILE NO.

**T**  
14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**  
NAME PHONE NO. 24-HOUR EMERGENCY NO.  
*JOE ONTIVEROS 575-887-4048*

**O**  
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, LLC

PRINTED/TYPED NAME <i>CO. MAN: CHASE SETTLE</i>	SIGNATURE	DATE
--	-----------	------

**T**  
16. **TRANSPORTER (1)**  
NAME: *STANDARD SAFETY & SUPPLY*  
TEXAS I.D. NO.  
IN CASE OF EMERGENCY CONTACT: *LUIS GALVADON (432) 741-2509*  
EMERGENCY PHONE:

17. **TRANSPORTER (2)**  
NAME:  
TEXAS I.D. NO.  
IN CASE OF EMERGENCY CONTACT:  
EMERGENCY PHONE:

**R**  
18. **TRANSPORTER (1):** Acknowledgment of receipt of material  
PRINTED/TYPED NAME *[Signature]*  
SIGNATURE *[Signature]* DATE *11/16/2021*

19. **TRANSPORTER (2):** Acknowledgment of receipt of material  
PRINTED/TYPED NAME \_\_\_\_\_  
SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

**D**  
Lea Land, LLC ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM PHONE: 575-887-4048

**I**  
PERMIT NO. *WM-01-035 - New Mexico* 20. COMMENTS

**S**  
21. **DISPOSAL FACILITY'S CERTIFICATION:** I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE <i>[Signature]</i>	CELL NO.	DATE <i>11/16/2021</i>	TIME <i>12:10</i>
--	----------	---------------------------	----------------------

GENERATOR: COPIES 1 & 6

DISPOSAL SITE: COPIES 2 & 3

TRANSPORTERS: COPIES 4 & 5

**COPY 4**

# Appendix E Confirmation Sampling Notifications

## Becky Haskell

---

**From:** Chase Settle <Chase\_Settle@eogresources.com>  
**Sent:** Thursday, October 28, 2021 2:39 PM  
**To:** 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: [tina\\_huerta@eogresources.com](mailto:tina_huerta@eogresources.com)*



**Artesia Division**

## Becky Haskell

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

FYI

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**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](mailto: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  
 Action 93862

**CONDITIONS**

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

**CONDITIONS**

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