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 Page leof 182

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

)

Incident ID	nAPP2202759509
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party EOG Resources, Inc	OGRID 7377
Contact Name Chase Settle	Contact Telephone 575-748-1471
Contact email Chase_Settle@eogresources.com	Incident # <i>nAPP2202759509</i>
Contact mailing address 104 S. 4th Street, Artesia, NM 88210	

Location of Release Source

Latitude <u>32.791</u>89

Longitude -104.06366 (NAD 83 in decimal degrees to 5 decimal places)

Site Name Robinson B Federal #1	Site Type Battery	
Date Release Discovered 1/26/2022	API# 30-015-03766	

Unit Letter	Section	Township	Range	County
F	34	17S	29E	Eddy

Surface Owner: State X 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)

X Crude Oil	Volume Released (bbls) Unknown	Volume Recovered (bbls) 0		
X Produced Water	Volume Released (bbls) Unknown	Volume Recovered (bbls) 0		
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	X Yes No		
Condensate	Volume Released (bbls)	Volume Recovered (bbls)		
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)		
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)		
Cause of Release Histo	orical impacts were discovered during the dece	ommissioning of the battery as part of plugging		
proc	ess. The environmental consultant contracted	to perform the remediation determined on		
01/26/2022 based off the initial investigation that the volume released most likely breached the				
	rtable threshold.	, , , , , , , , , , , , , , , , , , ,		
1				
1				

Page 2

Oil Conservation Division

Incident ID	nAPP2202759509
District RP	
Facility ID	
Application ID	

Was this a major release as defined by	If YES, for what reason(s) does the responsible party consider this a major release?
19.15.29.7(A) NMAC?	
🗌 Yes 🔽 No	
If YES, was immediate ne	otice 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

 \checkmark The source of the release has been stopped.

 ∇ The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not 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	Chase	Settle
Printed Name	Chase	Jelle

Title:	Rep	Safety	&	Environmental	Sr

Telephone: 575-748-1471

Signature: <u>Chase Settle</u> Date: 02/01/2022

email: Chase_Settle@eogresources.com

OCD Only

Received by:

Ramona Marcus

Date: 2/9/2022

Received by OCD: 8/4/2022 4:57:41 PM State of New Mexico

Oil Conservation Division

	Page 3 0J 18.	4
Incident ID	nAPP2202759509	
District RP		
Facility ID		
Application ID		

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>Unknown</u> (ft bgs)
Did this release impact groundwater or surface water?	Yes 🔀 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🔀 Yes 🗌 No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	🗌 Yes 🔀 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🔀 No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	🗌 Yes 🔀 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	Yes X No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	Yes X No
Are the lateral extents of the release within 300 feet of a wetland?	X Yes No
Are the lateral extents of the release overlying a subsurface mine?	\Box Yes \overline{X} No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🗶 No
Are the lateral extents of the release within a 100-year floodplain?	X Yes 🗌 No
Did the release impact areas not on an exploration, development, production, or storage site?	🔀 Yes 🗌 No

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

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

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. Field data
- \overline{X} Data table of soil contaminant concentration data
- $\overline{\mathbf{X}}$ 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
- X Topographic/Aerial maps
- \mathbf{X} 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.

Received by OCD: 8/4/2	022 4:57:41 PM State of New Mexic	20		Page 4 of 182
				nAPP2202759509
Page 4	Oil Conservation Division		District RP	
			Facility ID	
			Application ID	
regulations all operators a public health or the enviro failed to adequately invest	Settle	ase notifications and perform co by the OCD does not relieve the se a threat to groundwater, surfa	prrective actions for rele e operator of liability sho ce water, human health liance with any other feo Environmental Sr.	ases which may endanger ould their operations have or the environment. In
OCD Only Received by: <u>Robe</u>	ert Hamlet	Date: <u>7/2</u>	27/2022	

Received by OCD: 8/4/2022 4:57:41 PM Form C-141 State of New Mexico

Incident ID	nAPP202759509
District RP	
Facility ID	
Application ID	

Remediation Plan

<u>Remediation Plan Checklist</u>: Each of the following items must be included in the plan.

Detailed description of proposed remediation technique

Scaled sitemap with GPS coordinates showing delineation points

 $\overline{\mathbf{\nabla}}$ Estimated volume of material to be remediated

Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC

Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: Each of the following items must be conj	firmed as part of any request for deferral of remediation.
Contamination must be in areas immediately under or around prodeconstruction.	oduction equipment where remediation could cause a major facility
Extents of contamination must be fully delineated.	
Contamination does not cause an imminent risk to human health,	the environment, or groundwater.
I hereby certify that the information given above is true and complete rules and regulations all operators are required to report and/or file ce which may endanger public health or the environment. The acceptan liability should their operations have failed to adequately investigate surface water, human health or the environment. In addition, OCD a responsibility for compliance with any other federal, state, or local la	ertain release notifications and perform corrective actions for releases ice of a C-141 report by the OCD does not relieve the operator of and remediate contamination that pose a threat to groundwater, cceptance of a C-141 report does not relieve the operator of
Printed Name: Amber Griffin	Title: Rep Safety & Environmental Sr
	Date: 8/4/2022
Signature: Amber Griffin email: Amber_Griffin@eogresources.com	Date: 8/4/2022 Telephone: 575-748-1471
OCD Only	
Received by:	Date:
Approved Approved with Attached Conditions of A	Approval Denied Deferral Approved
Signature: Jannifan Nobui	Date: 09/20/2022

•

Page 5

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



Our ref: 12574110

August 03, 2022

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

Re: Remediation Work Plan Robinson B Federal #1 Release Site EOG Resources Inc. Incident ID: nAPP2202759509 F-34-17S-29E, Eddy County, New Mexico

To Whom It May Concern:

1. Introduction

GHD Services, Inc. (GHD), on behalf of EOG Resources (EOG), submits this Remediation Work Plan to the New Mexico Oil Conservation Division (NMOCD) District 2 Office. This Report provides documentation of delineation, sampling, and analyses in the affected area at the EOG Robinson B Federal #1 Release Site (Site). The Site is located in Unit Letter F Section 34 of Township 17 South and Range 29 East in Eddy County, New Mexico. The GPS coordinates for the release site are 32.79189 N latitude and 104.06366 W longitude. The surface owner of the land where the release occurred is the US Bureau of Land Management (BLM). Figure 1 depicts the Site location. The EOG production facility and other site details are depicted on Figure 2, Site Assessment: Soil Analytical Results Map.

2. Background Information

A C-141 Release Notification for this release was submitted to the NMOCD on February 1, 2022. The C-141 stated that no known volume or date could be assigned to this historical release. The potential release area was discovered during EOG well plugging and site abandonment activities associated with this location. Soils within the former tank battery containment appeared to be discolored and after discussions between field personnel and environmental staff, EOG made the decision to file a C-141 for this suspect release location.

The release falls under the jurisdiction of the NMOCD District 2 Office in Artesia, New Mexico. The NMOCD assigned the release with Incident Number nAPP2202759509. The Release Notification, Site Assessment/Characterization, and Remediation portions of Form C-141 are attached to the front of this report.

→ The Power of Commitment

3. Groundwater and Site Characterization

GHD characterized the Site according to Table 1, Closure Criteria for Soils Impacted by a Release, from New Mexico Administrative Code (NMAC) Title 19, Chapter 15, Part 29, Section 12 (NMAC 19.15.29.12).

According to the Site characterization evaluation and 19.15.29.12.C(4)(a)(i) the site is located within 300 feet of a significant watercourse. Additionally, the Site is located within three hundred (300) feet of a wetland and is within a floodplain. No groundwater data could be located within one-half mile of the Site. No other receptors (water wells, playas, lakebeds or ordinance boundaries) were located within each specific boundaries or distance from the Site. The Site must be treated as if groundwater is less than fifty (50) feet below ground surface. The Site characterization documentation (Karst Potential, Points of Diversion, Significant Watercourse, FEMA, and Wetlands maps) are provided in Attachment A. The soil and Closure Criteria are listed below:

General Site Characterization and Groundwater:

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

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

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

4. Soil Delineation Assessment Summary and Findings

From February 17, 2022, to March 24, 2022, GHD Services Inc. (GHD) and EOG's contractor Standard Safety and Supply (SS) installed twenty-three (23) test pits, TP1 through TP23, within the suspected impacted area. Soil samples were collected at depths ranging from surface to twenty (20) 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.

Fourteen (14) of the twenty-three (23) test pits had samples exceeding applicable Table I Closure Criteria for depth to water less than fifty (50) feet below ground surface:TP1, TP2, TP3, TP4, TP5, TP7, TP8, TP9, TP10, TP11, TP12, TP14, TP15, and TP17. Figure 2, Site 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 B.

In order to vertically delineate TPH and chloride impacts, GHD and HCI Drilling (HCI) mobilized to the Site on April 27, 2022, to install two borings. SB-1 was installed to a depth of approximately thirty-five (35) feet below



ground surface and SB-2 was installed to a depth of approximately thirty (30) feet below ground surface. Soil samples were collected at five (5) foot intervals from five (5) feet below ground surface to total depth. All soil samples were submitted to HEAL in Albuquerque, New Mexico, and analyzed for BTEX by EPA Method 8021B, TPH by Method 8015B Modified, and chloride by EPA Method 300. Figure 2, Site Assessment: Soil Analytical Results Map, depicts the locations of the soil borings and analytical results. Analytical results are provided in Table 1, on Figure 2, and in the Laboratory Analytical Reports provided in Attachment B.

Six (6) of the thirteen (13) soil samples collected exhibited concentrations exceeding applicable Table I Closure Criteria for depth to water less than fifty (50) feet below ground surface listed below:

- TPH: SB-1 (5'), SB-1 (10'), SB-1 (15'), SB-1 (20'), and SB-2 (20')
- BTEX: SB-1 (15')
- Chloride: SB-2 (20') and SB-2 (25')

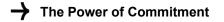
In SB-1 total BTEX and TPH concentrations were delineated to below 50 mg/kg and 100 mg/kg at fifteen (15) and twenty (20) feet below ground surface, respectively. In SB-2 total TPH and chloride concentrations were delineated to below 100 mg/kg and 600 mg/kg at twenty (20) and twenty-five (25) feet below ground surface, respectively. Soil boring logs are provided as Attachment C.

5. nAPP2115335335 Proposed Work Plan

TP1, TP2, TP3, TP4, TP5, TP7, TP8, TP9, TP10, TP11, TP12, TP14, TP15, TP17, SB-1 and SB-2 exhibited BTEX, TPH and/or chloride concentrations above Table I Closure Criteria to varying depths between surface and twenty-five (25) feet below ground surface.

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

- TP8, TP9, and TP10 will be excavated to a depth of approximately two (2) feet below ground surface or until concentrations are below Table I Closure Criteria.
- TP14 will be excavated to a depth of approximately two (2) to four (4) feet below ground surface or until concentrations are below Table I Closure Criteria.
- TP7 will be excavated to a depth of approximately four (4) to six (6) feet below ground surface or until concentrations are below Table I Closure Criteria.
- TP11 will be excavated to a depth of approximately four (4) to eight (8) feet below ground surface or until concentrations are below Table I Closure Criteria.
- TP17 will be excavated to a depth of approximately eight (8) to ten (10) feet below ground surface or until concentrations are below Table I Closure Criteria.
- TP5 will be excavated to a depth of approximately eight (8) to twelve (12) feet below ground surface or until concentrations are below Table I Closure Criteria.
- TP12 and TP15 will be excavated to a depth of approximately twelve (12) to fourteen (14) feet below ground surface or until concentrations are below Table I Closure Criteria.
- TP4 will be excavated to a depth of approximately twelve (12) to sixteen (16) feet below ground surface or until concentrations are below Table I Closure Criteria.



- TP1, TP3, and SB-1 will be excavated to a depth of approximately twenty (20) to twenty-five (25) feet below ground surface or until concentrations are below Table I Closure Criteria.
- TP2 and SB-2 will be excavated to a depth of approximately twenty-six (26) feet below ground surface or until concentrations are below Table I Closure Criteria if it is reasonably safe to do so.

Composite confirmation samples will be collected from the bottom of the excavation and the sidewalls of the excavation from areas representing no more than two hundred (200) square feet. Discrete soil samples will be collected from the sidewalls if any staining is observed. All confirmation samples will be taken to a certified laboratory and analyzed for BTEX by EPA Method 8021B, TPH by Method 8015B Modified, and chloride by EPA Method 300.

Excavated soils will be transported to a NMOCD approved disposal facility for disposal. The anticipated volume of soil to be disposed of is approximately 6,700 to 8,000 cubic yards depending on the final dimensions of the excavation based on the depth and site conditions encountered. The excavation will be backfilled with non-impacted soil transported to the site. The remediation will be performed within 90 days after the work plan has been approved.

If all analytical results are below Table I Closure Criteria a closure report will be submitted to the NMOCD requesting site closure. If during excavation of TP1, TP2, TP3, SB-1 and/or SB-2 it is deemed unsafe to continue to the proposed depth of twenty (20) to twenty-six (26) feet below ground surface, further vertical excavation activities will cease. The sidewall of the deeper excavation will be excavated until concentrations are below Table I concentrations, the excavation will be backfilled, and an amended Site Remediation Work Plan will be submitted for NMOCD consideration.

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

Sincerely,

GHD

Rebena Haskell

Becky Haskell Senior Project Manager

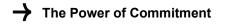
BH/NR/1

Marke June

Nate Reece Environmental Scientist

Encl. Figure 1 – Site Location Map
 Figure 2 – Site Assessment: Soil Analytical Results and Proposed Excavation Map
 Table 1 – Summary of Soil Analytical Data
 Attachment A – Site Characterization Documentation
 Attachment B – Laboratory Analytical Reports and Chain-of-Custody Documentation
 Attachment C – Soil Boring Logs

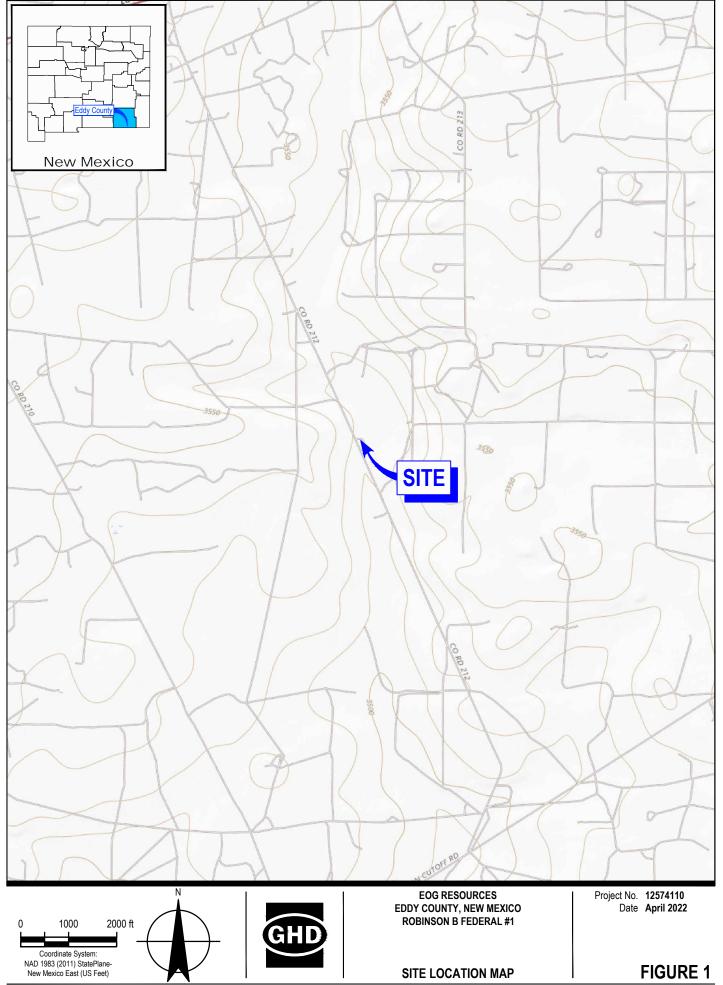
cc: Chase Settle



Received by OCD: 8/4/2022 4:57:41 PM

Figures

 $\textbf{GHD} \mid \textbf{Attachment Pages.docx Site Characterization and Remediation Work Plan (2)}$



Filename: Wohdnet/ghdUSMidlandProjects/562/12574110/Digital_Design/ACAD/Figures/RPT001/12574110-GHD-0000-RPT-EN-0101-DL-001.dwg
Released to Imaging 19 9/20/2022 2:02:30 PM

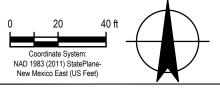
Data Source: USGS 7.5 Minute Quad "Red Lake SE, New Mexico" Lat/Long: 32.791751° North, 104.063586° West

Normal International Action of the state															
				Benzene	BTEX	Total			-	N D R HW				TPH Total	Chloride
	Sample ID					(mg/kg)	(mg/kg)		Sample ID					(mg/kg)	(mg/kg)
				Table I Clo			t Depth to			Date	(11.093)	Table I C			Depth to
						100 mg/kg	600 mg/kg	the second state with the ball of the second state of the second state of the second state of the second state				10 mg/kg	50 mg/kg	100 mg/kg	600 mg/kg
	TD1 4	2/17/22	1	1 1	-	10.900	<60		3		1	1	1		
											-	-			
	TP1-19	2/17/22	19	<0.40	11.1	5,070	110	□TP-18	1						
							-		TP14-S	2/21/22	Surface	<0.023	<0.092	<45	94
								8-10 ⁻¹¹	2						_
									12						
								□ TP-16 □ TP-12							
								□ TP-15 2' 12-14'	1.1						
							-	12-14' TD 10	24		-				-
							-		la a						
							_		4.8						
							_								
							_	Print of the second sec	75.		-	-			-
	TP4-4	2/17/22	4	<0.12	<0.48	9,900	<60		2.43			-			-
	TP4-12	2/17/22	12	<0.024	<0.097	5,500	230		12 C						
	TP4-16	2/17/22	16	<0.024	<0.095	57	86	TP-9 2'	The second se						
									0						
									24		-				
			6				_	□TP-20	TP20-S	3/24/22	Surface		<0.097	<48	<60
							_		TP20-2	3/24/22	2	<0.024	<0.096	<49	<60
Price Price <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>TP-2 ■ LSB-2</td><td>TP21-S</td><td>3/24/22</td><td>Surface</td><td><0.023</td><td><0.094</td><td><50</td><td><60</td></t<>								TP-2 ■ LSB-2	TP21-S	3/24/22	Surface	<0.023	<0.094	<50	<60
								8-12	TP21-2	3/24/22	2	<0.024	<0.098	<47	<59
IFF7 2/19/2 2 virile 0.1/2 0.6/6 12.00 4.0/0								26' IP-7			-				
IP74 21822 2 0.020 0.090 440 000 0.090 4.00 0.000 0.090 4.00 0.000	TP7-S	2/18/22	Surface	<0.12	<0.46	12,300	3,200	4-6'	1. A.						
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $								TP23	8.0						
PRS VIAC Out							_								
TP92 21/022 2 0.004 0.007 445 65 TP94 21/022 4 0.025 0.01 449 63 TP18 21/022 2 0.025 0.01 449 64 440 TP193 21/022 2 0.025 0.026 440 440 440 TP193 21/022 2 0.023 0.026 440 440 440 TP193 21/022 2 0.023 4008 440 <td></td> <td></td> <td>Surface</td> <td></td> <td></td> <td></td> <td>65</td> <td></td> <td></td> <td></td> <td>5</td> <td></td> <td></td> <td></td> <td></td>			Surface				65				5				
TP11.2 Q1022 Q2 <0.12 <0.04 1,650 140 TP11.4 Q1022 Q4 <0.051 1,850 140 TP11.4 Q1022 Q4 <0.051 1,850 140 TP11.4 Q1022 Q4 <0.051 1,850 140 TP12.5 Q1022 Surface <0.024 <0.086 16 1,000 TP12.5 Q1022 G <0.024 <0.086 16 1,000 TP12.4 Q1622 G <0.024 <0.086 66 1,000 TP12.5 Q1622 G <0.024 <0.096 <0.004 <0.096 <0.024 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096							65	12-10							-
TP11.2 Q1022 Q2 <0.12 <0.04 1,650 140 TP11.4 Q1022 Q4 <0.051 1,850 140 TP11.4 Q1022 Q4 <0.051 1,850 140 TP11.4 Q1022 Q4 <0.051 1,850 140 TP12.5 Q1022 Surface <0.024 <0.086 16 1,000 TP12.5 Q1022 G <0.024 <0.086 16 1,000 TP12.4 Q1622 G <0.024 <0.086 66 1,000 TP12.5 Q1622 G <0.024 <0.096 <0.004 <0.096 <0.024 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096	TP8-4	2/18/22	4	<0.025	<0.10	<49	63				-				_
TP11.2 Q1022 Q2 <0.12 <0.04 1,650 140 TP11.4 Q1022 Q4 <0.051 1,850 140 TP11.4 Q1022 Q4 <0.051 1,850 140 TP11.4 Q1022 Q4 <0.051 1,850 140 TP12.5 Q1022 Surface <0.024 <0.086 16 1,000 TP12.5 Q1022 G <0.024 <0.086 16 1,000 TP12.4 Q1622 G <0.024 <0.086 66 1,000 TP12.5 Q1622 G <0.024 <0.096 <0.004 <0.096 <0.024 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096								20-25' LIP-6	The second se		-				-
TP11.2 Q1022 Q2 <0.12 <0.04 1,650 140 TP11.4 Q1022 Q4 <0.051 1,850 140 TP11.4 Q1022 Q4 <0.051 1,850 140 TP11.4 Q1022 Q4 <0.051 1,850 140 TP12.5 Q1022 Surface <0.024 <0.086 16 1,000 TP12.5 Q1022 G <0.024 <0.086 16 1,000 TP12.4 Q1622 G <0.024 <0.086 66 1,000 TP12.5 Q1622 G <0.024 <0.096 <0.004 <0.096 <0.024 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096								© BB-1	No.		-				-
TP11.2 Q1022 Q2 <0.12 <0.04 1,650 140 TP11.4 Q1022 Q4 <0.051 1,850 140 TP11.4 Q1022 Q4 <0.051 1,850 140 TP11.4 Q1022 Q4 <0.051 1,850 140 TP12.5 Q1022 Surface <0.024 <0.086 16 1,000 TP12.5 Q1022 G <0.024 <0.086 16 1,000 TP12.4 Q1622 G <0.024 <0.086 66 1,000 TP12.5 Q1622 G <0.024 <0.096 <0.004 <0.096 <0.024 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096								R	11						
TP11.2 Q1022 Q2 <0.12 <0.04 1,650 140 TP11.4 Q1022 Q4 <0.051 1,850 140 TP11.4 Q1022 Q4 <0.051 1,850 140 TP11.4 Q1022 Q4 <0.051 1,850 140 TP12.5 Q1022 Surface <0.024 <0.086 16 1,000 TP12.5 Q1022 G <0.024 <0.086 16 1,000 TP12.4 Q1622 G <0.024 <0.086 66 1,000 TP12.5 Q1622 G <0.024 <0.096 <0.004 <0.096 <0.024 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096 <0.004 <0.096									10 m						
Initial 21022 4 0.12 0.03 1.00 1.00 TP114 32322 8 0.024 0.098 4.00 16 1.700 TP12.5 2118/22 Surface 0.12 0.048 1.860 -600 TP12.4 2118/22 4 -0.12 -0.48 1.86 -600 TP12.4 2118/22 6 -0.12 -0.49 2.33 -600 TP12.4 2118/22 6 -0.12 -0.49 2.33 -600 TP12.4 2138/22 14 -0.025 -0.010 63 -610 TP12.4 3232/2 14 -0.025 -0.10 63 -610 TP12.14 3232/2 14 -0.025 -0.10 63 -610								TTP2/9							
In 100 SEGRE 0 0.002 0.			4								-				
TP12-S 218/22 Surface <0.12 <0.48 1.860 <60 TP12-4 21/8/22 4 <0.12			8						and the second s		-				
TP12.6 2/18/22 6 <							-		Strenger .	200	1. 1. 7	to a will me	- Park	1 . I. S	C. PTTY
TP12-8 3/23/22 8 <0.024 <0.097 1,500 <60 TP12-12 3/23/22 12 <0.025 <0.099 236 240 TP12-14 3/23/22 14 <0.025 <0.10 63 <61 LEGEND 4* PROPOSED EXCAVATION AREA/DEPTH							_		A. 2.2	Co Shit	1 4.04	1731-4	-2 -2	the start of	144
TP12-14 3/23/22 14 <0.025 <0.10 63 <61 LEGEND 4' PROPOSED EXCAVATION AREA/DEPTH		3/23/22	8	<0.024		1,500	<60	Bar Bart Bart Bart Bart Bart Bart Bart B	10.1	Toperation		E-call	14. C	· 647 - 19	A justo
LEGEND 4' PROPOSED EXCAVATION AREA/DEPTH									1		1.1	CA STORY	2 1		S. to
LEGEND 4 PROPOSED EXCAVATION AREA/DEPTH	1P12-14	3/23/22	14	<0.025	<0.10	0.3	<01	「「「「「「「「「」」」	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	STAN AND	1. j.	1. P	the is	e sice	PL BA
4 PROPOSED EXCAVATION AREA/DEPTH					Sec. 2		1 1 22		Mile Per	the day	521.1	a stand	A	- 3rt 1957	S. 8. 2.4
					Sec.	129 . 52-5	1. F. 1.		THE EL	1945		2 Aline	1. B. 1	1 448	12. 54.5
				UEPIH	8. L	* Hicks	193.24	「「「「「「「「「「」」」」」「「「」」」」「「「」」」」「「」」」」「「」」」」		Las marine	1. A	1 · ·	a wert	griphe .	2 20

PROPOSED EXCAVAT PROPOSED SOIL BORING LOCATION DEPTH DEPTH OF SAMPLE (FT) BTEX BENZENE, TOLUENE, ETHYLBENZENE & XYLENES CONCENTRATION (MG/KG) TPH TOTAL PETROLEUM HYDROCARBONS

CONCENTRATION (MG/KG)

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





EOG RESOURCES
EDDY COUNTY, NEW MEXICO
ROBINSON B FEDERAL #1

GHD

SITE ASSESSMENT: SOIL ANALYTICAL RESULTS MAP



Project No. 12574110

Date August 2022

Data Source: Image © 2021 Google - Imagery Date: December 21, 2019 Lat/Long: 32.791751° North, 104.063586° West

Received by OCD: 8/4/2022 4:57:41 PM

Tables

•

										ТРН		
			Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	Chloride
Sample ID	Sample Date	Depth (ft bgs)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
	Date	(11 bgs)			Table I C	Closure Criteria	for Soils <50 fe	et Depth to Gro	oundwater 19.15	.29 NMAC		
			10 mg/kg				50 mg/kg				100 mg/kg	600 mg/kg
					Initial As	sessment Sam	oles		-	_		
TP1-4	2/17/22	4	<0.12	<0.25	<0.25	<0.50	<0.50	<25	5,700	5,100	10,800	<60
TP1-12	2/17/22	12	0.52	<1.0	17	15.0	32.52	410	3,400	1,400	5,210	970
TP1-19	2/17/22	19	<0.40	<0.40	6.1	5.0	11.1	170	1,800	3,100	5,070	110
TP2-2	2/17/22	2	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	1,300	1,500	2,800	71
TP2-8	2/17/22	8	<0.12	<0.24	<0.24	<0.49	<0.49	<24	3,000	2,800	5,800	420
TP2-10	2/17/22	10	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	160	320	480	1,100
TP2-14	3/23/22	14	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	610	690	1,300	500
TP2-16	3/23/22	16	<0.025	<0.049	<0.049	<0.099	<0.099	<5.0	<9.3	<47	<47	130
TP2-20	3/23/22	20	<0.016	<0.032	<0.032	<0.064	<0.064	<3.2	<10	<50	<50	710
TP3-S	2/17/22	Surface	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	2,200	4,100	6,300	<60
TP3-2	2/17/22	2	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	1,500	2,300	3,800	<60
TP3-4	2/17/22	4	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	2,000	4,100	6,100	<60
TP3-8	3/23/22	8	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	1,000	1,300	2,300	<60
TP3-12	3/23/22	12	37	240	220	260	757	5,300	26,000	9,300	35,300	89
TP3-16	3/23/22	16	3.1	18	37	46	104.1	1,100	5,400	2,000	7,400	200
TP3-19	3/23/22	19	0.87	3.6	7.9	9.4	21.77	270	1,200	580	2,050	190
TP4-4	2/17/22	4	<0.12	<0.24	<0.24	<0.48	<0.48	<24	4,800	5,100	9,900	<60
TP4-12	2/17/22	12	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	2,100	3,400	5,500	230
TP4-16	2/17/22	16	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	9.2	48	57	86
TP5-S	2/17/22	Surface	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<8.9	<44	<44	170
TP5-2	2/17/22	2	<0.023	<0.046	<0.046	<0.092	<0.092	<4.6	<9.8	<49	<49	320
TP5-4	2/17/22	4	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	610	1,100	1,710	<60
TP5-6	2/17/22	6	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	140	530	670	<60
TP5-8	3/23/22	8	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	91	330	421	91
TP5-12	3/23/22	12	<0.025	<0.50	<0.50	<0.10	<0.10	<5.0	<10	<51	<51	<60
TP6-2	2/17/22	2	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.2	<46	<46	<60
TP6-4	2/17/22	4	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.8	<49	<49	350
TP6-6	2/17/22	6	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.3	<46	<46	460

Received by OCD: 8/4/2022 4:57:41 PM

.

Released to Imaging: 9/20/2022 2:02:30 PM

										ТРН			
			Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO	DRO	MRO	Total	Chloride	
	Sample	Depth			<i>(</i> , , , , , , , , , ,			(C6-C10)	(C10-C28)	(C28-C35)	GRO/DRO/MRO		
Sample ID	Date	(ft bgs)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
				Table I Closure Criteria for Soils <50 feet Depth to Groundwater 19.15.29 NMAC									
			10 mg/kg				50 mg/kg				100 mg/kg	600 mg/kg	
TP7-S	2/18/22	Surface	<0.12	<0.23	<0.23	<0.46	<0.46	<0.23	6,700	5,600	12,300	3,200	
TP7-2	2/18/22	2	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.6	<48	<48	890	
TP7-4	2/18/22	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.7	<49	<49	640	
TP7-6	3/23/22	6	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.2	<46	<46	92	
TP8-S	2/18/22	Surface	<0.12	<0.24	<0.24	<0.48	<0.48	<24	62	310	372	65	
TP8-2	2/18/22	2	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<8.9	<45	<45	65	
TP8-4	2/18/22	4	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.8	<49	<49	63	
TP9-S	2/18/22	Surface	<0.12	<0.24	<0.24	<0.47	<0.47	<24	12	48	60	2,700	
TP9-2	2/18/22	2	<0.023	<0.046	<0.046	<0.093	<0.093	<4.6	<9.3	<46	<46	140	
TP10-S	2/18/22	Surface	<0.12	<0.25	<0.25	<0.50	<0.50	<25	3,500	4,600	8,100	<60	
TP10-2	2/18/22	2	<0.12	<0.25	<0.25	<0.49	<0.49	<25	<8.9	<44	<44	<60	
TP11-S	2/18/22	Surface	<0.12	<0.25	<0.25	<0.50	<0.50	<25	510	1,400	1,910	1,500	
TP11-2	2/18/22	2	<0.12	<0.24	<0.24	<0.49	<0.49	<24	550	1,100	1,650	140	
TP11-4	2/18/22	4	<0.12	<0.25	<0.25	<0.50	<0.50	<25	840	990	1,830	140	
TP11-8	3/23/22	8	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.9	<49	<49	130	
TP12-S	2/18/22	Surface	<0.12	<0.24	<0.24	<0.48	<0.48	<24	460	1,400	1,860	<60	
TP12-4	2/18/22	4	<0.12	<0.24	<0.24	<0.48	<0.48	<24	65	71	136	<60	
TP12-6	2/18/22	6	<0.12	<0.25	<0.25	<0.49	<0.49	<25	73	160	233	<60	
TP12-8	3/23/22	8	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	520	980	1,500	<60	
TP12-12	3/23/22	12	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	46	190	236	240	
TP12-14	3/23/22	14	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	11	52	63	<61	
TP13-S	2/21/22	Surface	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	9.7	<42	9.7	560	
TP13-2	2/21/22	2	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.8	<49	<49	160	
TP13-4	2/21/22	4	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<10	<50	<50	140	
TP14-S	2/21/22	Surface	<0.023	<0.046	<0.046	<0.092	<0.092	<4.6	<9.1	<45	<45	94	
TP14-2	2/21/22	2	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	70	250	320	<60	
TP14-4	2/21/22	4	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.2	<46	<46	69	
TP15-S	2/21/22	Surface	<0.12	<0.25	<0.25	<0.50	<0.50	<25	250	1,000	1,250	<60	
TP15-4	2/21/22	4	<0.12	<0.24	<0.24	<0.48	<0.48	<24	1,100	2,800	3,900	<60	
TP15-8	2/21/22	8	<0.12	<0.24	<0.24	<0.48	<0.48	<24	630	2,400	3,030	<60	
TP15-12	2/21/22	12	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	66	240	306	97	

										TPH		
			Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO	DRO	MRO	Total	Chloride
	Sample	Depth		<i>,</i> , , , , , , , , , , , , , , , , , ,				(C6-C10)	(C10-C28)	(C28-C35)	GRO/DRO/MRO	<i>, , , , , , , , , ,</i>
Sample ID	Date	(ft bgs)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
					Table I C	Closure Criteria	for Soils <50 fe	et Depth to Gro	oundwater 19.15	.29 NMAC		
			10 mg/kg				50 mg/kg				100 mg/kg	600 mg/kg
TP15-14	3/23/22	14	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<9.7	76	76	150
TP16-S	3/23/22	Surface	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.5	<48	<48	<61
TP16-2	3/23/22	2	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.8	<49	<49	<60
TP17-2	3/23/22	2	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	680	1,200	1,880	<60
TP17-4	3/23/22	4	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	2,400	3,800	6,200	<60
TP17-8	3/23/22	8	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	310	800	1,110	<60
TP17-10	3/23/22	10	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<10	<50	<50	<61
TP18-S	3/23/22	Surface	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.9	90	90	<60
TP18-2	3/23/22	2	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<9.6	<50	<50	<60
TP19-S	3/24/22	Surface	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.7	<49	<49	<60
TP19-2	3/24/22	2	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.4	<47	<47	<60
TP20-S	3/24/22	Surface	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<9.6	<48	<48	<60
TP20-2	3/24/22	2	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.7	<49	<49	<60
TP21-S	3/24/22	Surface	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	<10	<50	<50	<60
TP21-2	3/24/22	2	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.4	<47	<47	<59
TP22-S	3/24/22	Surface	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.6	<48	<48	<60
TP22-2	3/24/22	2	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<9.9	<49	<49	<60
TP23-S	3/24/22	Surface	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.4	<47	<47	<60
TP23-2	3/24/22	2	<0.023	<0.046	<0.046	<0.093	<0.093	<4.6	<9.5	<47	<47	<60
					S	oil Borings	•			•		
SB-1 (5')	4/27/22	5	1.4	<0.50	16	9.5	26.9	660	2,300	1,300	4,260	<60
SB-1 (10')	4/27/22	10	<0.12	<0.23	3.1	3.5	6.6	120	1,000	690	1,810	<61
SB-1 (15')	4/27/22	15	16	61	66	79	222	2,200	6,500	2,400	11,100	67
SB-1 (20')	4/27/22	20	<0.12	0.52	2.7	3.5	6.72	110	2,600	1,100	3,810	140
SB-1 (25')	4/27/22	25	<0.12	<0.25	<0.25	<0.49	<0.49	<35	<9.8	<49	<49	230
SB-1 (30')	4/27/22	30	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.9	<50	<50	150
SB-1 (35')	4/27/22	35	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.4	<47	<47	<60
SB-2 (5')	4/27/22	5	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<9.5	<48	<48	130
SB-2 (10')	4/27/22	10	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.4	<47	<47	280
SB-2 (15')	4/27/22	15	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<10	<50	<50	170
SB-2 (20')	4/27/22	20	<0.12	<0.23	<0.23	<0.47	<0.47	<23	210	200	410	3,000

Received by OCD: 8/4/2022 4:57:41 PM

Released to Imag						Robins EO	Table 1 of Soil Analytica son B Federal # G Resources ounty, New Mex	1					
ing:		ТРН											
9				Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	Chloride
0/2	Sample ID	Sample Date	Depth (ft bac)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
/20/2022		Date	(ft bgs)			Table I C	Closure Criteria	for Soils <50 fe	et Depth to Gro	oundwater 19.15	.29 NMAC		
2:0				10 mg/kg				50 mg/kg				100 mg/kg	600 mg/kg
2:3	SB-2 (25')	4/27/22	25	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	15	<49	15	1,700
10	SB-2 (30')	4/27/22	30	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<10	<50	<50	<61
Ma													

Notes:

1. Values reported in mg/kg

2. < = Value Less than Reporting Limit (RL)

Bold Indicates Analyte Detected
 BTEX analyses by EPA Method SW 8021B.

5. TPH analyses by EPA Method SW 8015 Mod.

B-BH-2 Sample Point Excavated

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

7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table 1 Closure Criteria for the site.

8. Peach shaded cells indicate analytical samples that exceed the NMAC 19.15.29.13 Table 1 Closure Criteria for the site (Surface to 4 Feet Below Grade).

Page 17 of 182

Attachment A Site Characterization Documentation



OSE POD Locations Map



3/1/2022, 11:39:00 AM



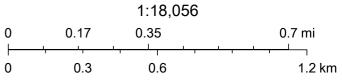
New Mexico State Trust Lands

Both Estates

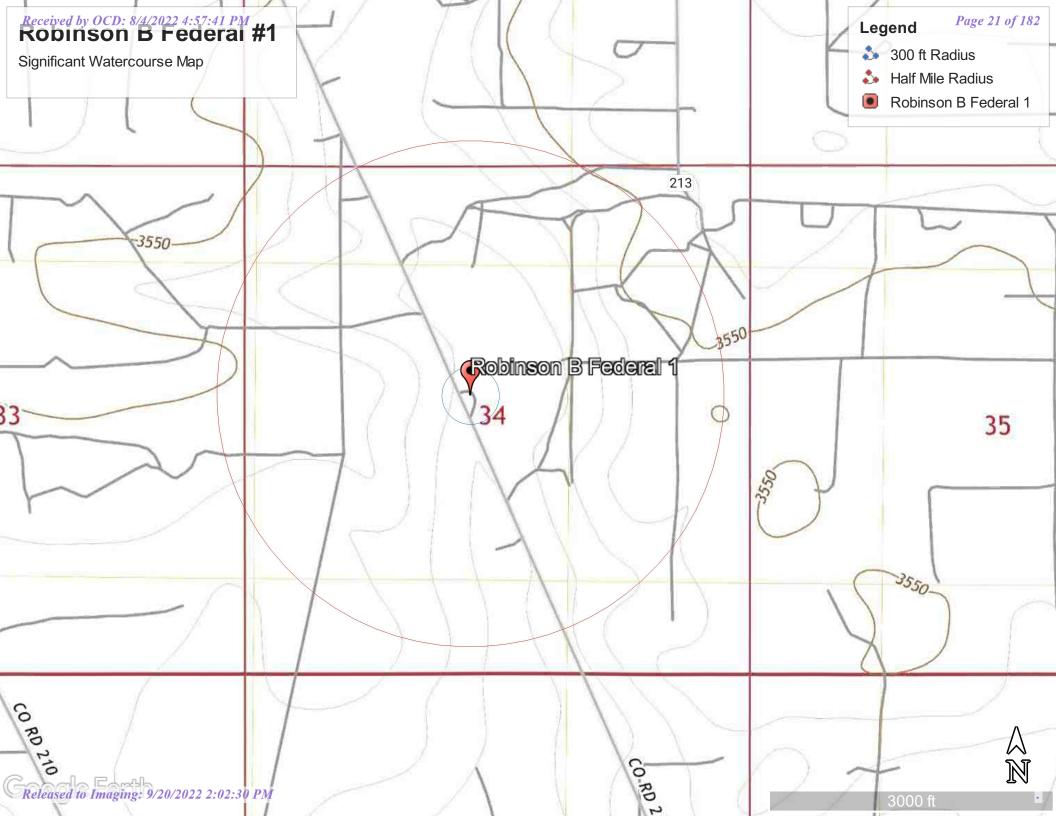
OSE District Boundary

Subsurface Estate

SiteBoundaries



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



Page 22 of 182



Robinson B Federal #1



March 2, 2022

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Forested/Shrub Wetland

Freshwater Emergent Wetland

Freshwater Pond

Lake Other Riverine

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

Released to Imaging: 9/20/2022 2:02:30 PM

National Wetlands Inventory (NWI) This page was produced by the NWI mapper

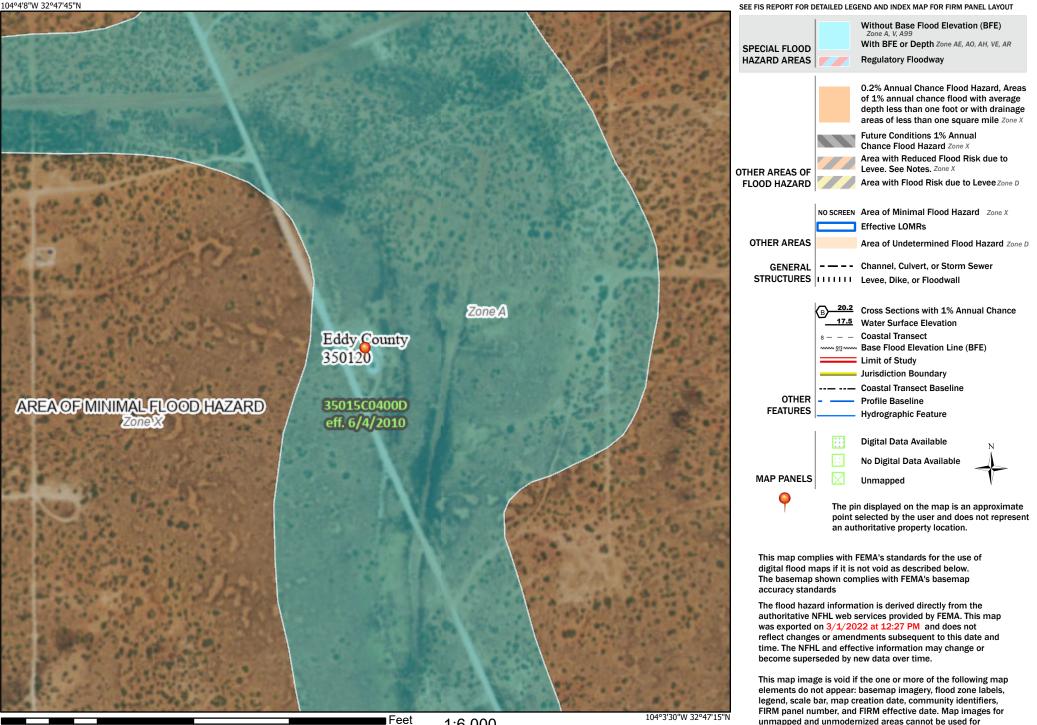
Received by OCD: 8/4/2022 4:57:41 PM National Flood Hazard Layer FIRMette



Legend

regulatory purposes.

Page 23 of 182



Releasea to Imaging: 9/20/2022 292:30 PM 1,500

Feet 1:6.000 2.000

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

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



March 08, 2022

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

RE: Robinson B Federal 1

OrderNo.: 2202A39

Hall Environmental Analysis Laboratory

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

Website: clients.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 19 sample(s) on 2/23/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202A39

Date Reported: 3/8/2022

CLIENT: GHD Midland Project: Robinson B Federal 1	Client Sample ID: TP1-4 Collection Date: 2/17/2022 9:35:00 AM									
Lab ID: 2202A39-001	Matrix: SOIL		Recei	ved Dat	e: 2/2	23/2022 7:45:00 AM				
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS						Analyst	JMT			
Chloride	ND	60		mg/Kg	20	3/1/2022 2:15:22 PM	65853			
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	SB			
Diesel Range Organics (DRO)	5700	450		mg/Kg	50	2/25/2022 12:15:43 AM	65766			
Motor Oil Range Organics (MRO)	5100	2300		mg/Kg	50	2/25/2022 12:15:43 AM	65766			
Surr: DNOP	0	51.1-141	S	%Rec	50	2/25/2022 12:15:43 AM	65766			
EPA METHOD 8015D: GASOLINE RANG	E					Analyst	RAA			
Gasoline Range Organics (GRO)	ND	25		mg/Kg	5	2/24/2022 6:30:00 PM	65760			
Surr: BFB	109	70-130		%Rec	5	2/24/2022 6:30:00 PM	65760			
EPA METHOD 8021B: VOLATILES						Analyst	RAA			
Benzene	ND	0.12		mg/Kg	5	2/24/2022 6:30:00 PM	65760			
Toluene	ND	0.25		mg/Kg	5	2/24/2022 6:30:00 PM	65760			
Ethylbenzene	ND	0.25		mg/Kg	5	2/24/2022 6:30:00 PM	65760			
Xylenes, Total	ND	0.50		mg/Kg	5	2/24/2022 6:30:00 PM	65760			
Surr: 4-Bromofluorobenzene	92.8	70-130		%Rec	5	2/24/2022 6:30:00 PM	65760			

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

Qualifiers:

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

Page 1 of 25

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202A39

Date Reported: 3/8/2022

CLIENT: GHD Midland		Cl	ient S	ample II	D: TF	21-12	
Project: Robinson B Federal 1				-		7/2022 9:45:00 AM	
Lab ID: 2202A39-002	Matrix: SOIL		Recei	ived Dat	e: 2/2	23/2022 7:45:00 AM	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: JMT
Chloride	970	60		mg/Kg	20	3/1/2022 2:52:37 PM	65853
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS					Analyst	SB
Diesel Range Organics (DRO)	3400	170		mg/Kg	20	2/28/2022 5:08:46 PM	65766
Motor Oil Range Organics (MRO)	1400	870		mg/Kg	20	2/28/2022 5:08:46 PM	65766
Surr: DNOP	0	51.1-141	S	%Rec	20	2/28/2022 5:08:46 PM	65766
EPA METHOD 8015D: GASOLINE RAN	IGE					Analyst	RAA
Gasoline Range Organics (GRO)	410	100		mg/Kg	20	2/24/2022 6:50:00 PM	65760
Surr: BFB	220	70-130	S	%Rec	20	2/24/2022 6:50:00 PM	65760
EPA METHOD 8021B: VOLATILES						Analyst	RAA
Benzene	0.52	0.50		mg/Kg	20	2/24/2022 6:50:00 PM	65760
Toluene	ND	1.0		mg/Kg	20	2/24/2022 6:50:00 PM	65760
Ethylbenzene	17	1.0		mg/Kg	20	2/24/2022 6:50:00 PM	65760
Xylenes, Total	15	2.0		mg/Kg	20	2/24/2022 6:50:00 PM	65760
Surr: 4-Bromofluorobenzene	115	70-130		%Rec	20	2/24/2022 6:50:00 PM	65760

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

Qualifiers:

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

Page 2 of 25

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202A39

Date Reported: 3/8/2022

CLIENT: GHD Midland	Client Sample ID: TP1-19								
Project: Robinson B Federal 1	Collection Date: 2/17/2022 9:55:00 AM								
Lab ID: 2202A39-003	Matrix: SOIL	Matrix: SOIL Received Date: 2/23/2022 7:45:00							
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS						Analyst	: JMT		
Chloride	110	60		mg/Kg	20	3/1/2022 3:05:01 PM	65853		
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS					Analyst	: SB		
Diesel Range Organics (DRO)	1800	460		mg/Kg	50	2/25/2022 12:37:00 AN	65766		
Motor Oil Range Organics (MRO)	3100	2300		mg/Kg	50	2/25/2022 12:37:00 AN	65766		
Surr: DNOP	0	51.1-141	S	%Rec	50	2/25/2022 12:37:00 AN	65766		
EPA METHOD 8015D: GASOLINE RANG	GE					Analyst	RAA		
Gasoline Range Organics (GRO)	170	99		mg/Kg	20	2/24/2022 7:10:00 PM	65760		
Surr: BFB	166	70-130	S	%Rec	20	2/24/2022 7:10:00 PM	65760		
EPA METHOD 8021B: VOLATILES						Analyst	: RAA		
Benzene	ND	0.40	D	mg/Kg	20	2/24/2022 7:10:00 PM	65760		
Toluene	ND	0.40	D	mg/Kg	20	2/24/2022 7:10:00 PM	65760		
Ethylbenzene	6.1	0.99	D	mg/Kg	20	2/24/2022 7:10:00 PM	65760		
Xylenes, Total	5.0	2.0	D	mg/Kg	20	2/24/2022 7:10:00 PM	65760		
Surr: 4-Bromofluorobenzene	103	70-130	D	%Rec	20	2/24/2022 7:10:00 PM	65760		

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

Qualifiers:

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

Page 3 of 25

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202A39

Date Reported: 3/8/2022

CLIENT: GHD Midland	Client Sample ID: TP2-2								
Project: Robinson B Federal 1	Collection Date: 2/17/2022 10:45:00 AM								
Lab ID: 2202A39-004	Matrix: SOIL	23/2022 7:45:00 AM							
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS						Analyst	JMT		
Chloride	71	60		mg/Kg	20	3/1/2022 3:42:15 PM	65853		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	SB		
Diesel Range Organics (DRO)	1300	170		mg/Kg	20	2/25/2022 12:47:39 AM	65766		
Motor Oil Range Organics (MRO)	1500	840		mg/Kg	20	2/25/2022 12:47:39 AM	65766		
Surr: DNOP	0	51.1-141	S	%Rec	20	2/25/2022 12:47:39 AM	65766		
EPA METHOD 8015D: GASOLINE RANG	E					Analyst	RAA		
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/24/2022 8:29:00 PM	65760		
Surr: BFB	100	70-130		%Rec	1	2/24/2022 8:29:00 PM	65760		
EPA METHOD 8021B: VOLATILES						Analyst	RAA		
Benzene	ND	0.023		mg/Kg	1	2/24/2022 8:29:00 PM	65760		
Toluene	ND	0.047		mg/Kg	1	2/24/2022 8:29:00 PM	65760		
Ethylbenzene	ND	0.047		mg/Kg	1	2/24/2022 8:29:00 PM	65760		
Xylenes, Total	ND	0.094		mg/Kg	1	2/24/2022 8:29:00 PM	65760		
Surr: 4-Bromofluorobenzene	85.5	70-130		%Rec	1	2/24/2022 8:29:00 PM	65760		

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

Qualifiers:

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

Page 4 of 25

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202A39

Date Reported: 3/8/2022

CLIENT: GHD Midland	Client Sample ID: TP2-8								
Project: Robinson B Federal 1	Collection Date: 2/17/2022 10:50:00 AM								
Lab ID: 2202A39-005	Matrix: SOIL	23/2022 7:45:00 AM							
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS						Analyst	JMT		
Chloride	420	60		mg/Kg	20	3/1/2022 3:54:39 PM	65853		
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS					Analyst	SB		
Diesel Range Organics (DRO)	3000	190		mg/Kg	20	2/25/2022 12:58:20 AM	65766		
Motor Oil Range Organics (MRO)	2800	940		mg/Kg	20	2/25/2022 12:58:20 AM	65766		
Surr: DNOP	0	51.1-141	S	%Rec	20	2/25/2022 12:58:20 AM	65766		
EPA METHOD 8015D: GASOLINE RANG	GE					Analyst	RAA		
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	2/24/2022 8:48:00 PM	65760		
Surr: BFB	103	70-130		%Rec	5	2/24/2022 8:48:00 PM	65760		
EPA METHOD 8021B: VOLATILES						Analyst	RAA		
Benzene	ND	0.12		mg/Kg	5	2/24/2022 8:48:00 PM	65760		
Toluene	ND	0.24		mg/Kg	5	2/24/2022 8:48:00 PM	65760		
Ethylbenzene	ND	0.24		mg/Kg	5	2/24/2022 8:48:00 PM	65760		
Xylenes, Total	ND	0.49		mg/Kg	5	2/24/2022 8:48:00 PM	65760		
Surr: 4-Bromofluorobenzene	86.5	70-130		%Rec	5	2/24/2022 8:48:00 PM	65760		

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

Qualifiers:

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

Page 5 of 25

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202A39

Date Reported: 3/8/2022

CLIENT: GHD Midland	Client Sample ID: TP2-10								
Project: Robinson B Federal 1	Collection Date: 2/17/2022 10:55:00 AM								
Lab ID: 2202A39-006	Matrix: SOIL		Received Dat	e: 2/2	23/2022 7:45:00 AM				
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analyst	: ЈМТ			
Chloride	1100	60	mg/Kg	20	3/1/2022 4:07:04 PM	65853			
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: SB			
Diesel Range Organics (DRO)	170	49	mg/Kg	5	3/1/2022 9:18:25 PM	65766			
Motor Oil Range Organics (MRO)	320	240	mg/Kg	5	3/1/2022 9:18:25 PM	65766			
Surr: DNOP	79.8	51.1-141	%Rec	5	3/1/2022 9:18:25 PM	65766			
EPA METHOD 8015D: GASOLINE RANG	E				Analyst	RAA			
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/24/2022 9:08:00 PM	65760			
Surr: BFB	98.2	70-130	%Rec	1	2/24/2022 9:08:00 PM	65760			
EPA METHOD 8021B: VOLATILES					Analyst	RAA			
Benzene	ND	0.024	mg/Kg	1	2/24/2022 9:08:00 PM	65760			
Toluene	ND	0.049	mg/Kg	1	2/24/2022 9:08:00 PM	65760			
Ethylbenzene	ND	0.049	mg/Kg	1	2/24/2022 9:08:00 PM	65760			
Xylenes, Total	ND	0.098	mg/Kg	1	2/24/2022 9:08:00 PM	65760			
Surr: 4-Bromofluorobenzene	86.9	70-130	%Rec	1	2/24/2022 9:08:00 PM	65760			

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

Qualifiers:

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

Page 6 of 25

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202A39

Date Reported: 3/8/2022

CLIENT: GHD Midland	Client Sample ID: TP3-S								
Project: Robinson B Federal 1	Collection Date: 2/17/2022 12:30:00 PM								
Lab ID: 2202A39-007	Matrix: SOIL	23/2022 7:45:00 AM							
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS						Analys	t: JMT		
Chloride	ND	60		mg/Kg	20	3/1/2022 4:19:29 PM	65853		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analys	t: SB		
Diesel Range Organics (DRO)	2200	440		mg/Kg	50	3/1/2022 9:50:26 PM	65777		
Motor Oil Range Organics (MRO)	4100	2200		mg/Kg	50	3/1/2022 9:50:26 PM	65777		
Surr: DNOP	0	51.1-141	S	%Rec	50	3/1/2022 9:50:26 PM	65777		
EPA METHOD 8015D: GASOLINE RANGE	E					Analys	t: RAA		
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/24/2022 9:28:00 PM	65760		
Surr: BFB	104	70-130		%Rec	1	2/24/2022 9:28:00 PM	65760		
EPA METHOD 8021B: VOLATILES						Analys	t: RAA		
Benzene	ND	0.024		mg/Kg	1	2/24/2022 9:28:00 PM	65760		
Toluene	ND	0.048		mg/Kg	1	2/24/2022 9:28:00 PM	65760		
Ethylbenzene	ND	0.048		mg/Kg	1	2/24/2022 9:28:00 PM	65760		
Xylenes, Total	ND	0.097		mg/Kg	1	2/24/2022 9:28:00 PM	65760		
Surr: 4-Bromofluorobenzene	86.0	70-130		%Rec	1	2/24/2022 9:28:00 PM	65760		

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

Qualifiers:

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

Page 7 of 25

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202A39

Date Reported: 3/8/2022

CLIENT: GHD Midland		Cl	ient Sa	ample II	D: TP	3-2	
Project: Robinson B Federal 1	Collection Date: 2/17/2022 12:35:00 PM Matrix: SOIL Received Date: 2/23/2022 7:45:00 AM						
Lab ID: 2202A39-008							
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: JMT
Chloride	ND	60		mg/Kg	20	3/1/2022 4:31:54 PM	65853
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	SB
Diesel Range Organics (DRO)	1500	190		mg/Kg	20	3/2/2022 12:22:49 PM	65777
Motor Oil Range Organics (MRO)	2300	940		mg/Kg	20	3/2/2022 12:22:49 PM	65777
Surr: DNOP	0	51.1-141	S	%Rec	20	3/2/2022 12:22:49 PM	65777
EPA METHOD 8015D: GASOLINE RANG	E					Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/24/2022 9:47:00 PM	65760
Surr: BFB	100	70-130		%Rec	1	2/24/2022 9:47:00 PM	65760
EPA METHOD 8021B: VOLATILES						Analyst	RAA
Benzene	ND	0.025		mg/Kg	1	2/24/2022 9:47:00 PM	65760
Toluene	ND	0.049		mg/Kg	1	2/24/2022 9:47:00 PM	65760
Ethylbenzene	ND	0.049		mg/Kg	1	2/24/2022 9:47:00 PM	65760
Xylenes, Total	ND	0.099		mg/Kg	1	2/24/2022 9:47:00 PM	65760
Surr: 4-Bromofluorobenzene	88.7	70-130		%Rec	1	2/24/2022 9:47:00 PM	65760

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

Qualifiers:

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

Page 8 of 25

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202A39

Date Reported: 3/8/2022

CLIENT: GHD Midland Project: Robinson B Federal 1	Client Sample ID: TP3-4 Collection Date: 2/17/2022 12:40:00 F							
Project:Robinson B Federal 1Lab ID:2202A39-009	Matrix: SOIL	23/2022 7:45:00 AM						
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS						Analyst	: ЈМТ	
Chloride	ND	60		mg/Kg	20	3/1/2022 4:44:19 PM	65853	
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS					Analyst	SB	
Diesel Range Organics (DRO)	2000	480		mg/Kg	50	3/1/2022 10:43:35 PM	65777	
Motor Oil Range Organics (MRO)	4100	2400		mg/Kg	50	3/1/2022 10:43:35 PM	65777	
Surr: DNOP	0	51.1-141	S	%Rec	50	3/1/2022 10:43:35 PM	65777	
EPA METHOD 8015D: GASOLINE RAN	GE					Analyst	RAA	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/24/2022 10:07:00 PM	65760	
Surr: BFB	103	70-130		%Rec	1	2/24/2022 10:07:00 PM	65760	
EPA METHOD 8021B: VOLATILES						Analyst	RAA	
Benzene	ND	0.025		mg/Kg	1	2/24/2022 10:07:00 PM	65760	
Toluene	ND	0.049		mg/Kg	1	2/24/2022 10:07:00 PM	65760	
Ethylbenzene	ND	0.049		mg/Kg	1	2/24/2022 10:07:00 PM	65760	
Xylenes, Total	ND	0.099		mg/Kg	1	2/24/2022 10:07:00 PM	65760	
Surr: 4-Bromofluorobenzene	87.8	70-130		%Rec	1	2/24/2022 10:07:00 PM	65760	

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

Qualifiers:

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

Page 9 of 25

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202A39

Date Reported: 3/8/2022

CLIENT: GHD Midland	Client Sample ID: TP4-4							
Project: Robinson B Federal 1	Collection Date: 2/17/2022 1:20:00 PM							
Lab ID: 2202A39-010	Matrix: SOIL Received Date: 2/23/2022 7:45:00 AM							
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS						Analyst	: JMT	
Chloride	ND	60		mg/Kg	20	3/1/2022 4:56:43 PM	65853	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	SB	
Diesel Range Organics (DRO)	4800	480		mg/Kg	50	2/26/2022 3:30:52 AM	65777	
Motor Oil Range Organics (MRO)	5100	2400		mg/Kg	50	2/26/2022 3:30:52 AM	65777	
Surr: DNOP	0	51.1-141	S	%Rec	50	2/26/2022 3:30:52 AM	65777	
EPA METHOD 8015D: GASOLINE RANGI	E					Analyst	RAA	
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	2/24/2022 10:27:00 PM	65760	
Surr: BFB	102	70-130		%Rec	5	2/24/2022 10:27:00 PM	65760	
EPA METHOD 8021B: VOLATILES						Analyst	RAA	
Benzene	ND	0.12		mg/Kg	5	2/24/2022 10:27:00 PM	65760	
Toluene	ND	0.24		mg/Kg	5	2/24/2022 10:27:00 PM	65760	
Ethylbenzene	ND	0.24		mg/Kg	5	2/24/2022 10:27:00 PM	65760	
Xylenes, Total	ND	0.48		mg/Kg	5	2/24/2022 10:27:00 PM	65760	
Surr: 4-Bromofluorobenzene	90.0	70-130		%Rec	5	2/24/2022 10:27:00 PM	65760	

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

Qualifiers:

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

Page 10 of 25

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202A39

Date Reported: 3/8/2022

		CI	• • • •	1 1		1.10			
CLIENT: GHD Midland	Client Sample ID: TP4-12 Collection Date: 2/17/2022 1:25:00 PM								
Project: Robinson B Federal 1									
Lab ID: 2202A39-011	Matrix: SOIL	Matrix: SOIL Received Date: 2/23/2022 7:4							
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS						Analyst	: JMT		
Chloride	230	59		mg/Kg	20	3/1/2022 5:09:07 PM	65853		
EPA METHOD 8015M/D: DIESEL RANGE	E ORGANICS					Analyst	SB		
Diesel Range Organics (DRO)	2100	470		mg/Kg	50	3/1/2022 11:04:48 PM	65777		
Motor Oil Range Organics (MRO)	3400	2300		mg/Kg	50	3/1/2022 11:04:48 PM	65777		
Surr: DNOP	0	51.1-141	S	%Rec	50	3/1/2022 11:04:48 PM	65777		
EPA METHOD 8015D: GASOLINE RANG	E					Analyst	RAA		
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/24/2022 10:46:00 PM	65760		
Surr: BFB	103	70-130		%Rec	1	2/24/2022 10:46:00 PM	65760		
EPA METHOD 8021B: VOLATILES						Analyst	RAA		
Benzene	ND	0.024		mg/Kg	1	2/24/2022 10:46:00 PM	65760		
Toluene	ND	0.048		mg/Kg	1	2/24/2022 10:46:00 PM	65760		
Ethylbenzene	ND	0.048		mg/Kg	1	2/24/2022 10:46:00 PM	65760		
Xylenes, Total	ND	0.097		mg/Kg	1	2/24/2022 10:46:00 PM	65760		
Surr: 4-Bromofluorobenzene	86.0	70-130		%Rec	1	2/24/2022 10:46:00 PM	65760		

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

Qualifiers:

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

Page 11 of 25

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202A39

Date Reported: 3/8/2022

CLIENT: GHD Midland			ient Sample II			
Project: Robinson B Federal 1		(Collection Date	e: 2/1	17/2022 1:30:00 PM	
Lab ID: 2202A39-012	Matrix: SOIL Received Date: 2/23/2022 7:45:00 AM					
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	ЈМТ
Chloride	86	60	mg/Kg	20	3/1/2022 5:21:32 PM	65853
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst:	SB
Diesel Range Organics (DRO)	9.2	7.7	mg/Kg	1	2/28/2022 6:05:11 PM	65777
Motor Oil Range Organics (MRO)	48	39	mg/Kg	1	2/28/2022 6:05:11 PM	65777
Surr: DNOP	117	51.1-141	%Rec	1	2/28/2022 6:05:11 PM	65777
EPA METHOD 8015D: GASOLINE RANGE					Analyst:	RAA
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	2/24/2022 11:06:00 PM	65760
Surr: BFB	109	70-130	%Rec	1	2/24/2022 11:06:00 PM	65760
EPA METHOD 8021B: VOLATILES					Analyst:	RAA
Benzene	ND	0.024	mg/Kg	1	2/24/2022 11:06:00 PM	65760
Toluene	ND	0.047	mg/Kg	1	2/24/2022 11:06:00 PM	65760
Ethylbenzene	ND	0.047	mg/Kg	1	2/24/2022 11:06:00 PM	65760
Xylenes, Total	ND	0.095	mg/Kg	1	2/24/2022 11:06:00 PM	65760
Surr: 4-Bromofluorobenzene	89.8	70-130	%Rec	1	2/24/2022 11:06:00 PM	65760

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

Qualifiers:

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

Page 12 of 25

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202A39

Date Reported: 3/8/2022

CLIENT: GHD Midland		Cl	ient Sa	ample II	D: TF	25-S	
Project: Robinson B Federal 1	Collection Date: 2/17/2022 2:00:00 PM					17/2022 2:00:00 PM	
Lab ID: 2202A39-013	Matrix: SOIL		Recei	ved Dat	e: 2/2	23/2022 7:45:00 AM	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	ЈМТ
Chloride	170	60		mg/Kg	20	3/1/2022 7:54:17 PM	65877
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	SB
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	2/26/2022 4:12:25 AM	65777
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	2/26/2022 4:12:25 AM	65777
Surr: DNOP	151	51.1-141	S	%Rec	1	2/26/2022 4:12:25 AM	65777
EPA METHOD 8015D: GASOLINE RANG	E					Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/24/2022 11:25:00 PM	65760
Surr: BFB	102	70-130		%Rec	1	2/24/2022 11:25:00 PM	65760
EPA METHOD 8021B: VOLATILES						Analyst	RAA
Benzene	ND	0.024		mg/Kg	1	2/24/2022 11:25:00 PM	65760
Toluene	ND	0.048		mg/Kg	1	2/24/2022 11:25:00 PM	65760
Ethylbenzene	ND	0.048		mg/Kg	1	2/24/2022 11:25:00 PM	65760
Xylenes, Total	ND	0.096		mg/Kg	1	2/24/2022 11:25:00 PM	65760
Surr: 4-Bromofluorobenzene	87.9	70-130		%Rec	1	2/24/2022 11:25:00 PM	65760

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

Qualifiers:

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

Page 13 of 25

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202A39

Date Reported: 3/8/2022

CLIENT: GHD Midland		Cl	ient Sample II	D: TP	25-2	
Project: Robinson B Federal 1			Collection Dat	e: 2/1	7/2022 2:05:00 PM	
Lab ID: 2202A39-014	Matrix: SOIL Received Date: 2/23/2022 7:45:00 AM					
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	t: JMT
Chloride	320	60	mg/Kg	20	3/1/2022 8:06:41 PM	65877
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	t: SB
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	2/28/2022 6:35:12 PM	65777
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/28/2022 6:35:12 PM	65777
Surr: DNOP	89.7	51.1-141	%Rec	1	2/28/2022 6:35:12 PM	65777
EPA METHOD 8015D: GASOLINE RANGE	1				Analyst	t: NSB
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	2/24/2022 9:07:12 PM	65765
Surr: BFB	107	70-130	%Rec	1	2/24/2022 9:07:12 PM	65765
EPA METHOD 8021B: VOLATILES					Analyst	t: NSB
Benzene	ND	0.023	mg/Kg	1	2/24/2022 9:07:12 PM	65765
Toluene	ND	0.046	mg/Kg	1	2/24/2022 9:07:12 PM	65765
Ethylbenzene	ND	0.046	mg/Kg	1	2/24/2022 9:07:12 PM	65765
Xylenes, Total	ND	0.092	mg/Kg	1	2/24/2022 9:07:12 PM	65765
Surr: 4-Bromofluorobenzene	102	70-130	%Rec	1	2/24/2022 9:07:12 PM	65765

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

Qualifiers:

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

Page 14 of 25

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202A39

Date Reported: 3/8/2022

CLIENT: GHD Midland Project: Robinson B Federal 1	Client Sample ID: TP5-4 Collection Date: 2/17/2022 2:10:00 PM						
Lab ID: 2202A39-015	Matrix: SOIL		Recei	ved Dat	e: 2/2	23/2022 7:45:00 AM	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: JMT
Chloride	ND	60		mg/Kg	20	3/1/2022 8:19:05 PM	65877
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS					Analyst	SB
Diesel Range Organics (DRO)	610	85		mg/Kg	10	2/26/2022 4:33:16 AM	65777
Motor Oil Range Organics (MRO)	1100	420		mg/Kg	10	2/26/2022 4:33:16 AM	65777
Surr: DNOP	0	51.1-141	S	%Rec	10	2/26/2022 4:33:16 AM	65777
EPA METHOD 8015D: GASOLINE RANG	GE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/24/2022 10:17:19 PM	65765
Surr: BFB	107	70-130		%Rec	1	2/24/2022 10:17:19 PM	65765
EPA METHOD 8021B: VOLATILES						Analyst	: NSB
Benzene	ND	0.024		mg/Kg	1	2/24/2022 10:17:19 PM	65765
Toluene	ND	0.047		mg/Kg	1	2/24/2022 10:17:19 PM	65765
Ethylbenzene	ND	0.047		mg/Kg	1	2/24/2022 10:17:19 PM	65765
Xylenes, Total	ND	0.094		mg/Kg	1	2/24/2022 10:17:19 PM	65765
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	2/24/2022 10:17:19 PM	65765

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

Qualifiers:

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

Page 15 of 25

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202A39

Date Reported: 3/8/2022

CLIENT: GHD Midland		Cl	lient Sa	ample II	D: TP	2 5-6	
Project: Robinson B Federal 1		(Collect	tion Dat	e: 2/1	7/2022 2:15:00 PM	
Lab ID: 2202A39-016	Matrix: SOIL Received Date: 2/23/2022 7:45:00 At					23/2022 7:45:00 AM	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: JMT
Chloride	ND	60		mg/Kg	20	3/1/2022 8:31:29 PM	65877
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	SB
Diesel Range Organics (DRO)	140	94		mg/Kg	10	2/28/2022 7:04:55 PM	65777
Motor Oil Range Organics (MRO)	530	470		mg/Kg	10	2/28/2022 7:04:55 PM	65777
Surr: DNOP	0	51.1-141	S	%Rec	10	2/28/2022 7:04:55 PM	65777
EPA METHOD 8015D: GASOLINE RANGE	E					Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/24/2022 11:27:39 PM	65765
Surr: BFB	102	70-130		%Rec	1	2/24/2022 11:27:39 PM	65765
EPA METHOD 8021B: VOLATILES						Analyst	NSB
Benzene	ND	0.024		mg/Kg	1	2/24/2022 11:27:39 PM	65765
Toluene	ND	0.049		mg/Kg	1	2/24/2022 11:27:39 PM	65765
Ethylbenzene	ND	0.049		mg/Kg	1	2/24/2022 11:27:39 PM	65765
Xylenes, Total	ND	0.098		mg/Kg	1	2/24/2022 11:27:39 PM	65765
Surr: 4-Bromofluorobenzene	96.6	70-130		%Rec	1	2/24/2022 11:27:39 PM	65765

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

Qualifiers:

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

Page 16 of 25

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202A39

Date Reported: 3/8/2022

CLIENT: GHD Midland	Client Sample ID: TP6-2					
Project: Robinson B Federal 1			Collection Dat	e: 2/1	7/2022 2:50:00 PM	
Lab ID: 2202A39-017	Matrix: SOIL Received Date: 2/23/2022 7:45:00 AM					
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	ND	60	mg/Kg	20	3/1/2022 8:43:54 PM	65877
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	2/26/2022 5:04:33 AM	65777
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	2/26/2022 5:04:33 AM	65777
Surr: DNOP	109	51.1-141	%Rec	1	2/26/2022 5:04:33 AM	65777
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/24/2022 11:50:59 PM	65765
Surr: BFB	105	70-130	%Rec	1	2/24/2022 11:50:59 PM	65765
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	2/24/2022 11:50:59 PM	65765
Toluene	ND	0.049	mg/Kg	1	2/24/2022 11:50:59 PM	65765
Ethylbenzene	ND	0.049	mg/Kg	1	2/24/2022 11:50:59 PM	65765
Xylenes, Total	ND	0.098	mg/Kg	1	2/24/2022 11:50:59 PM	65765
Surr: 4-Bromofluorobenzene	100	70-130	%Rec	1	2/24/2022 11:50:59 PM	65765

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

Qualifiers:

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

Page 17 of 25

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202A39

Date Reported: 3/8/2022

CLIENT: GHD Midland	Client Sample ID: TP6-4					
Project: Robinson B Federal 1			Collection Dat	e: 2/1	7/2022 2:55:00 PM	
Lab ID: 2202A39-018	Matrix: SOIL Received Date: 2/23/2022 7:45:00 AM					
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	t: JMT
Chloride	350	60	mg/Kg	20	3/1/2022 8:56:18 PM	65877
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	t: SB
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	2/26/2022 5:15:03 AM	65777
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/26/2022 5:15:03 AM	65777
Surr: DNOP	108	51.1-141	%Rec	1	2/26/2022 5:15:03 AM	65777
EPA METHOD 8015D: GASOLINE RANGE					Analyst	t: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/25/2022 12:14:35 AN	1 65765
Surr: BFB	101	70-130	%Rec	1	2/25/2022 12:14:35 AN	1 65765
EPA METHOD 8021B: VOLATILES					Analyst	t: NSB
Benzene	ND	0.025	mg/Kg	1	2/25/2022 12:14:35 AN	1 65765
Toluene	ND	0.050	mg/Kg	1	2/25/2022 12:14:35 AN	1 65765
Ethylbenzene	ND	0.050	mg/Kg	1	2/25/2022 12:14:35 AN	1 65765
Xylenes, Total	ND	0.10	mg/Kg	1	2/25/2022 12:14:35 AN	1 65765
Surr: 4-Bromofluorobenzene	96.8	70-130	%Rec	1	2/25/2022 12:14:35 AN	1 65765

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- В Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range RL Reporting Limit
- Page 18 of 25

	Hall Environmental	Analysis	Laboratory,	Inc.
--	--------------------	----------	-------------	------

Lab Order 2202A39

Date Reported: 3/8/2022

CLIENT: GHD Midland	Client Sample ID: TP6-6					
Project: Robinson B Federal 1		(Collection Dat	e: 2/2	17/2022 3:00:00 PM	
Lab ID: 2202A39-019	Matrix: SOIL Received Date: 2/23/2022 7:45:00 AN					
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	460	61	mg/Kg	20	3/1/2022 9:08:43 PM	65877
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	2/26/2022 5:25:32 AM	65777
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	2/26/2022 5:25:32 AM	65777
Surr: DNOP	117	51.1-141	%Rec	1	2/26/2022 5:25:32 AM	65777
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/25/2022 12:37:51 AM	65765
Surr: BFB	105	70-130	%Rec	1	2/25/2022 12:37:51 AM	65765
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.024	mg/Kg	1	2/25/2022 12:37:51 AM	65765
Toluene	ND	0.049	mg/Kg	1	2/25/2022 12:37:51 AM	65765
Ethylbenzene	ND	0.049	mg/Kg	1	2/25/2022 12:37:51 AM	65765
Xylenes, Total	ND	0.098	mg/Kg	1	2/25/2022 12:37:51 AM	65765
Surr: 4-Bromofluorobenzene	99.7	70-130	%Rec	1	2/25/2022 12:37:51 AM	65765

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

Qualifiers:

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

Page 19 of 25

202A39

08-Mar-22

	Midland son B Federal 1			
Sample ID: MB-65877	SampType: mblk	TestCode: EPA Method	300.0: Anions	
Client ID: PBS	Batch ID: 65877	RunNo: 86175		
Prep Date: 3/1/2022	Analysis Date: 3/1/2022	SeqNo: 3037341	Units: mg/Kg	
Analyte		SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	ND 1.5			
Sample ID: LCS-65877	SampType: Ics	TestCode: EPA Method	300.0: Anions	
Client ID: LCSS	Batch ID: 65877	RunNo: 86175		
Prep Date: 3/1/2022	Analysis Date: 3/1/2022	SeqNo: 3037343	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	14 1.5 15.00	0 94.0 90	110	
Sample ID: MB-65853	SampType: mblk	TestCode: EPA Method	300.0: Anions	
Client ID: PBS	Batch ID: 65853	RunNo: 86158		
Prep Date: 3/1/2022	Analysis Date: 3/1/2022	SeqNo: 3037748	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	ND 1.5			
Sample ID: LCS-65853	SampType: Ics	TestCode: EPA Method	300.0: Anions	
Client ID: LCSS	Batch ID: 65853	RunNo: 86158		
Prep Date: 3/1/2022	Analysis Date: 3/1/2022	SeqNo: 3037749	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	14 1.5 15.00	0 90.8 90	110	
Sample ID: MB-65877	SampType: mblk	TestCode: EPA Method	300.0: Anions	
Client ID: PBS	Batch ID: 65877	RunNo: 86214		
Prep Date: 3/1/2022	Analysis Date: 3/2/2022	SeqNo: 3038866	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	ND 1.5			
Sample ID: LCS-65877	SampType: Ics	TestCode: EPA Method	300.0: Anions	
Client ID: LCSS	Batch ID: 65877	RunNo: 86214		
Prep Date: 3/1/2022	Analysis Date: 3/2/2022	SeqNo: 3038867	Units: mg/Kg	
Analyte		SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	14 1.5 15.00	0 92.2 90	110	

Qualifiers:

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

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 20 of 25

Page	46 oj	f 182
------	-------	-------

08-Mar-22

	Midland son B Federal 1									
Sample ID: LCS-65766	SampType	e: LCS	6	Tes	Code: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: LCSS	Batch ID	: 657	66	F	unNo: 8	6063				
Prep Date: 2/23/2022	Analysis Date	: 2/2	4/2022	S	eqNo: 3	033009	Units: mg/K	(g		
Analyte	Result P	QL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	96.0	68.9	135			
Surr: DNOP	4.3		5.000		85.4	51.1	141			
Sample ID: MB-65766	SampType	: MB	LK	Tes	Code: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: PBS	Batch ID	: 657	66	R	unNo: 8	6063				
Prep Date: 2/23/2022	Analysis Date	: 2/2	4/2022	S	eqNo: 3	033013	Units: mg/K	íg		
Analyte	Result P	QL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.6		10.00		95.5	51.1	141			
Sample ID: LCS-65777	SampType	E: LCS	5	Tes	Code: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batch ID	: 657	77	F	unNo: 8	6122				
Prep Date: 2/24/2022	Analysis Date	: 2/2	25/2022	S	eqNo: 3	034562	Units: mg/K	íg		
Analyte	Result P	QL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	92.6	68.9	135			
Surr: DNOP	4.2		5.000		84.1	51.1	141			
Sample ID: MB-65777	SampType	: MB	LK	Tes	Code: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: PBS	Batch ID	: 657	77	R	unNo: 8	6122				
Prep Date: 2/24/2022	Analysis Date	: 2/2	25/2022	S	eqNo: 3	034564	Units: mg/K	ſg		
Analyte	Result P		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	9.9		10.00		98.9	51.1	141			

Qualifiers:

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

WO#: 2202A39

08-Mar-22

Client: GHD Mi	dland									
Project: Robinsor	n B Federal 1									
Sample ID: mb-65765	SampType: MBLI	(Tes	tCode: FF	PA Method	8015D: Gaso	line Rang	9		
Client ID: PBS	Batch ID: 65765			unNo: 86				-		
Prep Date: 2/23/2022	Analysis Date: 2/24/			eqNo: 30		Units: mg/K	a			
Analyte	Result PQL S	PK value	SPK Ref Val	%RFC	l owl imit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	ND 5.0			/01120	LOWLINK	- iigii2iinit			Quui	
Surr: BFB	1100	1000		108	70	130				
Sample ID: Ics-65765	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 6576	5	R	lunNo: 86	6074					
Prep Date: 2/23/2022	Analysis Date: 2/24/	2022	S	eqNo: 30	032805	Units: mg/K	g			
Analyte	Result PQL S	PK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	26 5.0	25.00	0	103	78.6	131				
Surr: BFB	1200	1000		119	70	130				
Sample ID: 2202a39-014ams	SampType: MS		Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e		
Client ID: TP5-2	Batch ID: 65765	5	F	lunNo: 86	6074					
Prep Date: 2/23/2022	Analysis Date: 2/24/	2022	S	eqNo: 30	032807	Units: mg/K	g			
Analyte			SPK Ref Val		LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	26 4.8	24.25	0	109	70	130				
Surr: BFB	1200	969.9		119	70	130				
Sample ID: 2202a39-014amsc	SampType: MSD		Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e		
Client ID: TP5-2	Batch ID: 65765	5	R	lunNo: 86	6074					
Prep Date: 2/23/2022	Analysis Date: 2/24/	2022	S	eqNo: 30	032808	Units: mg/K	g			
Analyte			SPK Ref Val		LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO) Surr: BFB	26 4.9 1200	24.41 976.6	0	108 118	70 70	130 130	0.128 0	20 0		
	1200	370.0		110	70	150	0	0		
Sample ID: Ics-65760	SampType: LCS					8015D: Gaso	line Rang	e		
Client ID: LCSS	Batch ID: 65760			lunNo: 86						
Prep Date: 2/23/2022	Analysis Date: 2/24/	2022	S	SeqNo: 30)33478	Units: mg/K	g			
Analyte			SPK Ref Val		LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO) Surr: BFB	29 5.0 1300	25.00 1000	0	116 125	78.6 70	131 130				
Sample ID: mb-65760	SampType: MBL					8015D: Gaso	line Rang	e		
Client ID: PBS	Batch ID: 65760			RunNo: 86		I Inito:	'n			
Prep Date: 2/23/2022	Analysis Date: 2/24/			SeqNo: 30		Units: mg/K	•			
Analyte	Result PQL S	PK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 22 of 25

	GHD Midland Robinson B Federal 1								
Sample ID: mb-6576	0 SampTyp	e: MBLK	Te	stCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID: PBS	Batch II	D: 65760		RunNo: 8	6093				
Prep Date: 2/23/20	22 Analysis Date	e: 2/24/2022		SeqNo: 30	033479	Units: mg/K	g		
Analyte	Result	PQL SPK val	ue SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	GRO) ND	5.0							
Surr: BFB	1100	10	00	107	70	130			

Qualifiers:

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

2202A39

08-Mar-22

WO#:

08-Mar-22

Client: GHD Mid Project: Robinson		11								
Sample ID: mb-65765	Samp	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: PBS	Batc	h ID: 65	765	RunNo: 86074						
Prep Date: 2/23/2022	Analysis [Date: 2/ 2	24/2022	5	SeqNo: 3	032858	Units: mg/k	ζg		
Analyte	Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	- %RPD	RPDLimit	Qual
Benzene	ND	0.025					5			
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		102	70	130			
Sample ID: LCS-65765	Samp	Гуре: LC	S	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Batc	h ID: 657	765	F	RunNo: 8	6074				
Prep Date: 2/23/2022	Analysis [Date: 2/ 2	24/2022	S	SeqNo: 3	032859	Units: mg/k	٤g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.85	0.025	1.000	0	85.3	80	120			
Toluene	0.90	0.050	1.000	0	90.5	80	120			
Ethylbenzene	0.92	0.050	1.000	0	91.6	80	120			
Xylenes, Total	2.8	0.10	3.000	0	91.7	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		103	70	130			
Sample ID: 2202a39-015ams	Samp	Гуре: МS	6	TestCode: EPA Method 8021B: Volatiles						
Client ID: TP5-4	Batc	h ID: 657	765	RunNo: 86074						
Prep Date: 2/23/2022	Analysis [Date: 2/	24/2022	S	SeqNo: 3	032862	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.024	0.9597	0	94.2	80	120			
Toluene	0.97	0.048	0.9597	0	101	80	120			
Ethylbenzene	0.99	0.048	0.9597	0.01129	102	80	120			
Xylenes, Total	3.0	0.096	2.879	0	103	80	120			
Surr: 4-Bromofluorobenzene	0.97		0.9597		101	70	130			
Sample ID: 2202a39-015amsd	Samp	Гуре: МS	SD	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: TP5-4	Batc	h ID: 657	765	F	RunNo: 8	6074				
Prep Date: 2/23/2022	Analysis [Date: 2/	24/2022	S	SeqNo: 3032863 Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.83	0.024	0.9643	0	86.1	80	120	8.45	20	
Toluene	0.88	0.048	0.9643	0	91.4	80	120	9.09	20	
Ethylbenzene	0.90	0.048	0.9643	0.01129	92.0	80	120	9.84	20	
Xylenes, Total	2.7	0.096	2.893	0	93.4	80	120	8.96	20	
Surr: 4-Bromofluorobenzene	0.97		0.9643		101	70	130	0	0	

Qualifiers:

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

RL Reporting Limit

WO#: 2202A39

08-Mar-22

Client: GHD M	Midland											
Project: Robins	son B Federa	11										
Sample ID: Ics-65760	Samp	Гуре: LC	De: LCS TestCode: EPA Method 8021B: Volatiles									
Client ID: LCSS	Batc	Batch ID: 65760			RunNo: 86093							
Prep Date: 2/23/2022	Analysis [Date: 2/	24/2022	S	eqNo: 3	033667	Units: mg/k	٢g				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	0.97	0.025	1.000	0	97.0	80	120					
Toluene	0.99	0.050	1.000	0	98.8	80	120					
Ethylbenzene	1.0	0.050	1.000	0	99.7	80	120					
Xylenes, Total	3.0	0.10	3.000	0	99.4	80	120					
Surr: 4-Bromofluorobenzene	0.96		1.000		95.8	70	130					
Sample ID: mb-65760	D: mb-65760 SampType: MBLK TestCode: EPA Method 8021B: Volatiles											
Client ID: PBS	Batc	h ID: 65	760	F	RunNo: 8	6093						
Prep Date: 2/23/2022	Analysis [Date: 2/	24/2022	S	eqNo: 3	033669	Units: mg/#	٢g				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	ND	0.025										
Toluene	ND	0.050										
Ethylbenzene	ND	0.050										
Xylenes, Total	ND	0.10										
Surr: 4-Bromofluorobenzene	0.92		1.000		92.2	70	130					

Qualifiers:

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

Page 25 of 25

Page	51	01	f 182

	HALL ENVIE ANAL	4/2022 4:5 RONMENTA YSIS RATORY		Hall Environ TEL: 505-34 Website: cli	49 Albuquer 5-3975 F.4X	01 Hawkins que, NM 83 505-345-4	s NE 7109 S	San	nple Log-In Checł	c List
Clie	ent Name:	GHD Midla	nd	Work Order Nu	umber: 220	2A39			RcptNo: 1	
Rec	ceived By:	Cheyenne	Cason	2/23/2022 7:45:0	00 AM		Chul	2		
Con	npleted By:	Sean Livi	ngston	2/23/2022 8:18:4	46 AM		Chent S	1	- 1	
Rev	viewed By	JC		2(23/22			2~	-0	2am	
Cha	ain of Cus	tody								
1. 1	s Chain of C	ustody comp	lete?		Yes		No		Not Present	
2. H	low was the	sample deliv	ered?		Cou	irier				
200 m m	<u>g In</u> Noo an attan		ool the sampl		445		45			
0. V	vas an allen	ipt made to c	ooi the sampi	es /	Yes	~	No		NA 🗌	
4. W	Vere all sam	oles received	at a temperat	ure of >0° C to 6.0°C	Yes		No			
5. s	Sample(s) in	proper contai	ner(s)?		Yes		No			
6. S	ufficient sam	ple volume f	or indicated te	st(s)?	Yes		No			
7. A	re samples (except VOA	and ONG) pro	perly preserved?	Yes		No			
8. W	√as preserva	tive added to	bottles?		Yes		No	~	NA 🗌	
9. R	eceived at le	ast 1 vial with	headspace •	1/4" for AQ VOA?	Yes		No		NA 🔽	
10. W	Vere any sar	nple containe	ers received br	oken?	Yes		No		(03	
									# of preserved bottles checked	/
		ork match bot	tle labels? iin of custody)		Yes	V	No		for pH: (<2 or >12 unl	one noted)
			tified on Chair	of Custody?	Yes		No [7	Adjusted?	ess noted)
			ere requested		Yes		- C		/	
		ng times able ustomer for a	to be met? uthorization.)		Yes		No [Checked by: KPU	2/23
		ing (if app								
15.V	Vas client no	tified of all di	screpancies w	ith this order?	Yes		No		NA 🗹	
	Person	Notified:		Da	ate:			-		
	By Who			Via	a: 🗌 eM	ail 🗌 Pl	hone 🗌	Fax	In Person	
	Regard	Sector Sector 1								
10		nstructions:								
10. A	Additional rei	marks:								
17. <u>c</u>	Cooler Infor		gammin	an a						
	Cooler No	Temp °C 1.0	Condition Good	Seal Intact Seal No	Seal D	ate	Signed B	^B y		
	2	2.3	Good							

Page 1 of 1

Client: GHD	GHD	5	CIIAIII-OI-CUSIOUY RECOID		7				HALL	Z	VIR	ENVIRONMENTAL
	5			内 Standard	Rush	Day	6	•	ANALYSIS	YSI	SL	LABORATORY
				Project Name:					www.hallenvironmental.com	lenviro	nmenta	l.com
Mailing	Mailing Address:	16		ROBINSON	R	Federal # 1	490	1 Hawki	4901 Hawkins NE -		nerque	Albuqueraue, NM 87109
2135 S.	Loop 2:	50 W. Mic	2135 S. Loop 250 W. Midland, TX 79703	Project #:			Tel.	505-34	Tel. 505-345-3975		6 505-3	505-345-4107
Phone #:	ŧ.	(432) 686-0086	6-0086	HLS21	+110				A	Analysis	s Request	est
email or Fax#:	r Fax#:	Becky.H	Becky.Haskell@ghd.com	Project Manager:	ger:		1.000			*O	_	
QA/QC Packa	QA/QC Package:		Level 4 (Full Validation)	Becky Haskell Tom Larson			ЯМ \ С	S B O	SMIS	PO₄, S		
A considitation:	totion.	0-0			Hooth David		ЯC	_	570	' ⁷		
D NEL	AC AC			On Ice:	X Yes	ON D	1/0			DN '	(A	
I EDD	C EDD (Type)	1.1		# of Coolers:	4	0-67 (m	ЯÐ)			-	_	M 0
				Cooler Temp(including CF):	6	3-0-63 Cmc	2D			-	_	30
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	ح الحاد HEAL No. 77 27 272	TEX /	9084 Pe	(d sHA 8 AADS	3560 (V	S) 0228	ebiroldC
1	935	S	_	-	NA		R	-				R
1	346	-	TP1-12		-	200	8					a
-	95S		TP1-19			600	8 8				~	2
	SHOI		t pz-z			P004	22					
	1050		8-244			500	Q Q				~	2
	1055	_	01-224			a00	a a					×
_	1230		TP3-5			too	8 8					×
	1235		2-544			LCO	8 8					×
	021	-	4-59+			906	r K					ĸ
	1320	_	+ - 44 - 4			010	xx					ĸ
	1325	-	21-44-12			110	XX					×
x	1330		TP4-16	R	r	2	XX					A
Date: 2/17/22	Time: 1730	Relinquished by:	hed by:	Received by:	Via:	Date Time 2/22/22 800	Rema T Hoo	om.Lar	Remarks: Please email: Chase Tom.Larson@ghd.com; Za Hooth Boyd@chd.com Alboo	il: Cha d.com;		emarks: Please email: Chase_Settle@eogresources.com; Tom.Larson@ghd.com; Zach.Comino@ghd.com; Hooth Boyd@abd.com Alona with Booky Hookell licked
Date:	Time:	Relinquished by:	hed by:	Received by:	Via: 1	Date Time	1.0.021.0	1.0	יחוהאו	ab	above.	
man	and	GA1		Cher	1 1 1	12212 A7US	2.3-022.3	6'2	Direct B	ill to E(DG Ch	Direct Bill to EOG Chase Settle

	Constrained py OCD: 8/4/2023 4:22:41 bW Month M 8270 (Semi-VOA) Month M 87109 M 87109 M 87109 M 87109
	Settle@eogresources.com; ach.Comino@ahd.com:
Image: Second Sol Period Sol (Second	Settle@eogresources.com
EDB (Method 504,1) EDB (Method 504,1) EDB (Method 504,1) EDB (Method 504,1)	
Solution Solut	
Image: Second Solution Image: Second Solution Image: Second Solution Image: Second Solution Image: Second Solution Image: Second Solution Image: Second Solution Image: Second Solution Image: Second Solution Image: Second Solution Image: Second Solution Image: Second Solution Image: Second Solution Image: Second Solution Image: Second Solution Image: Second Solution Image: Second Solution Image: Second Solution Image: Second Solution Image: Second Solution	
Image: Second Sole Image: Second	
EDB (Method 504,1) EDB (Method 50	
C 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2
C 2 2 2 4 C 2 2 2 4 C 2 2 2 4 C 2 2 2 4 C 2 2 2 4 C 2 2 2 4 C 2 2 2 4 C 2 2 2 4 C 2 2 2 2 4 C 2 2 2 2 4 C 2 2 2 2 4 C 2 2 2 2 4 C 2 2 2 2 4 C 2 2 2 4 C 2 2 2 4 C 2 2 2 4 C 2 2 2 4 C 2 2 2 4 C 2 2 2 4 C 2 2 2 4 C 2 2 2 4 C 2 2 2 4 C 2 2 2 4 C 2 2 2 4 C 2 2 2 4 C 2 2 2 4 C 2 2 2 4 C 2 2 2 4 C 2 2 4 C 2 2 4 C 2 2 4 C 2 2 4 C 2 2 4 C 2 2 4 C 2	2
「 「 「 「 「 「 「 「 「 「 「 「 「 「	2
イエビス み Method 504.1) として、 DB (Method 504.1) として、 DB (Method 504.1) として、 DB (Method 504.1) として、 DB (Method 504.1)	
EDB (Method 504,1)	l L
	2
ВТЕХ / МТВЕ / ТМВ's (8021) Д 8081 Pesticides/8082 PCB's 8081 Pesticides/8082 PCB's	9
М M M M M M M M M M M M M M M M M M M M	
604.1) 1 6 ss/8082 PCB's 5 5	1.1.1.1
V DKO / MKO) 460 Haw	
ьсв's PCB's PCB's PCB's PCB's PCB's	
B's B's B's	
4901 Haw Tel. 505-:	
NULL HALL ENVIRONMENTAL NULL ANALYSIS LABORATORY Nww.hallenvironmental.com www.hallenvironmental.com 1 4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107 Analysis Request	
NULL HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmental.com 1 4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107	Request
Part Environmental Part Environmental Part Environmental Analysis Number Image: Image of the state	505-345-4107
AND HALL ENVIRONMENTAL ANALYSIS LABORATORY	erque, NM 87109
PUUD ANALYSTS LAROPATORY	mental com
	IRONMENTAL



March 08, 2022

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

RE: Robinson B Federal 1

OrderNo.: 2202945

Hall Environmental Analysis Laboratory

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

Website: clients.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 16 sample(s) on 2/19/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202945

Date Reported: 3/8/2022

CLIENT: GHD Midland		Cl	ient Sa	ample II	D: TP	7-5	
Project: Robinson B Federal 1		(Collect	ion Dat	e: 2/1	8/2022 8:55:00 AM	
Lab ID: 2202945-001	Matrix: SOIL		Recei	ved Dat	e: 2/1	9/2022 8:20:00 AM	
Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: ЈМТ
Chloride	3200	150		mg/Kg	50	2/28/2022 3:40:35 PM	65834
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	: SB
Diesel Range Organics (DRO)	6700	480		mg/Kg	50	2/23/2022 2:34:42 PM	65707
Motor Oil Range Organics (MRO)	5600	2400		mg/Kg	50	2/23/2022 2:34:42 PM	65707
Surr: DNOP	0	51.1-141	S	%Rec	50	2/23/2022 2:34:42 PM	65707
EPA METHOD 8015D: GASOLINE RANGE	1					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	23		mg/Kg	5	2/24/2022 12:33:58 AM	65698
Surr: BFB	103	70-130		%Rec	5	2/24/2022 12:33:58 AM	65698
EPA METHOD 8021B: VOLATILES						Analyst	: NSB
Benzene	ND	0.12		mg/Kg	5	2/24/2022 12:33:58 AM	65698
Toluene	ND	0.23		mg/Kg	5	2/24/2022 12:33:58 AM	65698
Ethylbenzene	ND	0.23		mg/Kg	5	2/24/2022 12:33:58 AM	65698
Xylenes, Total	ND	0.46		mg/Kg	5	2/24/2022 12:33:58 AM	65698
Surr: 4-Bromofluorobenzene	93.2	70-130		%Rec	5	2/24/2022 12:33:58 AM	65698

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

Qualifiers:

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

Page 1 of 22

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202945

Date Reported: 3/8/2022

CLIENT: GHD Midland Project: Robinson B Federal 1 Lab ID: 2202945-002	Client Sample ID: TP7-2 Collection Date: 2/18/2022 9:00:00 AM Matrix: SOIL Received Date: 2/19/2022 8:20:00 AM					
Analyses	Result	PQL	Qual Units		Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	ЈМТ
Chloride	890	60	mg/Kg	20	2/28/2022 11:07:31 AM	65834
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	2/23/2022 2:56:06 PM	65707
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/23/2022 2:56:06 PM	65707
Surr: DNOP	96.0	51.1-141	%Rec	1	2/23/2022 2:56:06 PM	65707
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/24/2022 12:57:09 AM	65698
Surr: BFB	106	70-130	%Rec	1	2/24/2022 12:57:09 AM	65698
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.025	mg/Kg	1	2/24/2022 12:57:09 AM	65698
Toluene	ND	0.049	mg/Kg	1	2/24/2022 12:57:09 AM	65698
Ethylbenzene	ND	0.049	mg/Kg	1	2/24/2022 12:57:09 AM	65698
Xylenes, Total	ND	0.099	mg/Kg	1	2/24/2022 12:57:09 AM	65698
Surr: 4-Bromofluorobenzene	98.6	70-130	%Rec	1	2/24/2022 12:57:09 AM	65698

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

Qualifiers:

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

Page 2 of 22

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202945

Date Reported: 3/8/2022

CLIENT: GHD Midland	Client Sample ID: TP7-4						
Project: Robinson B Federal 1		(Collection Dat	e: 2/1	8/2022 9:05:00 AM		
Lab ID: 2202945-003	Matrix: SOIL Received Date: 2/19/2022 8:20:00 AM						
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	: JMT	
Chloride	640	60	mg/Kg	20	2/28/2022 11:19:56 AN	65834	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: SB	
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	2/23/2022 3:06:55 PM	65707	
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/23/2022 3:06:55 PM	65707	
Surr: DNOP	98.5	51.1-141	%Rec	1	2/23/2022 3:06:55 PM	65707	
EPA METHOD 8015D: GASOLINE RANG	E				Analyst	: NSB	
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/24/2022 1:20:16 AM	65698	
Surr: BFB	102	70-130	%Rec	1	2/24/2022 1:20:16 AM	65698	
EPA METHOD 8021B: VOLATILES					Analyst	: NSB	
Benzene	ND	0.025	mg/Kg	1	2/24/2022 1:20:16 AM	65698	
Toluene	ND	0.049	mg/Kg	1	2/24/2022 1:20:16 AM	65698	
Ethylbenzene	ND	0.049	mg/Kg	1	2/24/2022 1:20:16 AM	65698	
Xylenes, Total	ND	0.098	mg/Kg	1	2/24/2022 1:20:16 AM	65698	
Surr: 4-Bromofluorobenzene	96.6	70-130	%Rec	1	2/24/2022 1:20:16 AM	65698	

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

Qualifiers:

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

Page 3 of 22

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202945

Date Reported: 3/8/2022

CLIENT: GHD Midland		Cl	ient Sample II	D: TP	2 8-2	
Project: Robinson B Federal 1		(Collection Dat	e: 2/1	18/2022 9:15:00 AM	
Lab ID: 2202945-004	Matrix: SOIL Received Date: 2/19/2022 8:20:00 AN					
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	65	60	mg/Kg	20	2/28/2022 11:32:21 AN	65834
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	8.9	mg/Kg	1	2/23/2022 3:17:43 PM	65707
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	2/23/2022 3:17:43 PM	65707
Surr: DNOP	95.3	51.1-141	%Rec	1	2/23/2022 3:17:43 PM	65707
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/24/2022 1:43:21 AM	65698
Surr: BFB	106	70-130	%Rec	1	2/24/2022 1:43:21 AM	65698
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	2/24/2022 1:43:21 AM	65698
Toluene	ND	0.049	mg/Kg	1	2/24/2022 1:43:21 AM	65698
Ethylbenzene	ND	0.049	mg/Kg	1	2/24/2022 1:43:21 AM	65698
Xylenes, Total	ND	0.097	mg/Kg	1	2/24/2022 1:43:21 AM	65698
Surr: 4-Bromofluorobenzene	96.9	70-130	%Rec	1	2/24/2022 1:43:21 AM	65698

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

Qualifiers:

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

Page 4 of 22

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202945

Date Reported: 3/8/2022

CLIENT: GHD Midland		Cl	ient Sample II	D: TH	28-4	
Project: Robinson B Federal 1		(Collection Dat	e: 2/2	18/2022 9:20:00 AM	
Lab ID: 2202945-005	Matrix: SOIL		Received Dat	e: 2/	19/2022 8:20:00 AM	
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	63	60	mg/Kg	20	2/28/2022 11:44:45 AM	65834
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	2/23/2022 3:28:30 PM	65707
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/23/2022 3:28:30 PM	65707
Surr: DNOP	98.7	51.1-141	%Rec	1	2/23/2022 3:28:30 PM	65707
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/24/2022 2:06:24 AM	65698
Surr: BFB	103	70-130	%Rec	1	2/24/2022 2:06:24 AM	65698
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	2/24/2022 2:06:24 AM	65698
Toluene	ND	0.050	mg/Kg	1	2/24/2022 2:06:24 AM	65698
Ethylbenzene	ND	0.050	mg/Kg	1	2/24/2022 2:06:24 AM	65698
Xylenes, Total	ND	0.10	mg/Kg	1	2/24/2022 2:06:24 AM	65698
Surr: 4-Bromofluorobenzene	96.8	70-130	%Rec	1	2/24/2022 2:06:24 AM	65698

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

Qualifiers:

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

Page 5 of 22

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202945

Date Reported: 3/8/2022

CLIENT: GHD Midland		Cl	ient Sample I	D: TF	9-5			
Project: Robinson B Federal 1		(Collection Da	te: 2/1	8/2022 9:25:00 AM			
Lab ID: 2202945-006	Matrix: SOIL		Received Date: 2/19/2022 8:20:00 AM					
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analys	: JMT		
Chloride	2700	150	mg/Kg	50	2/28/2022 3:53:00 PM	65834		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	: SB		
Diesel Range Organics (DRO)	17	9.2	mg/Kg	1	3/1/2022 8:24:17 PM	65707		
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	3/1/2022 8:24:17 PM	65707		
Surr: DNOP	73.8	51.1-141	%Rec	1	3/1/2022 8:24:17 PM	65707		
EPA METHOD 8015D: GASOLINE RANGE					Analys	: NSB		
Gasoline Range Organics (GRO)	ND	24	mg/Kg	5	2/24/2022 2:29:28 AM	65698		
Surr: BFB	103	70-130	%Rec	5	2/24/2022 2:29:28 AM	65698		
EPA METHOD 8021B: VOLATILES					Analys	: NSB		
Benzene	ND	0.12	mg/Kg	5	2/24/2022 2:29:28 AM	65698		
Toluene	ND	0.24	mg/Kg	5	2/24/2022 2:29:28 AM	65698		
Ethylbenzene	ND	0.24	mg/Kg	5	2/24/2022 2:29:28 AM	65698		
Xylenes, Total	ND	0.47	mg/Kg	5	2/24/2022 2:29:28 AM	65698		
Surr: 4-Bromofluorobenzene	95.0	70-130	%Rec	5	2/24/2022 2:29:28 AM	65698		

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

Qualifiers:

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

Page 6 of 22

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202945

Date Reported: 3/8/2022

CLIENT: GHD Midland		Cl	ient Sample II	D: TP	9-2	
Project: Robinson B Federal 1		(Collection Dat	e: 2/1	8/2022 9:35:00 AM	
Lab ID: 2202945-007	Matrix: SOIL	9/2022 8:20:00 AM				
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: ЈМТ
Chloride	140	60	mg/Kg	20	2/28/2022 12:34:24 PM	65834
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	2/23/2022 3:50:17 PM	65707
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	2/23/2022 3:50:17 PM	65707
Surr: DNOP	100	51.1-141	%Rec	1	2/23/2022 3:50:17 PM	65707
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	2/24/2022 3:15:41 AM	65698
Surr: BFB	101	70-130	%Rec	1	2/24/2022 3:15:41 AM	65698
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.023	mg/Kg	1	2/24/2022 3:15:41 AM	65698
Toluene	ND	0.046	mg/Kg	1	2/24/2022 3:15:41 AM	65698
Ethylbenzene	ND	0.046	mg/Kg	1	2/24/2022 3:15:41 AM	65698
Xylenes, Total	ND	0.093	mg/Kg	1	2/24/2022 3:15:41 AM	65698
Surr: 4-Bromofluorobenzene	95.6	70-130	%Rec	1	2/24/2022 3:15:41 AM	65698

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

Qualifiers:

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

Page 7 of 22

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202945

Date Reported: 3/8/2022

CLIENT: GHD Midland	Client Sample ID: TP10-5						
Project: Robinson B Federal 1		(Collect	ion Dat	e: 2/1	8/2022 9:40:00 AM	
Lab ID: 2202945-008	Matrix: SOIL		Recei	ved Dat	e: 2/1	9/2022 8:20:00 AM	
Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: JMT
Chloride	ND	60		mg/Kg	20	2/28/2022 12:46:49 PM	65834
EPA METHOD 8015M/D: DIESEL RANG	SE ORGANICS					Analyst	: SB
Diesel Range Organics (DRO)	3500	460		mg/Kg	50	2/23/2022 4:01:15 PM	65707
Motor Oil Range Organics (MRO)	4600	2300		mg/Kg	50	2/23/2022 4:01:15 PM	65707
Surr: DNOP	0	51.1-141	S	%Rec	50	2/23/2022 4:01:15 PM	65707
EPA METHOD 8015D: GASOLINE RAN	GE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	25		mg/Kg	5	2/24/2022 3:38:46 AM	65698
Surr: BFB	102	70-130		%Rec	5	2/24/2022 3:38:46 AM	65698
EPA METHOD 8021B: VOLATILES						Analyst	II NSB
Benzene	ND	0.12		mg/Kg	5	2/24/2022 3:38:46 AM	65698
Toluene	ND	0.25		mg/Kg	5	2/24/2022 3:38:46 AM	65698
Ethylbenzene	ND	0.25		mg/Kg	5	2/24/2022 3:38:46 AM	65698
Xylenes, Total	ND	0.50		mg/Kg	5	2/24/2022 3:38:46 AM	65698
Surr: 4-Bromofluorobenzene	93.6	70-130		%Rec	5	2/24/2022 3:38:46 AM	65698

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

Qualifiers:

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

Page 8 of 22

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202945

Date Reported: 3/8/2022

CLIENT: GHD Midland		Cl	ient Sample II	D: TF	210-2		
Project: Robinson B Federal 1		(Collection Dat	e: 2/1	18/2022 9:55:00 AM		
Lab ID: 2202945-009	Matrix: SOIL		Received Date: 2/19/2022 8:20:00 AM				
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	: JMT	
Chloride	ND	60	mg/Kg	20	2/28/2022 12:59:14 PM	65834	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: SB	
Diesel Range Organics (DRO)	ND	8.9	mg/Kg	1	2/23/2022 4:12:09 PM	65707	
Motor Oil Range Organics (MRO)	ND	44	mg/Kg	1	2/23/2022 4:12:09 PM	65707	
Surr: DNOP	109	51.1-141	%Rec	1	2/23/2022 4:12:09 PM	65707	
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	: NSB	
Gasoline Range Organics (GRO)	ND	25	mg/Kg	5	2/24/2022 4:01:48 AM	65698	
Surr: BFB	103	70-130	%Rec	5	2/24/2022 4:01:48 AM	65698	
EPA METHOD 8021B: VOLATILES					Analyst	: NSB	
Benzene	ND	0.12	mg/Kg	5	2/24/2022 4:01:48 AM	65698	
Toluene	ND	0.25	mg/Kg	5	2/24/2022 4:01:48 AM	65698	
Ethylbenzene	ND	0.25	mg/Kg	5	2/24/2022 4:01:48 AM	65698	
Xylenes, Total	ND	0.49	mg/Kg	5	2/24/2022 4:01:48 AM	65698	
Surr: 4-Bromofluorobenzene	95.7	70-130	%Rec	5	2/24/2022 4:01:48 AM	65698	

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

Qualifiers:

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

Page 9 of 22

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202945

Date Reported: 3/8/2022

CLIENT: GHD Midland		C	lient Sa	ample II	D: TP	911-5	
Project: Robinson B Federal 1			Collect	tion Dat	e: 2/1	8/2022 10:00:00 AM	
Lab ID: 2202945-010	Matrix: SOIL	Matrix: SOIL Received Date: 2/19/2022 8:20:00 AM					
Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: JMT
Chloride	1500	60		mg/Kg	20	2/28/2022 1:11:38 PM	65834
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS					Analyst	: SB
Diesel Range Organics (DRO)	510	180		mg/Kg	20	2/28/2022 3:47:47 PM	65707
Motor Oil Range Organics (MRO)	1400	900		mg/Kg	20	2/28/2022 3:47:47 PM	65707
Surr: DNOP	0	51.1-141	S	%Rec	20	2/28/2022 3:47:47 PM	65707
EPA METHOD 8015D: GASOLINE RAN	IGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	25		mg/Kg	5	2/24/2022 4:24:50 AM	65698
Surr: BFB	102	70-130		%Rec	5	2/24/2022 4:24:50 AM	65698
EPA METHOD 8021B: VOLATILES						Analyst	: NSB
Benzene	ND	0.12		mg/Kg	5	2/24/2022 4:24:50 AM	65698
Toluene	ND	0.25		mg/Kg	5	2/24/2022 4:24:50 AM	65698
Ethylbenzene	ND	0.25		mg/Kg	5	2/24/2022 4:24:50 AM	65698
Xylenes, Total	ND	0.50		mg/Kg	5	2/24/2022 4:24:50 AM	65698
Surr: 4-Bromofluorobenzene	94.1	70-130		%Rec	5	2/24/2022 4:24:50 AM	65698

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

Qualifiers:

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

Page 10 of 22

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202945

Date Reported: 3/8/2022

CLIENT: GHD Midland		Cl	ient Sample II): TI	211-2	
Project: Robinson B Federal 1		(Collection Dat	e: 2/2	18/2022 10:20:00 AM	
Lab ID: 2202945-011	Matrix: SOIL		Received Dat	e: 2/2	19/2022 8:20:00 AM	
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	140	60	mg/Kg	20	2/28/2022 1:24:02 PM	65834
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: SB
Diesel Range Organics (DRO)	550	48	mg/Kg	5	2/25/2022 3:52:03 PM	65707
Motor Oil Range Organics (MRO)	1100	240	mg/Kg	5	2/25/2022 3:52:03 PM	65707
Surr: DNOP	75.9	51.1-141	%Rec	5	2/25/2022 3:52:03 PM	65707
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	24	mg/Kg	5	2/24/2022 4:47:56 AM	65698
Surr: BFB	101	70-130	%Rec	5	2/24/2022 4:47:56 AM	65698
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.12	mg/Kg	5	2/24/2022 4:47:56 AM	65698
Toluene	ND	0.24	mg/Kg	5	2/24/2022 4:47:56 AM	65698
Ethylbenzene	ND	0.24	mg/Kg	5	2/24/2022 4:47:56 AM	65698
Xylenes, Total	ND	0.49	mg/Kg	5	2/24/2022 4:47:56 AM	65698
Surr: 4-Bromofluorobenzene	95.0	70-130	%Rec	5	2/24/2022 4:47:56 AM	65698

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

Qualifiers:

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

Page 11 of 22

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202945

Date Reported: 3/8/2022

CLIENT: GHD Midland		Cl	ient Sample II	D: TI	P11-4			
Project: Robinson B Federal 1		(Collection Dat	e: 2/	18/2022 10:25:00 AM			
Lab ID: 2202945-012	Matrix: SOIL		Received Date: 2/19/2022 8:20:00 AM					
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analyst	: JMT		
Chloride	140	60	mg/Kg	20	2/28/2022 1:36:26 PM	65834		
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS				Analyst	SB		
Diesel Range Organics (DRO)	840	47	mg/Kg	5	2/25/2022 4:45:29 PM	65729		
Motor Oil Range Organics (MRO)	990	240	mg/Kg	5	2/25/2022 4:45:29 PM	65729		
Surr: DNOP	105	51.1-141	%Rec	5	2/25/2022 4:45:29 PM	65729		
EPA METHOD 8015D: GASOLINE RAM	IGE				Analyst	: NSB		
Gasoline Range Organics (GRO)	ND	25	mg/Kg	5	2/22/2022 3:09:09 PM	65708		
Surr: BFB	111	70-130	%Rec	5	2/22/2022 3:09:09 PM	65708		
EPA METHOD 8021B: VOLATILES					Analyst	: NSB		
Benzene	ND	0.12	mg/Kg	5	2/22/2022 3:09:09 PM	65708		
Toluene	ND	0.25	mg/Kg	5	2/22/2022 3:09:09 PM	65708		
Ethylbenzene	ND	0.25	mg/Kg	5	2/22/2022 3:09:09 PM	65708		
Xylenes, Total	ND	0.50	mg/Kg	5	2/22/2022 3:09:09 PM	65708		
Surr: 4-Bromofluorobenzene	103	70-130	%Rec	5	2/22/2022 3:09:09 PM	65708		

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

Qualifiers:

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

Page 12 of 22

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202945

Date Reported: 3/8/2022

CLIENT: GHD Midland		Cl	ient Sa	ample II	D: TP	212-5		
Project: Robinson B Federal 1			Collect	tion Dat	e: 2/1	8/2022 11:20:00 AM		
Lab ID: 2202945-013	Matrix: SOIL		Received Date: 2/19/2022 8:20:00 AM					
Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS						Analyst	: JMT	
Chloride	ND	60		mg/Kg	20	2/28/2022 1:48:51 PM	65834	
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS					Analyst	SB	
Diesel Range Organics (DRO)	460	190		mg/Kg	20	2/25/2022 2:47:28 PM	65729	
Motor Oil Range Organics (MRO)	1400	960		mg/Kg	20	2/25/2022 2:47:28 PM	65729	
Surr: DNOP	0	51.1-141	S	%Rec	20	2/25/2022 2:47:28 PM	65729	
EPA METHOD 8015D: GASOLINE RANG	ЭЕ					Analyst	: NSB	
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	2/22/2022 4:19:46 PM	65708	
Surr: BFB	112	70-130		%Rec	5	2/22/2022 4:19:46 PM	65708	
EPA METHOD 8021B: VOLATILES						Analyst	: NSB	
Benzene	ND	0.12		mg/Kg	5	2/22/2022 4:19:46 PM	65708	
Toluene	ND	0.24		mg/Kg	5	2/22/2022 4:19:46 PM	65708	
Ethylbenzene	ND	0.24		mg/Kg	5	2/22/2022 4:19:46 PM	65708	
Xylenes, Total	ND	0.48		mg/Kg	5	2/22/2022 4:19:46 PM	65708	
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	5	2/22/2022 4:19:46 PM	65708	

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

Qualifiers:

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

Page 13 of 22

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202945

Date Reported: 3/8/2022

CLIENT: GHD Midland		Cl	ient Sa	ample Il	D: TP	212-4	
Project: Robinson B Federal 1		(Collect	ion Dat	e: 2/1	8/2022 11:25:00 AM	
Lab ID: 2202945-014	Matrix: SOIL		Recei	ved Dat	e: 2/1	9/2022 8:20:00 AM	
Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: JMT
Chloride	ND	60		mg/Kg	20	2/28/2022 2:01:16 PM	65834
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	SB
Diesel Range Organics (DRO)	1300	190		mg/Kg	20	2/28/2022 1:05:37 PM	65729
Motor Oil Range Organics (MRO)	1400	970		mg/Kg	20	2/28/2022 1:05:37 PM	65729
Surr: DNOP	0	51.1-141	S	%Rec	20	2/28/2022 1:05:37 PM	65729
EPA METHOD 8015D: GASOLINE RANGE	i i					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	2/22/2022 5:31:01 PM	65708
Surr: BFB	109	70-130		%Rec	5	2/22/2022 5:31:01 PM	65708
EPA METHOD 8021B: VOLATILES						Analyst	: NSB
Benzene	ND	0.12		mg/Kg	5	2/22/2022 5:31:01 PM	65708
Toluene	ND	0.24		mg/Kg	5	2/22/2022 5:31:01 PM	65708
Ethylbenzene	ND	0.24		mg/Kg	5	2/22/2022 5:31:01 PM	65708
Xylenes, Total	ND	0.48		mg/Kg	5	2/22/2022 5:31:01 PM	65708
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	5	2/22/2022 5:31:01 PM	65708

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

Qualifiers:

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

Page 14 of 22

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202945

Date Reported: 3/8/2022

CLIENT: GHD Midland		Cl	ient Sample I	D: TF	912-6	
Project: Robinson B Federal 1		(Collection Dat	te: 2/1	8/2022 11:30:00 AM	
Lab ID: 2202945-015	Matrix: SOIL		Received Dat	t e: 2/1	9/2022 8:20:00 AM	
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JMT
Chloride	ND	60	mg/Kg	20	2/28/2022 2:13:41 PM	65834
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	t: SB
Diesel Range Organics (DRO)	73	9.7	mg/Kg	1	2/25/2022 3:19:51 PM	65729
Motor Oil Range Organics (MRO)	160	48	mg/Kg	1	2/25/2022 3:19:51 PM	65729
Surr: DNOP	100	51.1-141	%Rec	1	2/25/2022 3:19:51 PM	65729
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: NSB
Gasoline Range Organics (GRO)	ND	25	mg/Kg	5	2/22/2022 5:54:42 PM	65708
Surr: BFB	110	70-130	%Rec	5	2/22/2022 5:54:42 PM	65708
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.12	mg/Kg	5	2/22/2022 5:54:42 PM	65708
Toluene	ND	0.25	mg/Kg	5	2/22/2022 5:54:42 PM	65708
Ethylbenzene	ND	0.25	mg/Kg	5	2/22/2022 5:54:42 PM	65708
Xylenes, Total	ND	0.49	mg/Kg	5	2/22/2022 5:54:42 PM	65708
Surr: 4-Bromofluorobenzene	103	70-130	%Rec	5	2/22/2022 5:54:42 PM	65708

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

Qualifiers:

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

Page 15 of 22

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202945

Date Reported: 3/8/2022

CLIENT: GHD Midland		Cl	ient Sample I	D: TF	28-5	
Project: Robinson B Federal 1		(Collection Dat	te: 2/1	8/2022 9:15:00 AM	
Lab ID: 2202945-016	Matrix: SOIL		Received Dat	t e: 2/1	19/2022 8:20:00 AM	
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	1500	60	mg/Kg	20	2/28/2022 4:04:24 PM	65839
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: SB
Diesel Range Organics (DRO)	62	46	mg/Kg	5	2/25/2022 3:41:17 PM	65729
Motor Oil Range Organics (MRO)	310	230	mg/Kg	5	2/25/2022 3:41:17 PM	65729
Surr: DNOP	71.8	51.1-141	%Rec	5	2/25/2022 3:41:17 PM	65729
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	24	mg/Kg	5	2/22/2022 6:18:19 PM	65708
Surr: BFB	110	70-130	%Rec	5	2/22/2022 6:18:19 PM	65708
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.12	mg/Kg	5	2/22/2022 6:18:19 PM	65708
Toluene	ND	0.24	mg/Kg	5	2/22/2022 6:18:19 PM	65708
Ethylbenzene	ND	0.24	mg/Kg	5	2/22/2022 6:18:19 PM	65708
Xylenes, Total	ND	0.48	mg/Kg	5	2/22/2022 6:18:19 PM	65708
Surr: 4-Bromofluorobenzene	102	70-130	%Rec	5	2/22/2022 6:18:19 PM	65708

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

Qualifiers:

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

Page 16 of 22

Client:	GHD Midland
Project:	Robinson B Federal 1
Sample ID: MB-6	839 SampType: mblk TestCode: EPA Method 300.0: Anions
Client ID: PBS	Batch ID: 65839 RunNo: 86138
Prep Date: 2/2	2022 Analysis Date: 2/28/2022 SeqNo: 3036222 Units: mg/Kg
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	ND 1.5
Sample ID: LCS	
Client ID: LCS	Batch ID: 65839 RunNo: 86138
Prep Date: 2/2	2022 Analysis Date: 2/28/2022 SeqNo: 3036223 Units: mg/Kg
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	14 1.5 15.00 0 91.6 90 110
Sample ID: MB-6	834 SampType: mblk TestCode: EPA Method 300.0: Anions
Client ID: PBS	Batch ID: 65834 RunNo: 86137
Prep Date: 2/2	2022 Analysis Date: 2/28/2022 SeqNo: 3036314 Units: mg/Kg
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	ND 1.5
Sample ID: LCS	5834 SampType: Ics TestCode: EPA Method 300.0: Anions
Client ID: LCS	Batch ID: 65834 RunNo: 86137
Prep Date: 2/2	2022 Analysis Date: 2/28/2022 SeqNo: 3036315 Units: mg/Kg
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	15 1.5 15.00 0 97.0 90 110

Qualifiers:

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

Page 17 of 22

2202945

08-Mar-22

WO#:

Page 71 of 182

WO#:	2202945	

08-Mar-22

Client: GHD M Project: Robinsc	lidland on B Federal 1								
Sample ID: LCS-65707	SampType:	LCS	Tes	Code: EPA	A Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batch ID:	65707	F	unNo: 860)29				
Prep Date: 2/22/2022	Analysis Date:	2/23/2022	S	eqNo: 303	32026	Units: mg/K	g		
Analyte	Result PC	QL SPK value	SPK Ref Val	%REC I	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	60	10 50.00	0	119	68.9	135			
Surr: DNOP	5.0	5.000		99.2	51.1	141			
Sample ID: LCS-65729	SampType:	LCS	Tes	Code: EPA	A Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batch ID:	65729	F	unNo: 860)29				
Prep Date: 2/22/2022	Analysis Date:	2/23/2022	S	eqNo: 303	32027	Units: mg/K	g		
Analyte	Result PC	QL SPK value	SPK Ref Val	%REC I	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10 50.00	0	91.1	68.9	135			
Surr: DNOP	4.5	5.000		89.2	51.1	141			
Sample ID: MB-65707	SampType: MBLK TestCode: EPA Method a			8015M/D: Die	esel Range	e Organics			
	Batch ID: 65707		RunNo: 86029						
Client ID: PBS	Batch ID:	65707	F	unino. 600	129				
Client ID: PBS Prep Date: 2/22/2022	Batch ID: Analysis Date:			eqNo: 303		Units: mg/K	g		
	Analysis Date:	2/23/2022		eqNo: 303		Units: mg/K HighLimit	í g %RPD	RPDLimit	Qual
Prep Date: 2/22/2022 Analyte Diesel Range Organics (DRO)	Analysis Date: Result PC ND	2/23/2022	S	eqNo: 303	32029	-	-	RPDLimit	Qual
Prep Date: 2/22/2022 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO)	Analysis Date: Result PC ND ND	2/23/2022 QL SPK value 10 50	S	eqNo: 303 %REC I	32029 LowLimit	HighLimit	-	RPDLimit	Qual
Prep Date: 2/22/2022 Analyte Diesel Range Organics (DRO)	Analysis Date: Result PC ND	2/23/2022 QL SPK value	S	eqNo: 303	32029	-	-	RPDLimit	Qual
Prep Date: 2/22/2022 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO)	Analysis Date: Result PC ND ND	2/23/2022 QL SPK value 10 50 10.00	SPK Ref Val	eqNo: 303 %REC I 97.7	32029 LowLimit 51.1	HighLimit	%RPD		Qual
Prep Date: 2/22/2022 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP	Analysis Date: Result PC ND ND 9.8	2/23/2022 QL SPK value 10 50 10.00 MBLK	SPK Ref Val	eqNo: 303 %REC I 97.7	32029 LowLimit 51.1 A Method	HighLimit	%RPD		Qual
Prep Date: 2/22/2022 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: MB-65729	Analysis Date: Result PC ND ND 9.8 SampType:	2/23/2022 QL SPK value 10 50 10.00 MBLK 65729	SPK Ref Val	eqNo: 303 %REC I 97.7	32029 LowLimit 51.1 A Method 029	HighLimit	%RPD		Qual
Prep Date: 2/22/2022 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: MB-65729 Client ID: PBS Prep Date: 2/22/2022 Analyte	Analysis Date: Result PC ND 9.8 SampType: Batch ID: Analysis Date:	2/23/2022 QL SPK value 10 50 10.00 MBLK 65729 2/23/2022	SPK Ref Val	97.7 97.7 Code: EPA RunNo: 860 SeqNo: 303	32029 LowLimit 51.1 A Method 029 32030	HighLimit 141 8015M/D: Die	%RPD		Qual
Prep Date: 2/22/2022 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: MB-65729 Client ID: PBS Prep Date: 2/22/2022 Analyte Diesel Range Organics (DRO)	Analysis Date: Result PC ND 9.8 SampType: Batch ID: Analysis Date: Result PC ND	2/23/2022 QL SPK value 10 50 10.00 MBLK 65729 2/23/2022 QL SPK value 10	SPK Ref Val Tes F S	97.7 97.7 Code: EPA RunNo: 860 SeqNo: 303	32029 LowLimit 51.1 A Method 029 32030	HighLimit 141 8015M/D: Die Units: mg/K	%RPD	e Organics	
Prep Date: 2/22/2022 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: MB-65729 Client ID: PBS Prep Date: 2/22/2022 Analyte	Analysis Date: Result PC ND 9.8 SampType: Batch ID: Analysis Date: Result PC	2/23/2022 QL SPK value 10 50 10.00 MBLK 65729 2/23/2022 QL SPK value	SPK Ref Val Tes F S	97.7 97.7 Code: EPA RunNo: 860 SeqNo: 303	32029 LowLimit 51.1 A Method 029 32030	HighLimit 141 8015M/D: Die Units: mg/K	%RPD	e Organics	

Qualifiers:

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

WO#:	2202	2945
	00 14	

08-Mar-22

Client: GHD Mi	dland								
Project: Robinsor	n B Federal 1								
Sample ID: mb-65708	SampType: N	BLK	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID: PBS	Batch ID: 6		F	RunNo: 8	5980				
Prep Date: 2/21/2022	Analysis Date:	2/22/2022	S	SeqNo: 3	029874	Units: mg/k	٤g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO) Surr: BFB	ND 5.0 1100) 1000		107	70	130			
Sample ID: Ics-65708	SampType: L	cs	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID: LCSS	Batch ID: 6	5708	F	RunNo: 8	5980				
Prep Date: 2/21/2022	Analysis Date:	2/22/2022	S	SeqNo: 3	029875	Units: mg/k	٤g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27 5.0		0	109	78.6	131			
Surr: BFB	1200	1000		119	70	130			
Sample ID: 2202945-012ams	SampType: N	IS	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID: TP11-4	Batch ID: 6	5708	F	RunNo: 8	5980				
Prep Date: 2/21/2022	Analysis Date:	2/22/2022	S	GeqNo: 3	029877	Units: mg/k	٢g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	31 25		0	123	70	130			
Surr: BFB	5700	4970		114	70	130			
Sample ID: 2202945-012amso	SampType: N	SD	Tes	tCode: El	PA Method	8015D: Gasc	line Rang	e	
Client ID: TP11-4	Batch ID: 6	5708	F	RunNo: 8	5980				
Prep Date: 2/21/2022	Analysis Date:	2/22/2022	5	SeqNo: 3	029878	Units: mg/k	٤g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	32 25		0	129	70	130	5.27	20	
Surr: BFB	5700	4980		114	70	130	0	0	
Sample ID: mb-65698	SampType: N	BLK	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID: PBS	Batch ID: 6	5698	F	RunNo: 8	6042				
Prep Date: 2/21/2022	Analysis Date:	2/23/2022	S	SeqNo: 3	031479	Units: mg/k	٤g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND 5.0								
Surr: BFB	1100	1000		109	70	130			
Sample ID: Ics-65698	SampType: L	cs	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID: LCSS	Batch ID: 6	5698	F	RunNo: 8	6042				
Prep Date: 2/21/2022	Analysis Date:	2/23/2022	5	SeqNo: 3	031480	Units: mg/	٤g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

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

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 19 of 22

Client: Project:	GHD Midland Robinson B Federa	al 1								
Sample ID: Ics-656 Client ID: LCSS		Type: LC			tCode: Ef		8015D: Gaso	line Rang	e	
Prep Date: 2/21/2		Date: 2/2		-	SeqNo: 3		Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organic	s (GRO) 27	5.0	25.00	0	106	78.6	131			
Surr: BFB	1200		1000		123	70	130			

Qualifiers:

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

Page 20 of 22

2202945

08-Mar-22

WO#:

WO#:	2202945

08-Mar-22

	HD Midland binson B Federa	al 1								
Sample ID: mb-65708	Samp	Туре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: PBS		ch ID: 65		F	RunNo: 8	5980				
Prep Date: 2/21/2022	Analysis	Date: 2/	22/2022	5	SeqNo: 3	029919	Units: mg/k	ζg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025					5			
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzer	ne 1.0		1.000		99.8	70	130			
Sample ID: LCS-65708	s Samp	Type: LC	s	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Bato	ch ID: 65	708	F	RunNo: 8	5980				
Prep Date: 2/21/2022	Analysis	Date: 2/	22/2022	5	SeqNo: 3	029921	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	1.000	0	96.1	80	120			
Toluene	1.0	0.050	1.000	0	100	80	120			
Ethylbenzene	1.0	0.050	1.000	0	101	80	120			
Xylenes, Total	3.1	0.10	3.000	0	102	80	120			
Surr: 4-Bromofluorobenzer	ne 1.0		1.000		102	70	130			
Sample ID: 2202945-0	13ams Samp	Type: MS	3	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: TP12-5	Bato	h ID: 65	708	F	RunNo: 8	5980				
Prep Date: 2/21/2022	Analysis	Date: 2/	22/2022	S	SeqNo: 3	029924	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.78	0.12	0.9615	0	81.1	80	120			
Toluene	0.84	0.24	0.9615	0	87.0	80	120			
Ethylbenzene	0.85	0.24	0.9615	0	88.2	80	120			
Xylenes, Total	2.6	0.48	2.885	0	88.6	80	120			
Surr: 4-Bromofluorobenzer	ne 5.0		4.808		103	70	130			
Sample ID: 2202945-0	13amsd Samp	Туре: МS	SD	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: TP12-5	Bato	ch ID: 65	708	F	RunNo: 8	5980				
Prep Date: 2/21/2022	Analysis	Date: 2/	22/2022	5	SeqNo: 3	029925	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.12	0.9579	0	92.0	80	120	12.2	20	
Toluene	0.95	0.24	0.9579	0	99.0	80	120	12.5	20	
Ethylbenzene	0.97	0.24	0.9579	0	101	80	120	13.4	20	
Xylenes, Total	2.9	0.48	2.874	0	101	80	120	12.7	20	
Surr: 4-Bromofluorobenzer	ie 4.8		4.789		101	70	130	0	0	

Qualifiers:

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

Page 21 of 22

.

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Hall Enviro	nment	tal Anal	ysis L	Laborat	ory, Inc.						08-Mar-22
Client: Project:	GHD M	fidland on B Federal	1								
Floject:	KOUIIISC	JI D redera	1								
Sample ID: mb-65	698	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS		Batch	n ID: 65	698	F	RunNo: 8	6042				
Prep Date: 2/21/2	2022	Analysis D)ate: 2/	23/2022	S	SeqNo: 3	031526	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		ND	0.025								
Toluene		ND	0.050								
Ethylbenzene		ND	0.050								
Xylenes, Total		ND	0.10								
Surr: 4-Bromofluorobe	enzene	1.0		1.000		100	70	130			
Sample ID: LCS-6	5698	SampT	vpe: LC	s	Tes	tCode: El	PA Method	8021B: Volat	iles		

Sample ID: LCS-65698	SampT	ype: LC	S	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batcl	n ID: 656	698	F	RunNo: 8	6042				
Prep Date: 2/21/2022	Analysis D)ate: 2/ 2	23/2022	5	SeqNo: 3031527 Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	93.0	80	120			
Toluene	0.97	0.050	1.000	0	97.3	80	120			
Ethylbenzene	0.98	0.050	1.000	0	98.2	80	120			
Xylenes, Total	3.0	0.10	3.000	0	100	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		105	70	130			

Qualifiers:

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

Page 22 of 22

2202945

WO#:

I USU // U/ IUM	Page	77	0	f 182
-----------------	------	----	---	-------

ived by OCD: 8/4/2022 4:57:41 PM HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmental Albi TEL: 505-345-3975 Website: clients.ha	490 uquerq FAX:	1 Hawkins 1 ue, NM 871 505-345-41	NE 09 07	San	Page
Client Name: GHD Midland	Work Order Number:	2202	2945			RcptNo: 1
Received By: Juan Rojas 2/	/19/2022 8:20:00 AM			years Ville	ag .	
Completed By: Kasandra Payan 2/	19/2022 9:35:17 AM			V.	1	
Reviewed By: MPG 2/19/22				1		
Chain of Custody						
1. Is Chain of Custody complete?		Yes	~	No		Not Present
2. How was the sample delivered?		Cou	rier			
Log In						
3. Was an attempt made to cool the samples?		Yes	~	No		
4. Were all samples received at a temperature of a	>0° C to 6.0°C	Yes		No		
5. Sample(s) in proper container(s)?		Yes		No		
5. Sufficient sample volume for indicated test(s)?		Yes	~	No		
7. Are samples (except VOA and ONG) properly pr	eserved?	Yes		No		
B. Was preservative added to bottles?		Yes		No	~	NA 🗌
9. Received at least 1 vial with headspace <1/4" for	AQ VOA?	Yes		No		NA 🗹
0. Were any sample containers received broken?		Yes		No	•	# of preserved
1. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes	•	No		bottles checked for pH: (<2 or >12 unless noted)
2. Are matrices correctly identified on Chain of Cus	todv?	Yes	~	No		Adjusted?
3. Is it clear what analyses were requested?		Yes		No		
4. Were all holding times able to be met?		Yes		No		Checked by: JA 2/19/22
(If no, notify customer for authorization.)					/	
pecial Handling (if applicable)						
5. Was client notified of all discrepancies with this	order?	Yes		No		NA 🗹
Person Notified:	Date:					
By Whom:	Via:	eMa	ail 🗌 Pho	one 🗌	Fax	In Person
Regarding:						
Client Instructions:						
6. Additional remarks:						
7. <u>Cooler Information</u> Cooler No Temp °C Condition Seal I	ntact Seal No S	eal Da	ate S	igned	Bv	
1 1.7 Good		Sui Di		igneu	<i></i> ,	
2 2.0 Good						

Page 1 of 1

					1							
Client: GHD		」 文 Standard	í.	Rush C New				ANAI			I ARG	ENVIKONMENTAL
		Project Name:							neller	viron		
Mailing Address:		Poblason	B Federal	# 27		4901 Hawkins NE	Hawki	ns NE		buaue	Albuqueraue. NM 87109	87109
2135 S. Loop 250	2135 S. Loop 250 W. Midland, TX 79703	Project #:				Tel. 5	505-345-3975	5-397		Fax	505-345-4107	07
Phone #: (·	(432) 686-0086	011 h LS 21	4110						Ana	ysis	Analysis Request	
email or Fax#: E	Becky. Haskell@ghd.com	Project Manag	iger:		-	(0			70			
QA/QC Package:		Becky Haskell	-		1111	-		SV	S '*			
□ Standard	Level 4 (Full Validation)	Tom Larson						VISC	ЪО			
Accreditation:	Az Compliance	Sampler:	Heath Boyd					0228	' ² 0			
	Other	On Ice: (XYes	O No	1.11			-			-	
EDD (Type)		# of Coolers:	2				_		-	-	1.11	
		Cooler Temp(including CF):	(including CF):	F.1 = 1.0-2		100			-		-	
Date Time N	Matrix Sample Name	Container Type and #	Preservative Type	2.)-0.122.0 HEAL No.	/ X∃TE	PH:80	M) 803	(d sHA	8 CRA 8	V) 092	S) 07S	
258		402 Sr/1	N/M	001	~	-	9	-	-	-	-	
1 900	7-141	, ,	!	200	X	2			-		Q	
905	H - LAT			003	X	Q					ع	
915	2-241			Poo	Q	R					R	
920	H-221			200	R	٩					2	
925	TP9.5			900	2	Q					Q	
935	189-2			007	201	R					ę	
940	TP10-5			800	2	8					R	
955	T710-2			009	2 2	R					R	
1000	TP11-5			00	14	R					2	
0201	2-1121			011	1 2	8					x	
5	x TPII-4	x	R	210	0	R		1			8	
L/18/12 Time: R	Relinquished by:	Received by:	Via: AAAAAA	2/3/22 /500	R.	Remarks: Please email: Chase Tom.Larson@ghd.com; Za Ucoth Bourd@chd.com; Za	s: Plean	ase el son@	ghd.ct	hase om; Za		arks: Please email: Chase_Settle@eogresources.com; Tom.Larson@ghd.com; Zach.Comino@ghd.com; act Dove South com; Zach.Comino@ghd.com;
Date: Time: R	Relinquished by:	Received by:	Via:	Date Time	_	ILEGI	non	lingui	1.001	ahove above	y with beck	rreauboyu@gnu.com Aiong with becky haskell listed ahove
118/22/910	adver	Z	POUNAN	2/19/22 8:20				Direct	Bill to	EOG	Direct Bill to EOG Chase Settle	ittle

182

Chain	I-of-CI	Chain-of-Custody Record	Turn-Around Time:	Time:													ACC
Client: GHD			∠ Standard		Rush 5 Daw				A N	- E	NU	5	NON NO	HALL ENVIRONMENTAL	ITA		eiveu
			Project Name:	1				-			0	Ŋ		AMALISTS LABORALORY			oy C
Mailing Address:	S:		Pobinson	3	Federal # 1		1001	hweH	www.	/.nalle		nme	www.nallenvironmental.com	WWW.hallenvironmental.com			, cp.
2135 S. Loop 2	50 W. Mic	2135 S. Loop 250 W. Midland, TX 79703	Project #:	1.000		_	Let Let	Tel 505-345-3975	45-30	75	Paver	hian	EIQUE, INIVI 07	10/109			0/4/
Phone #:	(432) 686-0086	36-0086	2/	ONHUS						An	alysi	s Re	Analysis Request	101+			474
email or Fax#:	Becky.H	Becky.Haskell@ghd.com	Project Manager:	ager:		((0	-		-	VC	-			-	ŀ	4 T.
QA/QC Package:			Becky Haskell			120		6.	SI		19						5/.0
□ Standard		Level 4 (Full Validation)	Tom Larson			8) s		10.1	WIS		PO4						
Accreditation:	D Az Co	Az Compliance	Sampler:	Heath Boyd		SM.				0	0 ^{5'}	-					111
	□ Other	L	On Ice:	XYes	O No	L /	-		-	-	N	(A					-
□ EDD (Type)			# of Coolers:	2		BE			-	-		_					
			Cooler Temp(induding CF):	1.1	F.1-1.7	ΤM	1.00									_	
Date Time	Matrix	Sample Name	Container Type and #	Preservative Type	2.1-0.152.0 HEAL No.	/ X∃TE	108:H91 99 1808	EDB (We	vd sHA	8 AADS	31' E' BI	9S) 072	Shloride				
02/11/2/2/2	N	TP12-5	Hor Jac/1	NA	013	×	2		1	-	· · · · ·	6 I	-	-		-	-
1 1125	-	TP12-4		1	oly	X	X				-		×				-
× 1130	2	9-21dt	X	x	015	x	2				-		X				
2/18/4 9:15		778-5			910		-		1	1	-						-
-		0					-			-	-	-		-	t		-
		14001 2/0/2 22					-			+	-					-	
								0		+	-					-	
										-				_			
Date: Time:	Relinquished hv	ed hv:	Dominad hur	Via.		ľ	-			_	_			_			
ha	B	· Constant	Received by.	VIA:	2/18/22 1500	ĸ	Remarks: Please email: Chase Tom.Larson@ghd.com; Za	s: Ple m.Lar	son@	mail: ghd.	Chas		Comi	arks: Please email: Chase_Settle@eogresources.com; Tom.Larson@ghd.com; Zach.Comino@ghd.com;	ces.cor	.: 	
Date: Time: 2/18/22 1900	Relinquished by:	ed by:	Received by:	Nouniar 2	Date QD		пеац	1.BOY	Direc	d.cor t Bill	abc to EO	Along wi above. EOG CI	@gna.com Along with Becky H above. Direct Bill to EOG Chase Settle	Hearn.boyd@gnd.com Along with Becky Haskell listed above. Direct Bill to EOG Chase Settle	listed		Fage
If necessary,	samples subi	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.	contracted to other ac	credited laboratories	s. This serves as notice of thi	i possibil	ty. Any	sub-cont	racted	lata will	be clea	rly nota	ted on th	e analytical rep	ort.	1	19

Released to Imaging: 9/20/2022 2:02:30 PM

Page 79 of 182



March 08, 2022

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

RE: Robinson B Federal 1

OrderNo.: 2202A50

Hall Environmental Analysis Laboratory

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

Website: clients.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 10 sample(s) on 2/23/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202A50

Date Reported: 3/8/2022

CLIENT: GHD Midland		Cl	ient Sample II	D: TH	P13-S	
Project: Robinson B Federal 1		(Collection Dat	e: 2/2	21/2022 9:00:00 AM	
Lab ID: 2202A50-001	Matrix: SOIL		Received Dat	e: 2/2	23/2022 7:45:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	ЈМТ
Chloride	560	60	mg/Kg	20	3/2/2022 3:58:07 AM	65883
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB
Diesel Range Organics (DRO)	9.7	8.5	mg/Kg	1	2/28/2022 8:24:06 PM	65780
Motor Oil Range Organics (MRO)	ND	42	mg/Kg	1	2/28/2022 8:24:06 PM	65780
Surr: DNOP	96.3	51.1-141	%Rec	1	2/28/2022 8:24:06 PM	65780
EPA METHOD 8015D: GASOLINE RANG	E				Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	2/25/2022 10:24:17 PM	65768
Surr: BFB	108	70-130	%Rec	1	2/25/2022 10:24:17 PM	65768
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Benzene	ND	0.023	mg/Kg	1	2/25/2022 10:24:17 PM	65768
Toluene	ND	0.047	mg/Kg	1	2/25/2022 10:24:17 PM	65768
Ethylbenzene	ND	0.047	mg/Kg	1	2/25/2022 10:24:17 PM	65768
Xylenes, Total	ND	0.093	mg/Kg	1	2/25/2022 10:24:17 PM	65768
Surr: 4-Bromofluorobenzene	99.7	70-130	%Rec	1	2/25/2022 10:24:17 PM	65768

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

Qualifiers:

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

Page 1 of 14

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202A50

Date Reported: 3/8/2022

CLIENT: GHD Midland	Client Sample ID: TP13-2 Collection Date: 2/21/2022 9:05:00 AM								
Project: Robinson B Federal 1									
Lab ID: 2202A50-002	Matrix: SOIL Received Date: 2/23/2022 7:45:00 AM								
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analyst:	ЈМТ			
Chloride	160	60	mg/Kg	20	3/2/2022 4:10:31 AM	65883			
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst:	SB			
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	2/26/2022 1:25:46 AM	65780			
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/26/2022 1:25:46 AM	65780			
Surr: DNOP	105	51.1-141	%Rec	1	2/26/2022 1:25:46 AM	65780			
EPA METHOD 8015D: GASOLINE RANG	E				Analyst:	RAA			
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/25/2022 10:47:51 PM	65768			
Surr: BFB	107	70-130	%Rec	1	2/25/2022 10:47:51 PM	65768			
EPA METHOD 8021B: VOLATILES					Analyst:	RAA			
Benzene	ND	0.025	mg/Kg	1	2/25/2022 10:47:51 PM	65768			
Toluene	ND	0.050	mg/Kg	1	2/25/2022 10:47:51 PM	65768			
Ethylbenzene	ND	0.050	mg/Kg	1	2/25/2022 10:47:51 PM	65768			
Xylenes, Total	ND	0.10	mg/Kg	1	2/25/2022 10:47:51 PM	65768			
Surr: 4-Bromofluorobenzene	99.2	70-130	%Rec	1	2/25/2022 10:47:51 PM	65768			

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

Qualifiers:

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

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

Page 2 of 14

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202A50

Date Reported: 3/8/2022

CLIENT: GHD Midland		Cl	ient Sample II	D: TH	213-4					
Project: Robinson B Federal 1	Collection Date: 2/21/2022 9:10:00 AM									
Lab ID: 2202A50-003	Matrix: SOIL		Received Dat	e: 2/2	23/2022 7:45:00 AM					
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch				
EPA METHOD 300.0: ANIONS					Analyst	: ЈМТ				
Chloride	140	60	mg/Kg	20	3/2/2022 4:22:56 AM	65883				
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB				
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	2/26/2022 1:36:18 AM	65780				
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	2/26/2022 1:36:18 AM	65780				
Surr: DNOP	98.9	51.1-141	%Rec	1	2/26/2022 1:36:18 AM	65780				
EPA METHOD 8015D: GASOLINE RANGE	l .				Analyst	RAA				
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/25/2022 11:11:20 PM	65768				
Surr: BFB	108	70-130	%Rec	1	2/25/2022 11:11:20 PM	65768				
EPA METHOD 8021B: VOLATILES					Analyst	RAA				
Benzene	ND	0.025	mg/Kg	1	2/25/2022 11:11:20 PM	65768				
Toluene	ND	0.050	mg/Kg	1	2/25/2022 11:11:20 PM	65768				
Ethylbenzene	ND	0.050	mg/Kg	1	2/25/2022 11:11:20 PM	65768				
Xylenes, Total	ND	0.10	mg/Kg	1	2/25/2022 11:11:20 PM	65768				
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	1	2/25/2022 11:11:20 PM	65768				

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

Qualifiers:

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

Page 3 of 14

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202A50

Date Reported: 3/8/2022

CLIENT: GHD Midland		Cl	ient Sample II	D: TF	P14-S				
Project: Robinson B Federal 1	Collection Date: 2/21/2022 9:30:00 AM								
Lab ID: 2202A50-004	Matrix: SOIL Received Date: 2/23/2022 7:45:00 AM								
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analyst:	ЈМТ			
Chloride	94	60	mg/Kg	20	3/2/2022 4:35:20 AM	65883			
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst:	SB			
Diesel Range Organics (DRO)	ND	9.1	mg/Kg	1	2/26/2022 1:46:46 AM	65780			
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	2/26/2022 1:46:46 AM	65780			
Surr: DNOP	98.8	51.1-141	%Rec	1	2/26/2022 1:46:46 AM	65780			
EPA METHOD 8015D: GASOLINE RANGI	E				Analyst:	RAA			
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	2/25/2022 11:34:50 PM	65768			
Surr: BFB	108	70-130	%Rec	1	2/25/2022 11:34:50 PM	65768			
EPA METHOD 8021B: VOLATILES					Analyst:	RAA			
Benzene	ND	0.023	mg/Kg	1	2/25/2022 11:34:50 PM	65768			
Toluene	ND	0.046	mg/Kg	1	2/25/2022 11:34:50 PM	65768			
Ethylbenzene	ND	0.046	mg/Kg	1	2/25/2022 11:34:50 PM	65768			
Xylenes, Total	ND	0.092	mg/Kg	1	2/25/2022 11:34:50 PM	65768			
Surr: 4-Bromofluorobenzene	100	70-130	%Rec	1	2/25/2022 11:34:50 PM	65768			

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

Qualifiers:

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

Page 4 of 14

Surr: 4-Bromofluorobenzene

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202A50

Date Reported: 3/8/2022

2/25/2022 11:58:14 PM 65768

CLIENT:	GHD Midland	Client Sample ID: TP14-2								
Project:	Robinson B Federal 1		(Collection Dat	:e: 2/2	21/2022 9:35:00 AM				
Lab ID:	2202A50-005	Matrix: SOIL		Received Dat	e: 2/2	23/2022 7:45:00 AM				
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA MET	HOD 300.0: ANIONS					Analyst	: JMT			
Chloride		ND	60	mg/Kg	20	3/2/2022 4:47:44 AM	65883			
EPA MET	HOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst	SB			
Diesel Ra	ange Organics (DRO)	70	9.4	mg/Kg	1	3/2/2022 12:29:30 AM	65780			
Motor Oil	Range Organics (MRO)	250	47	mg/Kg	1	3/2/2022 12:29:30 AM	65780			
Surr: D	NOP	105	51.1-141	%Rec	1	3/2/2022 12:29:30 AM	65780			
EPA MET	HOD 8015D: GASOLINE RANG	E				Analyst	RAA			
Gasoline	Range Organics (GRO)	ND	4.8	mg/Kg	1	2/25/2022 11:58:14 PM	65768			
Surr: E	3FB	108	70-130	%Rec	1	2/25/2022 11:58:14 PM	65768			
EPA MET	HOD 8021B: VOLATILES					Analyst	: RAA			
Benzene		ND	0.024	mg/Kg	1	2/25/2022 11:58:14 PM	65768			
Toluene		ND	0.048	mg/Kg	1	2/25/2022 11:58:14 PM	65768			
Ethylben	zene	ND	0.048	mg/Kg	1	2/25/2022 11:58:14 PM	65768			
Xylenes,	Total	ND	0.097	mg/Kg	1	2/25/2022 11:58:14 PM	65768			

98.9

70-130

%Rec

1

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

Qualifiers:

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

Page 5 of 14

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202A50

Date Reported: 3/8/2022

CLIENT: GHD Midland		Cl	ient Sample II	D: TH	214-4					
Project: Robinson B Federal 1	Collection Date: 2/21/2022 9:40:00 AM									
Lab ID: 2202A50-006	Matrix: SOIL	23/2022 7:45:00 AM								
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch				
EPA METHOD 300.0: ANIONS					Analyst	: JMT				
Chloride	69	60	mg/Kg	20	3/2/2022 10:07:41 AM	65892				
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: SB				
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	2/26/2022 2:07:40 AM	65780				
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	2/26/2022 2:07:40 AM	65780				
Surr: DNOP	116	51.1-141	%Rec	1	2/26/2022 2:07:40 AM	65780				
EPA METHOD 8015D: GASOLINE RANGE	l .				Analyst	RAA				
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	2/26/2022 12:21:43 AM	65768				
Surr: BFB	105	70-130	%Rec	1	2/26/2022 12:21:43 AM	65768				
EPA METHOD 8021B: VOLATILES					Analyst	RAA				
Benzene	ND	0.024	mg/Kg	1	2/26/2022 12:21:43 AM	65768				
Toluene	ND	0.047	mg/Kg	1	2/26/2022 12:21:43 AM	65768				
Ethylbenzene	ND	0.047	mg/Kg	1	2/26/2022 12:21:43 AM	65768				
Xylenes, Total	ND	0.095	mg/Kg	1	2/26/2022 12:21:43 AM	65768				
Surr: 4-Bromofluorobenzene	98.1	70-130	%Rec	1	2/26/2022 12:21:43 AM	65768				

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

Qualifiers:

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

Page 6 of 14

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202A50

Date Reported: 3/8/2022

CLIENT: GHD Midland		Cl	ient Sa	ample II	D: TP	215-S				
Project: Robinson B Federal 1	Collection Date: 2/21/2022 10:20:00 AM									
Lab ID: 2202A50-007	Matrix: SOIL		Recei	ved Dat	e: 2/2	23/2022 7:45:00 AM				
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS						Analyst	: ЈМТ			
Chloride	ND	60		mg/Kg	20	3/2/2022 10:20:06 AM	65892			
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	: SB			
Diesel Range Organics (DRO)	250	91		mg/Kg	10	3/2/2022 12:50:42 AM	65780			
Motor Oil Range Organics (MRO)	1000	460		mg/Kg	10	3/2/2022 12:50:42 AM	65780			
Surr: DNOP	0	51.1-141	S	%Rec	10	3/2/2022 12:50:42 AM	65780			
EPA METHOD 8015D: GASOLINE RANG	E					Analyst	RAA			
Gasoline Range Organics (GRO)	ND	25		mg/Kg	5	2/26/2022 12:45:09 AM	65768			
Surr: BFB	105	70-130		%Rec	5	2/26/2022 12:45:09 AM	65768			
EPA METHOD 8021B: VOLATILES						Analyst	RAA			
Benzene	ND	0.12		mg/Kg	5	2/26/2022 12:45:09 AM	65768			
Toluene	ND	0.25		mg/Kg	5	2/26/2022 12:45:09 AM	65768			
Ethylbenzene	ND	0.25		mg/Kg	5	2/26/2022 12:45:09 AM	65768			
Xylenes, Total	ND	0.50		mg/Kg	5	2/26/2022 12:45:09 AM	65768			
Surr: 4-Bromofluorobenzene	98.4	70-130		%Rec	5	2/26/2022 12:45:09 AM	65768			

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

Qualifiers:

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

Page 7 of 14

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202A50

Date Reported: 3/8/2022

CLIENT: GHD Midland		Cl	ient S	ample II	D: TF	215-4				
Project: Robinson B Federal 1	Collection Date: 2/21/2022 10:25:00 AM									
Lab ID: 2202A50-008	Matrix: SOIL		Recei	ved Dat	e: 2/2	23/2022 7:45:00 AM				
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS						Analyst	: JMT			
Chloride	ND	60		mg/Kg	20	3/2/2022 10:32:30 AM	65892			
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS					Analyst	: SB			
Diesel Range Organics (DRO)	1100	200		mg/Kg	20	3/2/2022 1:11:56 AM	65780			
Motor Oil Range Organics (MRO)	2800	1000		mg/Kg	20	3/2/2022 1:11:56 AM	65780			
Surr: DNOP	0	51.1-141	S	%Rec	20	3/2/2022 1:11:56 AM	65780			
EPA METHOD 8015D: GASOLINE RANG	SE					Analyst	RAA			
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	2/26/2022 1:08:35 AM	65768			
Surr: BFB	105	70-130		%Rec	5	2/26/2022 1:08:35 AM	65768			
EPA METHOD 8021B: VOLATILES						Analyst	RAA			
Benzene	ND	0.12		mg/Kg	5	2/26/2022 1:08:35 AM	65768			
Toluene	ND	0.24		mg/Kg	5	2/26/2022 1:08:35 AM	65768			
Ethylbenzene	ND	0.24		mg/Kg	5	2/26/2022 1:08:35 AM	65768			
Xylenes, Total	ND	0.48		mg/Kg	5	2/26/2022 1:08:35 AM	65768			
Surr: 4-Bromofluorobenzene	96.8	70-130		%Rec	5	2/26/2022 1:08:35 AM	65768			

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

Qualifiers:

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

Page 8 of 14

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202A50

Date Reported: 3/8/2022

CLIENT: GHD Midland		Cl	ient Sa	ample II	D: TF	215-8				
Project: Robinson B Federal 1	Collection Date: 2/21/2022 10:30:00 AM									
Lab ID: 2202A50-009	Matrix: SOIL		Recei	ved Dat	e: 2/2					
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS						Analyst	: JMT			
Chloride	ND	60		mg/Kg	20	3/2/2022 10:44:55 AM	65892			
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	SB			
Diesel Range Organics (DRO)	630	190		mg/Kg	20	3/2/2022 1:33:03 AM	65780			
Motor Oil Range Organics (MRO)	2400	930		mg/Kg	20	3/2/2022 1:33:03 AM	65780			
Surr: DNOP	0	51.1-141	S	%Rec	20	3/2/2022 1:33:03 AM	65780			
EPA METHOD 8015D: GASOLINE RANG	E					Analyst	RAA			
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	2/26/2022 1:31:57 AM	65768			
Surr: BFB	103	70-130		%Rec	5	2/26/2022 1:31:57 AM	65768			
EPA METHOD 8021B: VOLATILES						Analyst	RAA			
Benzene	ND	0.12		mg/Kg	5	2/26/2022 1:31:57 AM	65768			
Toluene	ND	0.24		mg/Kg	5	2/26/2022 1:31:57 AM	65768			
Ethylbenzene	ND	0.24		mg/Kg	5	2/26/2022 1:31:57 AM	65768			
Xylenes, Total	ND	0.48		mg/Kg	5	2/26/2022 1:31:57 AM	65768			
Surr: 4-Bromofluorobenzene	96.1	70-130		%Rec	5	2/26/2022 1:31:57 AM	65768			

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

Qualifiers:

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

Page 9 of 14

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202A50

Date Reported: 3/8/2022

CLIENT: GHD Midland	Client Sample ID: TP15-12 Collection Date: 2/21/2022 10:35:00 AM								
Project: Robinson B Federal 1									
Lab ID: 2202A50-010	Matrix: SOIL Received Date: 2/23/2022 7:45:00 A								
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analyst	: JMT			
Chloride	97	60	mg/Kg	20	3/2/2022 10:57:19 AM	65892			
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: SB			
Diesel Range Organics (DRO)	66	9.7	mg/Kg	1	3/2/2022 12:47:29 PM	65780			
Motor Oil Range Organics (MRO)	240	48	mg/Kg	1	3/2/2022 12:47:29 PM	65780			
Surr: DNOP	102	51.1-141	%Rec	1	3/2/2022 12:47:29 PM	65780			
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA			
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/26/2022 3:05:27 AM	65768			
Surr: BFB	104	70-130	%Rec	1	2/26/2022 3:05:27 AM	65768			
EPA METHOD 8021B: VOLATILES					Analyst	RAA			
Benzene	ND	0.025	mg/Kg	1	2/26/2022 3:05:27 AM	65768			
Toluene	ND	0.050	mg/Kg	1	2/26/2022 3:05:27 AM	65768			
Ethylbenzene	ND	0.050	mg/Kg	1	2/26/2022 3:05:27 AM	65768			
Xylenes, Total	ND	0.10	mg/Kg	1	2/26/2022 3:05:27 AM	65768			
Surr: 4-Bromofluorobenzene	97.9	70-130	%Rec	1	2/26/2022 3:05:27 AM	65768			

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

Qualifiers:

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

Page 10 of 14

QC SUMMARY REPORT Hall Envir

A											
Client:	GHD N	Aidland									
Project:	Robins	on B Federal 1									
Sample ID: MB-6	5883	SampType	e: mb	lk	Tes	stCode: El	PA Method	300.0: Anion	s		
Client ID: PBS		Batch ID): 658	83		RunNo: 8	6175				
Prep Date: 3/1/	2022	Analysis Date	e: 3/ 1	/2022		SeqNo: 3	037392	Units: mg/#	g		
Analyte		Result F	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID: LCS-	65883	SampType	e: Ics		Tes	stCode: El	PA Method	300.0: Anion	s		
Client ID: LCSS	6	Batch ID): 658	83	ļ	RunNo: 8	6175				
Prep Date: 3/1/	2022	Analysis Date	e: 3/ 1	/2022		SeqNo: 3	037393	Units: mg/#	íg		
Analyte		Result F	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	92.0	90	110			

Sample ID: MB-65892	SampType:	mblk	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID: PBS	Batch ID:	65892	RunNo: 86196						
Prep Date: 3/2/2022	Analysis Date:	3/2/2022	5	SeqNo: 30	038465	Units: mg/K	g		
Analyte	Result PQ	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND 1	.5							
Sample ID: LCS-65892	SampType:	lcs	Tes	tCode: EF	PA Method	300.0: Anion	s		
Sample ID: LCS-65892 Client ID: LCSS	SampType: Batch ID:			tCode: EF RunNo: 86		300.0: Anion	s		
		65892	F		6196	300.0: Anion Units: mg/K	-		
Client ID: LCSS	Batch ID:	65892 3/2/2022	F	RunNo: 86	6196		-	RPDLimit	Qual

Qualifiers:

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

ND Not Detected at the Reporting Limit

- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- Analyte detected in the associated Method Blank в
- Е Estimated value

J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit

WO#	: 2202A50
VV Off	. 2202A30

	Midland son B Federa	11								
Sample ID: LCS-65780	•	Type: LC					8015M/D: Die	esel Rang	e Organics	
Client ID: LCSS	Batc	h ID: 65	780	F	RunNo: 8	6122				
Prep Date: 2/24/2022	Analysis [Date: 2/	25/2022	S	eqNo: 3	034563	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	97.2	68.9	135			
Surr: DNOP	4.0		5.000		80.6	51.1	141			
Sample ID: MB-65780	Samp ⁻	Type: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: PBS	Batc	h ID: 65	780	F	RunNo: 8	6122				
Prep Date: 2/24/2022	Analysis [Date: 2/	25/2022	S	eqNo: 3	034565	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.8		10.00		87.9	51.1	141			

Qualifiers:

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

Page 12 of 14

2202A50

08-Mar-22

WO#:

....

Client: GHD M Project: Robinso	idland on B Federal	1								
Sample ID: Ics-65768	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID: LCSS	Batch	n ID: 65	768	F	RunNo: 8	6121				
Prep Date: 2/23/2022	Analysis D	ate: 2/	25/2022	S	SeqNo: 3	034389	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	106	78.6	131			
Surr: BFB	1200		1000		122	70	130			
Sample ID: mb-65768	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID: PBS	Batch	n ID: 65	768	F	RunNo: 8	6121				
Prep Date: 2/23/2022	Analysis D	ate: 2/	25/2022	S	SeqNo: 3	034391	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		111	70	130			

Qualifiers:

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

Page 13 of 14

2202A50

08-Mar-22

WO#:

WO#: 2202A50

08-Mar-22

Client: GHD	Midland									
Project: Robin	ison B Federa	11								
Sample ID: LCS-65768	SampT	Гуре: LC	S	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batc	h ID: 65	768	F	RunNo: 8	6121				
Prep Date: 2/23/2022	Analysis E	Date: 2/	25/2022	S	SeqNo: 3	034455	Units: mg/#	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.025	1.000	0	92.1	80	120			
Toluene	0.96	0.050	1.000	0	96.4	80	120			
Ethylbenzene	0.98	0.050	1.000	0	98.2	80	120			
Xylenes, Total	3.0	0.10	3.000	0	98.8	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		104	70	130			
Sample ID: mb-65768	SampT	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batc	h ID: 65	768	F	RunNo: 8	6121				
Prep Date: 2/23/2022	Analysis E	Date: 2/	25/2022	5	SeqNo: 3	034457	Units: mg/k	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		101	70	130			

Qualifiers:

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

Page 14 of 14

	CD: 8/4/20 HALL ENVIRON ANALYSI LABORAT	IMENT/		TE	ll Environme L: 505-345-3 ebsite: client	49) Albuquer 975 FAX:	01 Hawk que, NM 505-34	kins NE (87109 5-4107	Sai	mple Log-In Check List	ge 95
Client I	Name: GH	HD Midlar	nd	Work	Order Num	ber: 220	2A50			RcptNo: 1	
Receive	ed By: C	heyenne	Cason	2/23/20	22 7:45:00	AM		Che	l		
Comple	eted By: S	ean Livir	ngston	2/23/20	22 9:06:20	AM		<	5 /	in the	
Review	ved By:	10		2/23	22				~~~		
<u>Chain</u>	of Custoc	<u>dy</u>									
1. Is Ch	hain of Custo	ody compl	ete?			Yes		N	lo 🗌	Not Present	
2. How	was the sam	nple delive	ered?			Cou	rier				
Log Ir	<u>n</u>										
3. Was	an attempt n	made to c	ool the sampl	es?		Yes		N	• 🗆		
4. Were	e all samples	received	at a temperat	ure of >0° C	to 6.0°C	Yes		N	• 🗆		
5. Sam	ple(s) in prop	per contai	ner(s)?			Yes		N	• 🗆		
6. Suffic	cient sample	volume fo	or indicated te	st(s)?		Yes		N			
7. Are sa	amples (exce	ept VOA a	and ONG) pro	perly preserve	ed?	Yes		N			
8. Was p	preservative	added to	bottles?			Yes		N		NA 🗆	
9. Recei	ived at least	1 vial with	headspace ·	<1/4" for AQ \	OA?	Yes		N		NA 🔽	
	e any sample					Yes		N	• •		
										# of preserved bottles checked	
	paperwork n discrepancie					Yes		N	• 🗆	for pH:	-is
			and the second second	of Custody?		Yes		No		(=2 or >12 unless note Adjusted?	a)
	lear what ana			and the second		Yes		N			- 1
14. Were	all holding til , notify custor	mes able	to be met?			Yes			$\overline{\Box}$	Checked by: KPG ZZ	3/2
											di
	Handling			vith this order?	š.	Yes		N	• 🗆	NA 🔽	
	Person Noti				Date:						
	By Whom:	ſ			Via:	∏ eM	ail 🗖	Phone [Fav	In Person	
	Regarding:	Ī					-" []	. none [
	Client Instru	ictions:									
16. Addit	itional remark	ks:									
17. <u>Cool</u>	ler Informati	ion									
	ooler No T	emp ⁰C	Condition	Seal Intact	Seal No	Seal D	ate	Signed	By		
1	1.0		Good								
2	2.3	3	Good								

Page 1 of 1

Client: GHD Address: Mailing Address: 2135 S. Loop 250 W. Midland, TX 79703 Project #: Phone #: (432) 686-0086 [CS74]			1	1					
	ard K Rush 5	Sam			ANAI VCTC	N N	UL	Carl	VCTC I ABODATODY
									NO IN
ā	100 Lobinson B Federal H	leval HI	49	4901 Hawkins NE	vww.r	÷ 1		www.inalleri/vir/ontriental.com ins NE - Albuguergue NM 87109	109
(432) 686-0086		1	Ĕ	Tel. 505-345-3975	45-397		ax 50	Fax 505-345-4107	2
	01141					Anal	sis Re	Analysis Request	
email or Fax#: Becky.Haskell@ghd.com Project Manager:	anager:		-	_		*C	H		
age:	skell		1	s,g;	SM	S '*(-		
Standard	no		120	ЪС	ISC	ЪС	-		
Accreditation:	Heath Boyd		-	_	228	0 ^{5'}			
Other		O No			-	-	10	-	
EDD (Type) # of Coolers:	2 6.7	-0567 m				-		-	_
		3-0-63 cm	100	1.1		-	-		
Date Time Matrix Sample Name Type and #	# Type	ZZD7 ASO	/ ХЭТВ 108:Н91	ed 1808 EDB (Md	d sHAc 8 ASDF	CI' E' B	0200 (A	S) 0728	
7/21/22 900 5 TP13.5 4102 Jar/	1 N/A		1.5			-		0	
905 1 TP13-2 1	,	200	22	-				Q	
910 7713-4		202	x x					e	
930 / 7714-5		604	22				-	R	
935 TP14-2		30	р 7				-	R	
940 TP14.4		Du	もと					e	
1020 TP15-3		400	イイ					R	
102S TPIS- 4		No.	2					Q	
1030 1 TPIS- 8 1	1	1,00	2		1		-	2	
1035 × TP15-12 ×	X	010	r X					×	
Time: Relinquished by:	Via:	pate Time	Rem	arks: Ple	ase en		ese	Settle@eour	Remarks: Please email: Chase Settle@eorresources.com
A C	3	2/12/22 800	Ц	Tom.Lai	son@c	hd.cor	n; Zac	Tom.Larson@ghd.com; Zach.Comino@ghd.com;	ighd.com;
Time: Relinquished by: Received by:	Via:	Date Time	1.0-021.0 2.3-022.3	21.0 21.0	Direct	Bill to	above. EOG (التعاليم المراجع و Direct Bill to EOG Chase Settle	neau



April 14, 2022

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

RE: Robinson B Federal 1

OrderNo.: 2203D53

Hall Environmental Analysis Laboratory

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

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 26 sample(s) on 3/25/2022 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued April 06, 2022.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203D53

Date Reported: 4/14/2022

CLIENT: GHD Midland		Cl	ient S	ample II	D: TP	23-8	
Project: Robinson B Federal 1		(Collec	tion Dat	e: 3/2	23/2022 7:45:00 AM	
Lab ID: 2203D53-001	Matrix: SOIL		Recei	ved Dat	e: 3/2	25/2022 7:23:00 AM	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analys	t: JMT
Chloride	ND	60		mg/Kg	20	3/31/2022 1:58:44 PM	66517
EPA METHOD 8015M/D: DIESEL RAM	NGE ORGANICS					Analys	t: SB
Diesel Range Organics (DRO)	1000	180		mg/Kg	20	3/30/2022 9:13:20 PM	66452
Motor Oil Range Organics (MRO)	1300	920		mg/Kg	20	3/30/2022 9:13:20 PM	66452
Surr: DNOP	0	51.1-141	S	%Rec	20	3/30/2022 9:13:20 PM	66452
EPA METHOD 8015D: GASOLINE RA	NGE					Analys	t: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/28/2022 10:11:00 PN	66412
Surr: BFB	112	37.7-212		%Rec	1	3/28/2022 10:11:00 PM	66412
EPA METHOD 8021B: VOLATILES						Analys	t: BRM
Benzene	ND	0.024		mg/Kg	1	3/28/2022 10:11:00 PN	66412
Toluene	ND	0.049		mg/Kg	1	3/28/2022 10:11:00 PM	66412
Ethylbenzene	ND	0.049		mg/Kg	1	3/28/2022 10:11:00 PM	66412
Xylenes, Total	ND	0.098		mg/Kg	1	3/28/2022 10:11:00 PN	66412
Surr: 4-Bromofluorobenzene	86.1	70-130		%Rec	1	3/28/2022 10:11:00 PN	66412

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

Qualifiers:

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

Page 1 of 36

	Hall Environmental	Analysis	Laboratory.	Inc.
--	--------------------	----------	-------------	------

Lab Order 2203D53

Date Reported: 4/14/2022

CLIENT: GHD Midland Project: Robinson B Federal 1				ample II tion Dat		3-12 3/2022 7:55:00 AM	
Lab ID: 2203D53-002	Matrix: SOIL					5/2022 7:23:00 AM	
Analyses	Result	RL	Qua	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analys	t: JMT
Chloride	89	60		mg/Kg	20	3/31/2022 2:11:06 PM	66517
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS					Analys	t: SB
Diesel Range Organics (DRO)	26000	480		mg/Kg	50	3/30/2022 8:41:37 PM	66452
Motor Oil Range Organics (MRO)	9300	2400		mg/Kg	50	3/30/2022 8:41:37 PM	66452
Surr: DNOP	0	51.1-141	S	%Rec	50	3/30/2022 8:41:37 PM	66452
EPA METHOD 8015D: GASOLINE RAN	IGE					Analys	t: BRM
Gasoline Range Organics (GRO)	5300	100		mg/Kg	20	3/28/2022 11:10:00 PM	66412
Surr: BFB	609	37.7-212	S	%Rec	20	3/28/2022 11:10:00 PM	66412
EPA METHOD 8021B: VOLATILES						Analys	t: BRM
Benzene	37	0.50		mg/Kg	20	3/28/2022 11:10:00 PM	66412
Toluene	240	10		mg/Kg	200	3/29/2022 2:03:00 PM	66412
Ethylbenzene	220	10		mg/Kg	200	3/29/2022 2:03:00 PM	66412
Xylenes, Total	260	2.0		mg/Kg	20	3/28/2022 11:10:00 PM	66412
Surr: 4-Bromofluorobenzene	269	70-130	S	%Rec	20	3/28/2022 11:10:00 PM	66412

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

Qualifiers:

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

Page 2 of 36

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203D53

Date Reported: 4/14/2022

CLIENT: GHD Midland		Cl	ient S	ample II	D: TF	23-16	
Project: Robinson B Federal 1		(Collec	tion Dat	e: 3/2	23/2022 8:10:00 AM	
Lab ID: 2203D53-003	Matrix: SOIL		Recei	ived Dat	e: 3/2	25/2022 7:23:00 AM	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analys	t: JMT
Chloride	200	60		mg/Kg	20	3/31/2022 2:23:27 PM	66517
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS					Analys	t: SB
Diesel Range Organics (DRO)	5400	190		mg/Kg	20	3/30/2022 9:34:32 PM	66452
Motor Oil Range Organics (MRO)	2000	970		mg/Kg	20	3/30/2022 9:34:32 PM	66452
Surr: DNOP	0	51.1-141	S	%Rec	20	3/30/2022 9:34:32 PM	66452
EPA METHOD 8015D: GASOLINE RAN	NGE					Analys	t: BRM
Gasoline Range Organics (GRO)	1100	98		mg/Kg	20	3/28/2022 11:29:00 PM	66412
Surr: BFB	350	37.7-212	S	%Rec	20	3/28/2022 11:29:00 PM	66412
EPA METHOD 8021B: VOLATILES						Analys	t: BRM
Benzene	3.1	0.49		mg/Kg	20	3/28/2022 11:29:00 PM	66412
Toluene	18	0.98		mg/Kg	20	3/28/2022 11:29:00 PM	66412
Ethylbenzene	37	0.98		mg/Kg	20	3/28/2022 11:29:00 PM	66412
Xylenes, Total	46	2.0		mg/Kg	20	3/28/2022 11:29:00 PM	66412
Surr: 4-Bromofluorobenzene	132	70-130	S	%Rec	20	3/28/2022 11:29:00 PM	66412

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

Qualifiers:

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

Page 3 of 36

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203D53

Date Reported: 4/14/2022

CLIENT	GHD Midland	0	Client Sample ID: TP3-19
Project:	Robinson B Federal 1		Collection Date: 3/23/2022 8:35:00 AM
Lab ID:	2203D53-004	Matrix: MEOH (SOIL)	Received Date: 3/25/2022 7:23:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: CAS
Chloride	190	60	mg/Kg	20	3/25/2022 4:47:33 PM	66406
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	t: SB
Diesel Range Organics (DRO)	1200	45	mg/Kg	5	3/28/2022 7:48:02 PM	66403
Motor Oil Range Organics (MRO)	580	220	mg/Kg	5	3/28/2022 7:48:02 PM	66403
Surr: DNOP	68.9	51.1-141	%Rec	5	3/28/2022 7:48:02 PM	66403
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: BRM
Gasoline Range Organics (GRO)	270	62	mg/Kg	20	3/25/2022 5:37:00 PM	C86769
Surr: BFB	205	37.7-212	%Rec	20	3/25/2022 5:37:00 PM	C86769
EPA METHOD 8021B: VOLATILES					Analys	t: BRM
Benzene	0.87	0.31	mg/Kg	20	3/25/2022 5:37:00 PM	D86769
Toluene	3.6	0.62	mg/Kg	20	3/25/2022 5:37:00 PM	D86769
Ethylbenzene	7.9	0.62	mg/Kg	20	3/25/2022 5:37:00 PM	D86769
Xylenes, Total	9.4	1.2	mg/Kg	20	3/25/2022 5:37:00 PM	D86769
Surr: 4-Bromofluorobenzene	108	70-130	%Rec	20	3/25/2022 5:37:00 PM	D86769

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

Qualifiers:

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

Page 4 of 36

.

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203D53

Date Reported: 4/14/2022

CLIENT: GHD Midland			ient Sample II			
Project: Robinson B Federal 1			Collection Dat	e: 3/2	23/2022 9:00:00 AM	
Lab ID: 2203D53-005	Matrix: SOIL		Received Dat	e: 3/2	25/2022 7:23:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JMT
Chloride	ND	60	mg/Kg	20	3/31/2022 2:35:47 PM	66517
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	t: SB
Diesel Range Organics (DRO)	91	50	mg/Kg	5	3/31/2022 2:02:01 PM	66452
Motor Oil Range Organics (MRO)	330	250	mg/Kg	5	3/31/2022 2:02:01 PM	66452
Surr: DNOP	66.1	51.1-141	%Rec	5	3/31/2022 2:02:01 PM	66452
EPA METHOD 8015D: GASOLINE RANG	E				Analys	t: BRM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	3/28/2022 11:49:00 PM	66412
Surr: BFB	103	37.7-212	%Rec	1	3/28/2022 11:49:00 PM	66412
EPA METHOD 8021B: VOLATILES					Analys	t: BRM
Benzene	ND	0.025	mg/Kg	1	3/28/2022 11:49:00 PM	66412
Toluene	ND	0.049	mg/Kg	1	3/28/2022 11:49:00 PM	66412
Ethylbenzene	ND	0.049	mg/Kg	1	3/28/2022 11:49:00 PM	66412
Xylenes, Total	ND	0.098	mg/Kg	1	3/28/2022 11:49:00 PM	66412
Surr: 4-Bromofluorobenzene	81.2	70-130	%Rec	1	3/28/2022 11:49:00 PM	66412

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

* **Qualifiers:**

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

Page 5 of 36

.

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203D53

Date Reported: 4/14/2022

CLIENT: GHD Midland	Client Sample ID: TP5-12							
Project: Robinson B Federal 1	Collection Date: 3/23/2022 9:05:00 AM							
Lab ID: 2203D53-006	Matrix: SOIL		Recei	ived Dat	e: 3/2	25/2022 7:23:00 AM		
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS						Analys	t: CAS	
Chloride	ND	60		mg/Kg	20	4/7/2022 10:29:41 PM	66705	
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS					Analys	t: JME	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	4/8/2022 1:18:22 PM	66670	
Motor Oil Range Organics (MRO)	ND	51		mg/Kg	1	4/8/2022 1:18:22 PM	66670	
Surr: DNOP	94.8	51.1-141		%Rec	1	4/8/2022 1:18:22 PM	66670	
EPA METHOD 8015D: GASOLINE RAN	GE					Analys	t: BRM	
Gasoline Range Organics (GRO)	ND	5.0	н	mg/Kg	1	4/7/2022 12:28:00 PM	66675	
Surr: BFB	100	37.7-212	Н	%Rec	1	4/7/2022 12:28:00 PM	66675	
EPA METHOD 8021B: VOLATILES						Analys	t: BRM	
Benzene	ND	0.025	н	mg/Kg	1	4/7/2022 12:28:00 PM	66675	
Toluene	ND	0.050	н	mg/Kg	1	4/7/2022 12:28:00 PM	66675	
Ethylbenzene	ND	0.050	Н	mg/Kg	1	4/7/2022 12:28:00 PM	66675	
Xylenes, Total	ND	0.10	Н	mg/Kg	1	4/7/2022 12:28:00 PM	66675	
Surr: 4-Bromofluorobenzene	85.9	70-130	Н	%Rec	1	4/7/2022 12:28:00 PM	66675	

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

Qualifiers:

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

Page 6 of 36

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203D53

Date Reported: 4/14/2022

CLIENT: GHD Midland	Client Sample ID: TP2-14							
Project: Robinson B Federal 1	Collection Date: 3/23/2022 9:45:00 AM							
Lab ID: 2203D53-007	Matrix: SOIL		Received Dat	e: 3/2	25/2022 7:23:00 AM			
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analys	t: JMT		
Chloride	500	60	mg/Kg	20	3/31/2022 3:37:30 PM	66517		
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analys	t: SB		
Diesel Range Organics (DRO)	610	48	mg/Kg	5	3/31/2022 2:23:22 PM	66452		
Motor Oil Range Organics (MRO)	690	240	mg/Kg	5	3/31/2022 2:23:22 PM	66452		
Surr: DNOP	88.8	51.1-141	%Rec	5	3/31/2022 2:23:22 PM	66452		
EPA METHOD 8015D: GASOLINE RAN	GE				Analys	t: BRM		
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	3/29/2022 12:09:00 AN	l 66412		
Surr: BFB	98.4	37.7-212	%Rec	1	3/29/2022 12:09:00 AN	l 66412		
EPA METHOD 8021B: VOLATILES					Analys	t: BRM		
Benzene	ND	0.025	mg/Kg	1	3/29/2022 12:09:00 AN	l 66412		
Toluene	ND	0.049	mg/Kg	1	3/29/2022 12:09:00 AN	66412		
Ethylbenzene	ND	0.049	mg/Kg	1	3/29/2022 12:09:00 AN	l 66412		
Xylenes, Total	ND	0.099	mg/Kg	1	3/29/2022 12:09:00 AN	l 66412		
Surr: 4-Bromofluorobenzene	81.1	70-130	%Rec	1	3/29/2022 12:09:00 AN	l 66412		

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

Qualifiers:

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

Page 7 of 36

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203D53

Date Reported: 4/14/2022

CLIENT: GHD Midland	Client Sample ID: TP2-16							
Project: Robinson B Federal 1	Collection Date: 3/23/2022 9:55:00 AM							
Lab ID: 2203D53-008	Matrix: SOIL		Received Dat	e: 3/2	25/2022 7:23:00 AM			
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analys	st: JMT		
Chloride	130	60	mg/Kg	20	3/31/2022 3:49:52 PM	66517		
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analys	st: SB		
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	3/29/2022 11:10:13 PM	1 66452		
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	3/29/2022 11:10:13 PM	1 66452		
Surr: DNOP	73.7	51.1-141	%Rec	1	3/29/2022 11:10:13 PM	1 66452		
EPA METHOD 8015D: GASOLINE RAN	GE				Analys	st: BRM		
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	3/29/2022 12:28:00 AM	1 66412		
Surr: BFB	101	37.7-212	%Rec	1	3/29/2022 12:28:00 AM	1 66412		
EPA METHOD 8021B: VOLATILES					Analys	st: BRM		
Benzene	ND	0.025	mg/Kg	1	3/29/2022 12:28:00 AM	1 66412		
Toluene	ND	0.050	mg/Kg	1	3/29/2022 12:28:00 AM	1 66412		
Ethylbenzene	ND	0.050	mg/Kg	1	3/29/2022 12:28:00 AM	1 66412		
Xylenes, Total	ND	0.099	mg/Kg	1	3/29/2022 12:28:00 AM	1 66412		
Surr: 4-Bromofluorobenzene	83.0	70-130	%Rec	1	3/29/2022 12:28:00 AN	1 66412		

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

Qualifiers:

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

Page 8 of 36

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203D53

Date Reported: 4/14/2022

CLIENT	GHD Midland	Client Sample ID: TP2-	20
Project:	Robinson B Federal 1	Collection Date: 3/23/	2022 10:15:00 AM
Lab ID:	2203D53-009	Matrix: MEOH (SOIL) Received Date: 3/25/	2022 7:23:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	710	60	mg/Kg	20	3/25/2022 4:59:54 PM	66406
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	3/25/2022 12:36:57 PM	66403
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	3/25/2022 12:36:57 PM	66403
Surr: DNOP	103	51.1-141	%Rec	1	3/25/2022 12:36:57 PM	66403
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	3.2	mg/Kg	1	3/25/2022 6:36:00 PM	C86769
Surr: BFB	102	37.7-212	%Rec	1	3/25/2022 6:36:00 PM	C86769
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.016	mg/Kg	1	3/25/2022 6:36:00 PM	D86769
Toluene	ND	0.032	mg/Kg	1	3/25/2022 6:36:00 PM	D86769
Ethylbenzene	ND	0.032	mg/Kg	1	3/25/2022 6:36:00 PM	D86769
Xylenes, Total	ND	0.064	mg/Kg	1	3/25/2022 6:36:00 PM	D86769
Surr: 4-Bromofluorobenzene	84.4	70-130	%Rec	1	3/25/2022 6:36:00 PM	D86769

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

Qualifiers: * Value ex

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

Page 9 of 36

.

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203D53

Date Reported: 4/14/2022

CLIENT: GHD Midland	Client Sample ID: TP7-6							
Project: Robinson B Federal 1	Collection Date: 3/23/2022 10:35:00 AM							
Lab ID: 2203D53-010	Matrix: SOIL		Received Date	e: 3/2	25/2022 7:23:00 AM			
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analys	t: JMT		
Chloride	92	60	mg/Kg	20	3/31/2022 4:02:13 PM	66517		
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS				Analys	t: SB		
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	3/29/2022 11:20:46 PM	66452		
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	3/29/2022 11:20:46 PM	66452		
Surr: DNOP	75.2	51.1-141	%Rec	1	3/29/2022 11:20:46 PM	66452		
EPA METHOD 8015D: GASOLINE RAN	GE				Analys	t: BRM		
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	3/29/2022 12:48:00 AM	66412		
Surr: BFB	102	37.7-212	%Rec	1	3/29/2022 12:48:00 AM	66412		
EPA METHOD 8021B: VOLATILES					Analys	t: BRM		
Benzene	ND	0.025	mg/Kg	1	3/29/2022 12:48:00 AM	66412		
Toluene	ND	0.050	mg/Kg	1	3/29/2022 12:48:00 AM	66412		
Ethylbenzene	ND	0.050	mg/Kg	1	3/29/2022 12:48:00 AM	66412		
Xylenes, Total	ND	0.099	mg/Kg	1	3/29/2022 12:48:00 AM	66412		
Surr: 4-Bromofluorobenzene	82.6	70-130	%Rec	1	3/29/2022 12:48:00 AM	66412		

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

Qualifiers:

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

Page 10 of 36

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203D53

Date Reported: 4/14/2022

CLIENT: GHD Midland	Client Sample ID: TP11-8							
Project: Robinson B Federal 1	Collection Date: 3/23/2022 11:00:00 AM							
Lab ID: 2203D53-012	Matrix: SOIL	25/2022 7:23:00 AM						
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analys	t: JMT		
Chloride	130	60	mg/Kg	20	3/31/2022 4:14:33 PM	66517		
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analys	t: SB		
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	3/29/2022 11:31:19 PM	66452		
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	3/29/2022 11:31:19 PM	66452		
Surr: DNOP	84.2	51.1-141	%Rec	1	3/29/2022 11:31:19 PM	66452		
EPA METHOD 8015D: GASOLINE RANG	Ε				Analys	t: BRM		
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	3/29/2022 1:08:00 AM	66412		
Surr: BFB	99.2	37.7-212	%Rec	1	3/29/2022 1:08:00 AM	66412		
EPA METHOD 8021B: VOLATILES					Analys	t: BRM		
Benzene	ND	0.024	mg/Kg	1	3/29/2022 1:08:00 AM	66412		
Toluene	ND	0.049	mg/Kg	1	3/29/2022 1:08:00 AM	66412		
Ethylbenzene	ND	0.049	mg/Kg	1	3/29/2022 1:08:00 AM	66412		
Xylenes, Total	ND	0.098	mg/Kg	1	3/29/2022 1:08:00 AM	66412		
Surr: 4-Bromofluorobenzene	84.0	70-130	%Rec	1	3/29/2022 1:08:00 AM	66412		

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

Qualifiers:

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

Page 11 of 36

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203D53

Date Reported: 4/14/2022

CLIENT: GHD Midland		Cl	ient Sample II	D: TF	212-8	
Project: Robinson B Federal 1		(Collection Dat	e: 3/2	23/2022 11:30:00 AM	
Lab ID: 2203D53-014	Matrix: SOIL		Received Dat	e: 3/2	25/2022 7:23:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JMT
Chloride	ND	60	mg/Kg	20	3/31/2022 4:26:54 PM	66517
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	t: SB
Diesel Range Organics (DRO)	520	48	mg/Kg	5	3/31/2022 2:44:47 PM	66452
Motor Oil Range Organics (MRO)	980	240	mg/Kg	5	3/31/2022 2:44:47 PM	66452
Surr: DNOP	93.5	51.1-141	%Rec	5	3/31/2022 2:44:47 PM	66452
EPA METHOD 8015D: GASOLINE RANG	E				Analys	t: BRM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	3/29/2022 1:27:00 AM	66412
Surr: BFB	104	37.7-212	%Rec	1	3/29/2022 1:27:00 AM	66412
EPA METHOD 8021B: VOLATILES					Analys	t: BRM
Benzene	ND	0.024	mg/Kg	1	3/29/2022 1:27:00 AM	66412
Toluene	ND	0.049	mg/Kg	1	3/29/2022 1:27:00 AM	66412
Ethylbenzene	ND	0.049	mg/Kg	1	3/29/2022 1:27:00 AM	66412
Xylenes, Total	ND	0.097	mg/Kg	1	3/29/2022 1:27:00 AM	66412
Surr: 4-Bromofluorobenzene	85.2	70-130	%Rec	1	3/29/2022 1:27:00 AM	66412

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

Qualifiers:

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

Page 12 of 36

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203D53

Date Reported: 4/14/2022

CLIENT: GHD Midland Project: Robinson B Federal 1			ient Sample II		212-12 23/2022 11:40:00 AM	
Lab ID: 2203D53-015	Matrix: SOIL Received Date: 3/25/2022 7:23					
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JMT
Chloride	240	60	mg/Kg	20	3/31/2022 4:39:15 PM	66517
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	t: JME
Diesel Range Organics (DRO)	46	9.9	mg/Kg	1	4/1/2022 11:42:50 AM	66452
Motor Oil Range Organics (MRO)	190	50	mg/Kg	1	4/1/2022 11:42:50 AM	66452
Surr: DNOP	100	51.1-141	%Rec	1	4/1/2022 11:42:50 AM	66452
EPA METHOD 8015D: GASOLINE RANGE	E				Analys	t: BRM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	3/29/2022 1:47:00 AM	66412
Surr: BFB	100	37.7-212	%Rec	1	3/29/2022 1:47:00 AM	66412
EPA METHOD 8021B: VOLATILES					Analys	t: BRM
Benzene	ND	0.025	mg/Kg	1	3/29/2022 1:47:00 AM	66412
Toluene	ND	0.049	mg/Kg	1	3/29/2022 1:47:00 AM	66412
Ethylbenzene	ND	0.049	mg/Kg	1	3/29/2022 1:47:00 AM	66412
Xylenes, Total	ND	0.099	mg/Kg	1	3/29/2022 1:47:00 AM	66412
Surr: 4-Bromofluorobenzene	84.8	70-130	%Rec	1	3/29/2022 1:47:00 AM	66412

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

Qualifiers:

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

Page 13 of 36

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203D53

Date Reported: 4/14/2022

CLIENT: GHD Midland		Cl	ient S	ample II	D: TP	212-14	
Project: Robinson B Federal 1		(Collec	tion Dat	e: 3/2	23/2022 11:45:00 AM	
Lab ID: 2203D53-016	Matrix: SOIL		Recei	ived Dat	e: 3/2	25/2022 7:23:00 AM	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analys	t: CAS
Chloride	ND	61		mg/Kg	20	4/7/2022 10:42:01 PM	66705
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analys	t: JME
Diesel Range Organics (DRO)	11	9.8		mg/Kg	1	4/8/2022 1:39:31 PM	66670
Motor Oil Range Organics (MRO)	52	49		mg/Kg	1	4/8/2022 1:39:31 PM	66670
Surr: DNOP	93.3	51.1-141		%Rec	1	4/8/2022 1:39:31 PM	66670
EPA METHOD 8015D: GASOLINE RANGE	Ξ					Analys	t: BRM
Gasoline Range Organics (GRO)	ND	5.0	Н	mg/Kg	1	4/7/2022 12:48:00 PM	66675
Surr: BFB	94.8	37.7-212	Н	%Rec	1	4/7/2022 12:48:00 PM	66675
EPA METHOD 8021B: VOLATILES						Analys	t: BRM
Benzene	ND	0.025	н	mg/Kg	1	4/7/2022 12:48:00 PM	66675
Toluene	ND	0.050	н	mg/Kg	1	4/7/2022 12:48:00 PM	66675
Ethylbenzene	ND	0.050	Н	mg/Kg	1	4/7/2022 12:48:00 PM	66675
Xylenes, Total	ND	0.10	Н	mg/Kg	1	4/7/2022 12:48:00 PM	66675
Surr: 4-Bromofluorobenzene	80.8	70-130	Н	%Rec	1	4/7/2022 12:48:00 PM	66675

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

Qualifiers:

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

Page 14 of 36

Surr: 4-Bromofluorobenzene

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203D53

Date Reported: 4/14/2022

CLIENT: GHD Midland		Cl	ient Sample II	D: TF	P 15-14	
Project: Robinson B Federal 1		(Collection Dat	e: 3/2	23/2022 1:20:00 PM	
Lab ID: 2203D53-017	Matrix: SOIL		25/2022 7:23:00 AM			
Analyses	Result	RL	RL Qual Units		Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: CAS
Chloride	150	60	mg/Kg	20	3/31/2022 7:33:31 PM	66531
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst	: JME
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	4/1/2022 12:14:20 PM	66452
Motor Oil Range Organics (MRO)	76	49	mg/Kg	1	4/1/2022 12:14:20 PM	66452
Surr: DNOP	119	51.1-141	%Rec	1	4/1/2022 12:14:20 PM	66452
EPA METHOD 8015D: GASOLINE RAN	GE				Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	3/29/2022 2:07:00 AM	66412
Surr: BFB	100	37.7-212	%Rec	1	3/29/2022 2:07:00 AM	66412
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.024	mg/Kg	1	3/29/2022 2:07:00 AM	66412
Toluene	ND	0.048	mg/Kg	1	3/29/2022 2:07:00 AM	66412
Ethylbenzene	ND	0.048	mg/Kg	1	3/29/2022 2:07:00 AM	66412
Xylenes, Total	ND	0.095	mg/Kg	1	3/29/2022 2:07:00 AM	66412

84.9

70-130

%Rec

1

3/29/2022 2:07:00 AM

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

* **Qualifiers:**

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

Page 15 of 36

66412

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203D53

Date Reported: 4/14/2022

CLIENT: GHD Midland		Cl	ient Sample II	D: TF	P16-S	
Project: Robinson B Federal 1		(Collection Dat	e: 3/2	23/2022 1:40:00 PM	
Lab ID: 2203D53-019	Matrix: SOIL		Received Dat	e: 3/2	25/2022 7:23:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: CAS
Chloride	ND	61	mg/Kg	20	3/31/2022 7:45:56 PM	66531
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analys	t: SB
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	3/30/2022 10:31:11 AM	66452
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	3/30/2022 10:31:11 AM	66452
Surr: DNOP	92.5	51.1-141	%Rec	1	3/30/2022 10:31:11 AM	66452
EPA METHOD 8015D: GASOLINE RANG	BE				Analys	t: BRM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	3/29/2022 4:05:00 AM	66412
Surr: BFB	98.8	37.7-212	%Rec	1	3/29/2022 4:05:00 AM	66412
EPA METHOD 8021B: VOLATILES					Analys	t: BRM
Benzene	ND	0.025	mg/Kg	1	3/29/2022 4:05:00 AM	66412
Toluene	ND	0.049	mg/Kg	1	3/29/2022 4:05:00 AM	66412
Ethylbenzene	ND	0.049	mg/Kg	1	3/29/2022 4:05:00 AM	66412
Xylenes, Total	ND	0.099	mg/Kg	1	3/29/2022 4:05:00 AM	66412
Surr: 4-Bromofluorobenzene	83.7	70-130	%Rec	1	3/29/2022 4:05:00 AM	66412

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

Qualifiers:

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

Page 16 of 36

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203D53

Date Reported: 4/14/2022

CLIENT: GHD Midland		Cl	ient Sample II	D: TF	216-2	
Project: Robinson B Federal 1		(Collection Dat	e: 3/2	23/2022 1:50:00 PM	
Lab ID: 2203D53-020	Matrix: SOIL		Received Dat	e: 3/2	25/2022 7:23:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: CAS
Chloride	ND	60	mg/Kg	20	3/31/2022 7:58:21 PM	66531
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analys	t: SB
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	3/29/2022 11:41:51 PM	66452
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	3/29/2022 11:41:51 PM	66452
Surr: DNOP	77.4	51.1-141	%Rec	1	3/29/2022 11:41:51 PM	66452
EPA METHOD 8015D: GASOLINE RANG	GE				Analys	t: BRM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	3/29/2022 4:25:00 AM	66412
Surr: BFB	103	37.7-212	%Rec	1	3/29/2022 4:25:00 AM	66412
EPA METHOD 8021B: VOLATILES					Analys	t: BRM
Benzene	ND	0.025	mg/Kg	1	3/29/2022 4:25:00 AM	66412
Toluene	ND	0.050	mg/Kg	1	3/29/2022 4:25:00 AM	66412
Ethylbenzene	ND	0.050	mg/Kg	1	3/29/2022 4:25:00 AM	66412
Xylenes, Total	ND	0.10	mg/Kg	1	3/29/2022 4:25:00 AM	66412
Surr: 4-Bromofluorobenzene	85.5	70-130	%Rec	1	3/29/2022 4:25:00 AM	66412

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

Qualifiers:

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

Page 17 of 36

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203D53

Date Reported: 4/14/2022

CLIENT: GHD Midland		Cl	ient Sa	ample II	D: TP	217-2	
Project: Robinson B Federal 1		(Collect	ion Dat	e: 3/2	23/2022 2:00:00 PM	
Lab ID: 2203D53-021	Matrix: SOIL		Recei	ved Dat	e: 3/2	25/2022 7:23:00 AM	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analys	t: CAS
Chloride	ND	60		mg/Kg	20	3/31/2022 8:10:46 PM	66531
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analys	t: SB
Diesel Range Organics (DRO)	680	99		mg/Kg	10	3/31/2022 3:49:12 PM	66452
Motor Oil Range Organics (MRO)	1200	490		mg/Kg	10	3/31/2022 3:49:12 PM	66452
Surr: DNOP	0	51.1-141	S	%Rec	10	3/31/2022 3:49:12 PM	66452
EPA METHOD 8015D: GASOLINE RANGE	E					Analys	t: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/29/2022 4:45:00 AM	66412
Surr: BFB	102	37.7-212		%Rec	1	3/29/2022 4:45:00 AM	66412
EPA METHOD 8021B: VOLATILES						Analys	t: BRM
Benzene	ND	0.025		mg/Kg	1	3/29/2022 4:45:00 AM	66412
Toluene	ND	0.050		mg/Kg	1	3/29/2022 4:45:00 AM	66412
Ethylbenzene	ND	0.050		mg/Kg	1	3/29/2022 4:45:00 AM	66412
Xylenes, Total	ND	0.099		mg/Kg	1	3/29/2022 4:45:00 AM	66412
Surr: 4-Bromofluorobenzene	85.4	70-130		%Rec	1	3/29/2022 4:45:00 AM	66412

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

Qualifiers:

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

Page 18 of 36

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203D53

Date Reported: 4/14/2022

CLIENT: GHD Midland Project: Robinson B Federal 1	Matrice SOII		23/2022 2:10:00 PM				
Lab ID: 2203D53-022 Analyses	Matrix: SOIL	RL		Units		5/2022 7:23:00 AM Date Analyzed	Batch
EPA METHOD 300.0: ANIONS			C			Analysi	
Chloride	ND	60		mg/Kg	20	3/31/2022 8:23:11 PM	66531
EPA METHOD 8015M/D: DIESEL RANG	BE ORGANICS					Analys	t: SB
Diesel Range Organics (DRO)	2400	480		mg/Kg	50	3/30/2022 7:59:16 PM	66452
Motor Oil Range Organics (MRO)	3800	2400		mg/Kg	50	3/30/2022 7:59:16 PM	66452
Surr: DNOP	0	51.1-141	S	%Rec	50	3/30/2022 7:59:16 PM	66452
EPA METHOD 8015D: GASOLINE RAN	GE					Analys	t: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/29/2022 5:04:00 AM	66412
Surr: BFB	96.9	37.7-212		%Rec	1	3/29/2022 5:04:00 AM	66412
EPA METHOD 8021B: VOLATILES						Analys	t: BRM
Benzene	ND	0.025		mg/Kg	1	3/29/2022 5:04:00 AM	66412
Toluene	ND	0.050		mg/Kg	1	3/29/2022 5:04:00 AM	66412
Ethylbenzene	ND	0.050		mg/Kg	1	3/29/2022 5:04:00 AM	66412
Xylenes, Total	ND	0.10		mg/Kg	1	3/29/2022 5:04:00 AM	66412
Surr: 4-Bromofluorobenzene	80.4	70-130		%Rec	1	3/29/2022 5:04:00 AM	66412

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

Qualifiers:

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

Page 19 of 36

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203D53

Date Reported: 4/14/2022

CLIENT: GHD Midland		Cli	ient Sample II	D: TP	217-8		
Project: Robinson B Federal 1		(Collection Dat	e: 3/2	23/2022 2:20:00 PM		
Lab ID: 2203D53-023	Matrix: SOIL Received Date: 3/25/2022 7:23:00 AM						
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analys	t: CAS	
Chloride	ND	60	mg/Kg	20	3/31/2022 9:00:25 PM	66531	
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analys	t: ED	
Diesel Range Organics (DRO)	310	9.9	mg/Kg	1	3/31/2022 9:16:15 PM	66474	
Motor Oil Range Organics (MRO)	800	49	mg/Kg	1	3/31/2022 9:16:15 PM	66474	
Surr: DNOP	111	51.1-141	%Rec	1	3/31/2022 9:16:15 PM	66474	
EPA METHOD 8015D: GASOLINE RANG	SE				Analys	t: NSB	
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	3/29/2022 8:02:07 AM	66414	
Surr: BFB	95.1	37.7-212	%Rec	1	3/29/2022 8:02:07 AM	66414	
EPA METHOD 8021B: VOLATILES					Analys	t: NSB	
Benzene	ND	0.025	mg/Kg	1	3/29/2022 8:02:07 AM	66414	
Toluene	ND	0.049	mg/Kg	1	3/29/2022 8:02:07 AM	66414	
Ethylbenzene	ND	0.049	mg/Kg	1	3/29/2022 8:02:07 AM	66414	
Xylenes, Total	ND	0.098	mg/Kg	1	3/29/2022 8:02:07 AM	66414	
Surr: 4-Bromofluorobenzene	96.0	70-130	%Rec	1	3/29/2022 8:02:07 AM	66414	

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

Qualifiers:

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

Page 20 of 36

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203D53

Date Reported: 4/14/2022

CLIENT: GHD Midland		Cl	ient Sample II	D: TF	217-10	
Project: Robinson B Federal 1		(Collection Dat	e: 3/2	23/2022 2:30:00 PM	
Lab ID: 2203D53-024	Matrix: SOIL		Received Dat	e: 3/2	25/2022 7:23:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: CAS
Chloride	ND	61	mg/Kg	20	3/31/2022 9:37:38 PM	66531
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	3/30/2022 12:03:44 PM	66474
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	3/30/2022 12:03:44 PM	66474
Surr: DNOP	118	51.1-141	%Rec	1	3/30/2022 12:03:44 PM	66474
EPA METHOD 8015D: GASOLINE RANG	GE				Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	3/29/2022 9:12:51 AM	66414
Surr: BFB	95.2	37.7-212	%Rec	1	3/29/2022 9:12:51 AM	66414
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.024	mg/Kg	1	3/29/2022 9:12:51 AM	66414
Toluene	ND	0.048	mg/Kg	1	3/29/2022 9:12:51 AM	66414
Ethylbenzene	ND	0.048	mg/Kg	1	3/29/2022 9:12:51 AM	66414
Xylenes, Total	ND	0.096	mg/Kg	1	3/29/2022 9:12:51 AM	66414
Surr: 4-Bromofluorobenzene	96.9	70-130	%Rec	1	3/29/2022 9:12:51 AM	66414

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

Qualifiers:

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

Page 21 of 36

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203D53

Date Reported: 4/14/2022

CLIENT: GHD Midland			ient Sample II			
Project: Robinson B Federal 1		(23/2022 2:40:00 PM	
Lab ID: 2203D53-025	Matrix: SOIL		Received Dat	e: 3/2	25/2022 7:23:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: CAS
Chloride	ND	60	mg/Kg	20	3/31/2022 9:50:02 PM	66531
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	4/1/2022 12:54:22 AM	66474
Motor Oil Range Organics (MRO)	90	50	mg/Kg	1	4/1/2022 12:54:22 AM	66474
Surr: DNOP	77.1	51.1-141	%Rec	1	4/1/2022 12:54:22 AM	66474
EPA METHOD 8015D: GASOLINE RANG	BE				Analys	t: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	3/29/2022 10:23:20 AM	66414
Surr: BFB	99.1	37.7-212	%Rec	1	3/29/2022 10:23:20 AM	66414
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	0.051	0.025	mg/Kg	1	3/29/2022 10:23:20 AM	66414
Toluene	ND	0.050	mg/Kg	1	3/29/2022 10:23:20 AM	66414
Ethylbenzene	ND	0.050	mg/Kg	1	3/29/2022 10:23:20 AM	66414
Xylenes, Total	ND	0.099	mg/Kg	1	3/29/2022 10:23:20 AM	66414
Surr: 4-Bromofluorobenzene	98.7	70-130	%Rec	1	3/29/2022 10:23:20 AM	66414

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

* **Qualifiers:**

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

Page 22 of 36

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203D53

Date Reported: 4/14/2022

CLIENT: GHD Midland		Cli	ient Sample II	D: TF	218-2	
Project: Robinson B Federal 1		(Collection Dat	e: 3/2	23/2022 2:50:00 PM	
Lab ID: 2203D53-026	Matrix: SOIL		Received Dat	e: 3/2	25/2022 7:23:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	: CAS
Chloride	ND	60	mg/Kg	20	3/31/2022 10:02:27 PM	66531
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analys	: ED
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	3/30/2022 12:52:24 PM	66474
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	3/30/2022 12:52:24 PM	66474
Surr: DNOP	92.4	51.1-141	%Rec	1	3/30/2022 12:52:24 PM	66474
EPA METHOD 8015D: GASOLINE RANG	θE				Analys	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	3/29/2022 10:46:45 AM	66414
Surr: BFB	97.5	37.7-212	%Rec	1	3/29/2022 10:46:45 AM	66414
EPA METHOD 8021B: VOLATILES					Analys	: NSB
Benzene	ND	0.024	mg/Kg	1	3/29/2022 10:46:45 AM	66414
Toluene	ND	0.049	mg/Kg	1	3/29/2022 10:46:45 AM	66414
Ethylbenzene	ND	0.049	mg/Kg	1	3/29/2022 10:46:45 AM	66414
Xylenes, Total	ND	0.097	mg/Kg	1	3/29/2022 10:46:45 AM	66414
Surr: 4-Bromofluorobenzene	99.6	70-130	%Rec	1	3/29/2022 10:46:45 AM	66414

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

Qualifiers:

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

Page 23 of 36

Client:

QC SUMMARY REPORT Hall Environmental

	WO#:	2203D53
nmental Analysis Laboratory, Inc.		14-Apr-22
GHD Midland		

Project:	Robir	nson B Federal 1	
Sample ID:	MB-66406	SampType: mblk	TestCode: EPA Method 300.0: Anions
Client ID:	PBS	Batch ID: 66406	RunNo: 86792
Prep Date:	3/25/2022	Analysis Date: 3/25/2022	SeqNo: 3065727 Units: mg/Kg
Analyte		Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride		ND 1.5	
Sample ID:	LCS-66406	SampType: Ics	TestCode: EPA Method 300.0: Anions
Client ID:	LCSS	Batch ID: 66406	RunNo: 86792
Prep Date:	3/25/2022	Analysis Date: 3/25/2022	SeqNo: 3065735 Units: mg/Kg
Analyte		Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride		14 1.5 15.00	0 90.1 90 110
Sample ID:	MB-66517	SampType: mblk	TestCode: EPA Method 300.0: Anions
Client ID:	PBS	Batch ID: 66517	RunNo: 86869
Prep Date:	3/30/2022	Analysis Date: 3/30/2022	SeqNo: 3068868 Units: mg/Kg
Analyte		Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride		ND 1.5	
Sample ID:	LCS-66517	SampType: Ics	TestCode: EPA Method 300.0: Anions
Client ID:	LCSS	Batch ID: 66517	RunNo: 86869
Prep Date:	3/30/2022	Analysis Date: 3/30/2022	SeqNo: 3068869 Units: mg/Kg
Analyte		Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride		14 1.5 15.00	0 94.6 90 110
Sample ID:	MB-66531	SampType: mblk	TestCode: EPA Method 300.0: Anions
Client ID:	PBS	Batch ID: 66531	RunNo: 86885
Prep Date:	3/31/2022	Analysis Date: 3/31/2022	SeqNo: 3070543 Units: mg/Kg
Analyte		Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride		ND 1.5	
Sample ID:	LCS-66531	SampType: Ics	TestCode: EPA Method 300.0: Anions
Client ID:	LCSS	Batch ID: 66531	RunNo: 86885
onone ib.			
Prep Date:	3/31/2022	Analysis Date: 3/31/2022	SeqNo: 3070544 Units: mg/Kg
	3/31/2022		SeqNo: 3070544 Units: mg/Kg SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Qualifiers:

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

Page 24 of 36

Client: Project:		D Midland inson B Federal 1								
Sample ID:	MB-66705	SampType: r	nblk	Tes	tCode: EP	A Method	300.0: Anions			
Client ID:	PBS	Batch ID: 6	6705	F	RunNo: 87	092				
Prep Date:	4/7/2022	Analysis Date:	4/7/2022	S	SeqNo: 30 7	78859	Units: mg/K	g		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND 1.	5							
Sample ID:	LCS-66705	SampType: I	cs	Tes	tCode: EP	A Method	300.0: Anions	i		
Client ID:	LCSS	Batch ID: 6	6705	F	RunNo: 87	092				
Prep Date:	4/7/2022	Analysis Date:	4/7/2022	S	SeqNo: 30 7	78860	Units: mg/K	g		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14 1.	5 15.00	0	91.0	90	110			

Qualifiers:

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

Page 25 of 36

2203D53

14-Apr-22

WO#:

GHD Midland

Client:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Sur: DNOP 3.9 5.000 77.9 51.1 141 Sample ID: MB-66403 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PBS Batch ID: 66403 RunNo: 86774 Prep Date: 3/25/2022 Analysis Date: 3/25/2022 SeqNo: 3064239 Units: mg/Kg Analyte Result PQL SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Diesel Range Organics (DRO) ND 10 Jood 88.6 51.1 141 Jood 201 SampType: MS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: TP3-19 Batch ID: 66403 RunNo: 86781 SampType: MS TestCode: EPA Method 8015M/D: Diesel Range Organics Qual Sample ID: 2203D53-004AMS SampType: MS TestCode: EPA Method 8015M/D: Diesel Range Organics SampType: MS SampType: MS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: TP3-19 Batch ID: 66403 RunNo: 86781 SampType: MS SampType	Project: Robins	on B Federal 1					
Client ID: LCSS Batch ID: 66403 RunNo: 86774 Prep Date: 3/25/2022 Analysis Date: 3/25/2022 SeqNo:: 3/064237 Units:: mg/Kg Analyte Result POL SPK value	Sample ID: LCS-66403	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range (Organics		
Prep Date: 3/25/2022 Analysis Date: 3/25/2022 SeqNo: 3064237 Units: mg/Kg Analyte Result PQL SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Diesel Range Organics (DRO) 44 10 \$5.000 0 87.4 68.9 135 Sur: DNOP 3.9 5.000 77.9 51.1 141 Sample ID: MB-66403 SampType: MBLK TestCode:: EPA Method 8015M/D: Diesel Range Organics Clank Client ID: PBS Batch ID: 66403 RunNo: 86774 Malyte Qual Qual Qual Qual Qual Qual Qual Qual Qual Qual Qual Qual Qual Qual Qual Qual Qual Qual Qual Qual Qual Qual Qual <td></td> <td></td> <td></td> <td></td> <td>- 3</td>					- 3		
Analyte Result PQL SPK Value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Diesel Range Organics (DR0) 44 10 50.00 77.9 51.1 141 Surr. DNOP 3.9 5.000 77.9 51.1 141 Sample ID: MB-66403 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Clant Client ID: PBS Batch ID: 66403 RunNo: 86774 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Method 8015M/D: Diesel Range Organics (DR0) ND 10 0 88.6 51.1 141 Sample ID: 203D53-004AMS SampType: MS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: 6403 RunNo: 86781 Prep Date: 3/25/2022				Units: ma/Ka			
Diesel Range Organics (DRO) 44 10 50.00 77.9 51.1 135 Surr. DNOP 3.9 5.000 77.9 51.1 141 Same DNOP Batch ID: 66403 RunNo: 86774 Bittin ID: 66403 RunNo: 8671 Prep Date: y25/2022 Analysis Date: 3/25/2022 SeqNo: 3064239 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Diesel Range Organics Client ID: TP3-19 Batch ID: 66403 RunNo: 86731 Prep Date: 3/25/2022 Analysis Date: 3/28/2022 SeqNo: 3065103 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual S Surr DNOP 0.63 <t< td=""><td></td><td></td><td></td><td>0 0</td><td>RPDI imit Qual</td></t<>				0 0	RPDI imit Qual		
Sample ID: MB-66403 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PBS Batch ID: 66403 RunNo: 86774 Prep Date: 3/25/2022 Analysis Date: 3/25/2022 SeqNo: 3064239 Units: mg/Kg Analyte Result PQL SPK Nalue SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Diesel Range Organics (INRO) ND 10 Mathod 8015M/D: Diesel Range Organics Sur: DNOP 8.9 10.00 88.6 51.1 141 Sample ID: 2203D53-004AMS SampType: MS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: TP3-19 Batch ID: 66403 RunNo: 86731 S Prep Date: 3/25/2022 Analysis Date: 3/28/2022 SeqNo: 3065103 Units: mg/Kg	Diesel Range Organics (DRO)			0			
Client ID: PBS Batch ID: 66403 RunNo: 86774 Prep Date: 3/25/2022 Analysis Date: 3/25/2022 SeqNo: 3064239 Units: mg/Kg Analyte Result PQL SPK value SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Mady te Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Mady te Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Mather Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Malyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Malyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Malyte	Surr: DNOP	3.9 5.000	77.9 51.1	141			
Prep Date: 3/25/2022 Analysis Date: 3/25/2022 SeqNo: 3064239 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Diesel Range Organics (DRO) ND 10 Mark HighLimit %RPD RPDLimit Qual Mator Oli Range Organics (MRO) ND 50 Secondary	Sample ID: MB-66403	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range (Organics		
Analyte Result PQL SPK value SPK Ref Val %REC LowLinit HighLimit %RPD RPDLimit Qual Diesel Range Organics (DRO) ND 10	Client ID: PBS	Batch ID: 66403	RunNo: 86774				
Diesel Range Organics (DRO) ND 10 Aldor Oli Range Organics (MRO) ND 50 Surr. DNOP 8.9 10.00 88.6 51.1 141 Sample ID: 2203D53-004AMS SampType: MS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: TP3-19 Batch ID: 66403 RunNo: 86781 Prep Date: 3/25/2022 Analysis Date: 3/28/2022 SeqNo: 3065103 Units: mg/Kg Analyte Result PQL SPK kalue SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Diesel Range Organics (DRO) 1300 43 42.66 1194 315 36.1 154 S Surr: DNOP 0.63 4.266 144.7 51.1 141 S Sample ID: 2203D53-004AMSD SampType: MSD TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: TP3-19 Batch ID: 66403 RunNo: 86781 Prep Date: 3/25/2	Prep Date: 3/25/2022	Analysis Date: 3/25/2022	SeqNo: 3064239	Units: mg/Kg			
Ideor Oil Range Organics (MRO) ND 50 Surr: DNOP 8.9 10.00 88.6 51.1 141 Sample ID: 2203D53-004AMS SampType: MS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: TP3-19 Batch ID: 66403 RunNo: 86781 Prep Date: 3/25/2022 Analysis Date: 3/28/2022 Seq No: 3065103 Units: mg/Kg Analyte Result PQL SPK value SPK ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Diesel Range Organics (DRO) 1300 4.3 4.2.66 1194 315 36.1 154 S Surr: DNOP 0.63 4.2.66 1194 315 36.1 154 S Sample ID: 2203D53-004AMSD SampType: MSU TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: TP3-19 Batch ID: 66403 RunNo: 86781 Prep Date: 3/25/2022 Analysis Date: 3/28/2022	Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual		
Surr: DNOP 8.9 10.00 88.6 51.1 141 Sample ID: 2203D53-004AMS SampType: MS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: TP3-19 Batch ID: 66403 RunNo: 86781 Prep Date: 3/25/2022 Analysis Date: 3/28/2022 SeqNo: 3065103 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Diesel Range Organics (DRO) 1300 43 42.66 1194 315 36.1 154 S Surr: DNOP 0.63 4.266 1194 315 36.1 141 S Sample ID: 2203D53-004AMSD SampType: MSD TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: TP3-19 Batch ID: 66403 RunNo: 86781 Units: mg/Kg Analyte Result PQL SPK	Diesel Range Organics (DRO)						
Sample ID: 2203D53-004AMS SampType: MS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: TP3-19 Batch ID: 66403 RunNo: 86781 Prep Date: 3/25/2022 Analysis Date: 3/28/2022 SeqNo: 3065103 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Diesel Range Organics (DRO) 1300 43 42.66 1194 315 36.1 154 S Surr. DNOP 0.63 4.266 14.7 51.1 141 S Sample ID: 2203D53-004AMSD SampType: MSD TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: TP3-19 Batch ID: 66403 RunNo: 86781 Prep Date: 3/25/2022 Analysis Date: 3/28/2022 SeqNo: 3065104 Units: mg/Kg Analyte Result PQL SPK value SPK Re			00.0 54.4				
Client ID: TP3-19 Batch ID: 66403 RunNo: 86781 Prep Date: 3/25/2022 Analysis Date: 3/28/2022 SeqNo: 3065103 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Diesel Range Organics (DRO) 1300 43 42.66 1194 315 36.1 154 S Surr: DNOP 0.63 4.266 14.7 51.1 141 S S Sample ID: 2203D53-004AMSD SampType: MSD TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: TestCode: EPA Method 8015M/D: Diesel Range Organics Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Diesel Range Organics (DRO) 1400 50 49.75 1194 321 36.1 154 1.87 33.9 S Sur:: DNOP 3.7 4.975 75.3 51.1		8.9 10.00	88.6 51.1	141			
Prep Date: 3/25/2022 Analysis Date: 3/28/2022 SeqNo: 3065103 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Diesel Range Organics (DRO) 1300 43 42.66 1194 315 36.1 154 S Surr: DNOP 0.63 4.266 1194 315 36.1 141 S Sample ID: 2203D53-004AMSD SampType: MSD TestCode: EPA Method 8015M/D: Diesel Range Organics S Client ID: TP3-19 Batch ID: 66403 RunNo: 86781 Qual Prep Date: 3/25/2022 Analysis Date: 3/28/2022 SeqNo: 3065104 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Diesel Range Organics (DRO) 1400 50 49.75 <td>Sample ID: 2203D53-004AM</td> <td></td> <td>TestCode: EPA Method</td> <td>8015M/D: Diesel Range (</td> <td>Drganics</td>	Sample ID: 2203D53-004AM		TestCode: EPA Method	8015M/D: Diesel Range (Drganics		
Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Diesel Range Organics (DRO) 1300 43 42.66 1194 315 36.1 154 S Surr: DNOP 0.63 4.266 1194 315 36.1 154 S Sample ID: 2203D53-004AMSD SampType: MSD TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: TP3-19 Batch ID: 66403 RunNo: 86781 Prep Date: 3/25/2022 Analysis Date: 3/28/2022 SeqNo: 3065104 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Diesel Range Organics (DRO) 1400 50 49.75 1194 321 36.1 154 1.87 33.9 S Surr: DNOP 3.7 4.975 75.3 51.1 141 <td>Client ID: TP3-19</td> <td>Batch ID: 66403</td> <td>RunNo: 86781</td> <td></td> <td></td>	Client ID: TP3-19	Batch ID: 66403	RunNo: 86781				
Diesel Range Organics (DRO) 1300 43 42.66 1194 315 36.1 154 S Surr: DNOP 0.63 4.266 14.7 51.1 141 S Sample ID: 2203D53-004AMSD SampType: MSD TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: TP3-19 Batch ID: 66403 RunNo: 86781 Prep Date: 3/25/2022 Analysis Date: 3/28/2022 SeqNo: 3065104 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Diesel Range Organics (DRO) 1400 50 49.75 1194 321 36.1 154 1.87 33.9 S Surr: DNOP 3.7 4.975 75.3 51.1 141 0 0 Sample ID: LCS-66443 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics <t< td=""><td>Prep Date: 3/25/2022</td><td>Analysis Date: 3/28/2022</td><td>SeqNo: 3065103</td><td>Units: mg/Kg</td><td></td></t<>	Prep Date: 3/25/2022	Analysis Date: 3/28/2022	SeqNo: 3065103	Units: mg/Kg			
Surr: DNOP 0.63 4.266 14.7 51.1 141 S Sample ID: 2203D53-004AMSD SampType: MSD TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: TP3-19 Batch ID: 66403 RunNo: 86781 Prep Date: 3/25/2022 Analysis Date: 3/28/2022 SeqNo: 3065104 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Diesel Range Organics (DRO) 1400 50 49.75 1194 321 36.1 154 1.87 33.9 S Surr: DNOP 3.7 4.975 75.3 51.1 141 0 0 0 Sample ID: LCS-66443 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics E Client ID: LCSS Batch ID: 66443 RunNo: 86803 E E E E E <td>Analyte</td> <td>Result PQL SPK value</td> <td>SPK Ref Val %REC LowLimit</td> <td>HighLimit %RPD</td> <td>RPDLimit Qual</td>	Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual		
Sample ID: 2203D53-004AMSD SampType: MSD TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: TP3-19 Batch ID: 66403 RunNo: 86781 Prep Date: 3/25/2022 Analysis Date: 3/28/2022 SeqNo: 3065104 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Diesel Range Organics (DRO) 1400 50 49.75 1194 321 36.1 154 1.87 33.9 S Surr: DNOP 3.7 4.975 75.3 51.1 141 0 0 0 Sample ID: LCSs Batch ID: 66443 RunNo: 86803 Prep Date: 3/28/2022 Analysis Date: 3/29/2022 SeqNo: 3066791 Units: %Rec Analyte Result PQL SPK value SPK Ref Val %REC L	• • • • •						
Client ID: TP3-19 Batch ID: 66403 RunNo: 86781 Prep Date: 3/25/2022 Analysis Date: 3/28/2022 SeqNo: 3065104 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Diesel Range Organics (DRO) 1400 50 49.75 1194 321 36.1 154 1.87 33.9 S Surr: DNOP 3.7 4.975 75.3 51.1 141 0 0 Sample ID: LCS-66443 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 66443 RunNo: 86803 Prep Date: 3/28/2022 Analysis Date: 3/29/2022 SeqNo: 3066791 Units: %Rec Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Surr: DNOP 5.0 5.000 101 51.1 141	Surr: DNOP	0.63 4.266	14./ 51.1	141	S		
Prep Date:3/25/2022Analysis Date:3/28/2022SeqNo::3065104Units:mg/KgAnalyteResultPQLSPK valueSPK Ref Val%RECLowLimitHighLimit%RPDRPDLimitQualDiesel Range Organics (DRO)14005049.75119432136.11541.8733.9SSurr: DNOP3.74.97575.351.1141000Sample ID:LCS-66443SampType:LCSTestCode:EPA Method 8015M/D: Diesel Range OrganicsClient ID:LCSSBatch ID:66443RunNo:86803Prep Date:3/28/2022Analysis Date:3/29/2022SeqNo:3066791Units:%RecAnalyteResultPQLSPK valueSPK Ref Val%RECLowLimitHighLimit%RPDRPDLimitSurr: DNOP5.05.00010151.1141141141	Sample ID: 2203D53-004AM	ISD SampType: MSD	TestCode: EPA Method	8015M/D: Diesel Range (Organics		
AnalyteResultPQLSPK valueSPK Ref Val%RECLowLimitHighLimit%RPDRPDLimitQualDiesel Range Organics (DRO)14005049.75119432136.11541.8733.9SSurr: DNOP3.74.97575.351.1141000Sample ID:LCS-66443SampType:LCSTestCode:EPA Method 8015M/D:Diesel Range OrganicsClient ID:LCSSBatch ID:66443RunNo:86803Prep Date:3/28/2022Analysis Date:3/29/2022SeqNo:3066791Units:%RecAnalyteResultPQLSPK valueSPK Ref Val%RECLowLimitHighLimit%RPDRPDLimitQualSurr: DNOP5.05.00010151.1141141141	Client ID: TP3-19	Batch ID: 66403	RunNo: 86781				
Diesel Range Organics (DRO) 1400 50 49.75 1194 321 36.1 154 1.87 33.9 S Surr: DNOP 3.7 4.975 75.3 51.1 141 0 0 Sample ID: LCS-66443 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 66443 RunNo: 86803 Prep Date: 3/28/2022 Analysis Date: 3/29/2022 SeqNo: 30666791 Units: %Rec Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Surr: DNOP 5.0 5.000 101 51.1 141 141 141	Prep Date: 3/25/2022	Analysis Date: 3/28/2022	SeqNo: 3065104	Units: mg/Kg			
Surr: DNOP3.74.97575.351.114100Sample ID:LCS-66443SampType:LCSTestCode:EPA Method 8015M/D:Diesel Range OrganicsClient ID:LCSSBatch ID:66443RunNo:86803Prep Date:3/28/2022Analysis Date:3/29/2022SeqNo:3066791Units:%RecAnalyteResultPQLSPK valueSPK Ref Val%RECLowLimitHighLimit%RPDRPDLimitQualSurr: DNOP5.05.00010151.1141141141141	Analyte			0	RPDLimit Qual		
Sample ID: LCS-66443 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 66443 RunNo: 86803 Prep Date: 3/28/2022 Analysis Date: 3/29/2022 SeqNo: 3066791 Units: %Rec Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Surr: DNOP 5.0 5.000 101 51.1 141							
Client ID: LCSS Batch ID: 66443 RunNo: 86803 Prep Date: 3/28/2022 Analysis Date: 3/29/2022 SeqNo: 3066791 Units: %Rec Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Surr: DNOP 5.0 5.000 101 51.1 141		3.7 4.975	75.3 51.1	141 0	U		
Prep Date: 3/28/2022 Analysis Date: 3/29/2022 SeqNo: 3066791 Units: %Rec Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Surr: DNOP 5.0 5.000 101 51.1 141	Sample ID: LCS-66443	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range (Drganics		
Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Surr: DNOP 5.0 5.000 101 51.1 141	Client ID: LCSS	Batch ID: 66443	RunNo: 86803				
Surr: DNOP 5.0 5.000 101 51.1 141	Prep Date: 3/28/2022	Analysis Date: 3/29/2022	SeqNo: 3066791	Units: %Rec			
	Analyte			0	RPDLimit Qual		
Sample ID: LCS-66452 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics	Surr: DNOP	5.0 5.000	101 51.1	141			
	Sample ID: LCS-66452	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range (Organics		
Client ID: LCSS Batch ID: 66452 RunNo: 86803	Client ID: LCSS	Batch ID: 66452	RunNo: 86803				
Prep Date: 3/28/2022 Analysis Date: 3/29/2022 SeqNo: 3066792 Units: mg/Kg	Prep Date: 3/28/2022	Analysis Date: 3/29/2022	SeqNo: 3066792	Units: mg/Kg			
Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual	Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual		

Qualifiers:

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

Page 26 of 36

WO#: 2203D53 14-Apr-22

GHD Midland

Client:

QC SUMMARY REPORT Hall Environmental Analysis

s Laboratory, Inc.	WO#:	2203D53 14-Apr-22
		-

Project: Robinso	n B Federal 1								
Sample ID: LCS-66452	SampType: LCS		Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: LCSS	Batch ID: 66452		F	RunNo: 86	6803				
Prep Date: 3/28/2022	Analysis Date: 3/29/2	2022	S	SeqNo: 30	066792	Units: mg/K	g		
Analyte	Result PQL S	PK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46 10	50.00	0	92.0	68.9	135			
Surr: DNOP	4.6	5.000		91.8	51.1	141			
Sample ID: MB-66443	SampType: MBLK	(Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: PBS	Batch ID: 66443		F	RunNo: 86	6803				
Prep Date: 3/28/2022	Analysis Date: 3/29/2	2022	5	SeqNo: 30	066795	Units: %Red	;		
Analyte	Result PQL S	PK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10	10.00		99.6	51.1	141			
Sample ID: MB-66452	SampType: MBLK	(Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: PBS	Batch ID: 66452		F	RunNo: 86	5803				
Prep Date: 3/28/2022	Analysis Date: 3/29/2	2022	S	SeqNo: 30	066796	Units: mg/K	g		
Analyte	Result PQL S	PK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND 10								
Notor Oil Range Organics (MRO)	ND 50								
Surr: DNOP	12	10.00		117	51.1	141			
Sample ID: LCS-66474	SampType: LCS		Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: LCSS	Batch ID: 66474		F	RunNo: 86	6875				
Prep Date: 3/29/2022	Analysis Date: 3/30/2	2022	8	SeqNo: 30	069217	Units: mg/K	g		
Analyte	Result PQL S	PK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42 10	50.00	0	83.9	68.9	135			
Surr: DNOP	4.1	5.000		81.3	51.1	141			
Sample ID: MB-66474	SampType: MBLK	K	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: PBS	Batch ID: 66474		F	RunNo: 86	6875				
Prep Date: 3/29/2022	Analysis Date: 3/30/2	2022	5	SeqNo: 30	069218	Units: mg/K	g		
Analyte	Result PQL S	PK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND 10								
Notor Oil Range Organics (MRO)	ND 50								
Surr: DNOP	9.7	10.00		97.2	51.1	141			

Qualifiers:

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

Page 27 of 36

WO#:	2203D53
	14-Apr-22

Client:	GHD Mid	land									
Project:	Robinson	B Federal	1								
Sample ID:	LCS-66507	SampT	ype: LC	S	Tes	tCode: EP	A Method	8015M/D: Dies	sel Range	Organics	
Client ID:	LCSS	Batch	ID: 66	507	F	RunNo: 86	887				
Prep Date:	3/30/2022	Analysis D	ate: 3/ 3	31/2022	S	SeqNo: 30	69715	Units: %Rec			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		3.8		5.000		75.1	51.1	141			
Sample ID:	MB-66507	SampT	ype: ME	BLK	Tes	tCode: EP	A Method	8015M/D: Dies	sel Range	Organics	
Client ID:	PBS	Batch	ID: 66	507	F	RunNo: 86	6887				
Prep Date:	3/30/2022	Analysis D	ate: 3/ :	31/2022	S	SeqNo: 30	69718	Units: %Rec			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		8.9		10.00		88.8	51.1	141			
Sample ID:	2203D53-023AMS	SampT	ype: MS	6	Tes	tCode: EP	PA Method	8015M/D: Dies	sel Range	Organics	
Client ID:	TP17-8	Batch	ID: 664	474	F	RunNo: 86	6904				
Prep Date:	3/29/2022	Analysis D	ate: 3/ :	31/2022	S	SeqNo: 30	70210	Units: mg/Kg	9		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
-	Organics (DRO)	320	9.7	48.45	314.6	17.4	36.1	154			S
Surr: DNOP		5.1		4.845		105	51.1	141			
Sample ID:	2203D53-023AMSD	SampT	ype: MS	SD	Tes	tCode: EP	PA Method	8015M/D: Dies	sel Range	Organics	
Client ID:	TP17-8	Batch	ID: 664	474	F	RunNo: 86	5904				
Prep Date:	3/29/2022	Analysis D	ate: 3/:	31/2022	5	SeqNo: 30	070211	Units: mg/K	9		
Analyte											
Niasal Panao (Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
-	Organics (DRO)	310	PQL 9.9	49.31	SPK Ref Val 314.6	-8.27	36.1	154	3.95	33.9	Qual S
Surr: DNOP		310 5.2	9.9	49.31 4.931	314.6	-8.27 105	36.1 51.1	154 141	3.95 0	33.9 0	
Surr: DNOP Sample ID:	LCS-66670	310 5.2 SampT	9.9 ype: LC	49.31 4.931	314.6 Tes	-8.27 105 tCode: EP	36.1 51.1 PA Method	154	3.95 0	33.9 0	
Surr: DNOP Sample ID: Client ID:	LCS-66670 LCSS	310 5.2 SampT Batch	9.9 ype: LC ID: 666	49.31 4.931 S 670	314.6 Tes F	-8.27 105 tCode: EF RunNo: 87	36.1 51.1 PA Method	154 141 8015M/D: Dies	3.95 0 sel Range	33.9 0	
Surr: DNOP Sample ID:	LCS-66670	310 5.2 SampT	9.9 ype: LC ID: 666	49.31 4.931 S 670	314.6 Tes F	-8.27 105 tCode: EP	36.1 51.1 PA Method	154 141	3.95 0 sel Range	33.9 0	
Surr: DNOP Sample ID: Client ID: Prep Date: Analyte	LCS-66670 LCSS 4/6/2022	310 5.2 SampTy Batch Analysis D Result	9.9 ype: LC ID: 666 ate: 4/ PQL	49.31 4.931 \$ 670 7/2022 SPK value	314.6 Tes F SPK Ref Val	-8.27 105 tCode: EF RunNo: 87 SeqNo: 30 %REC	36.1 51.1 PA Method 7064 978634 LowLimit	154 141 8015M/D: Dies Units: mg/Kg HighLimit	3.95 0 sel Range	33.9 0	
Surr: DNOP Sample ID: Client ID: Prep Date: Analyte Diesel Range (LCS-66670 LCSS 4/6/2022 Drganics (DRO)	310 5.2 SampTy Batch Analysis D Result 47	9.9 ype: LC ID: 666 ate: 4/	49.31 4.931 S 670 7/2022 SPK value 50.00	314.6 Tes F	-8.27 105 tCode: EP RunNo: 87 SeqNo: 30 %REC 93.0	36.1 51.1 2'A Method 7064 1078634 LowLimit 68.9	154 141 8015M/D: Dies Units: mg/Kg HighLimit 135	3.95 0 sel Range	33.9 0 Organics	S
Surr: DNOP Sample ID: Client ID: Prep Date: Analyte Diesel Range (Surr: DNOP	LCS-66670 LCSS 4/6/2022 Drganics (DRO)	310 5.2 SampTy Batch Analysis D Result 47 5.1	9.9 ype: LC ID: 666 ate: 4/ PQL 10	49.31 4.931 S 570 7/2022 SPK value 50.00 5.000	314.6 Tes F SPK Ref Val 0	-8.27 105 tCode: EP RunNo: 87 SeqNo: 30 %REC 93.0 101	36.1 51.1 24 Method 7064 178634 LowLimit 68.9 51.1	154 141 8015M/D: Dies Units: mg/Kg HighLimit 135 141	3.95 0 sel Range 9 %RPD	33.9 0 Organics RPDLimit	S
Surr: DNOP Sample ID: Client ID: Prep Date: Analyte Diesel Range (Surr: DNOP Sample ID:	LCS-66670 LCSS 4/6/2022 Drganics (DRO) MB-66670	310 5.2 SampTy Batch Analysis D Result 47 5.1 SampTy	9.9 ype: LC ID: 666 ate: 4/ PQL 10 ype: ME	49.31 4.931 55 570 7/2022 50.00 5.000 5.000	314.6 Tes F SPK Ref Val 0 Tes	-8.27 105 tCode: EF RunNo: 87 SeqNo: 30 %REC 93.0 101 tCode: EF	36.1 51.1 2A Method 7064 178634 LowLimit 68.9 51.1 2A Method	154 141 8015M/D: Dies Units: mg/Kg HighLimit 135	3.95 0 sel Range 9 %RPD	33.9 0 Organics RPDLimit	S
Surr: DNOP Sample ID: Client ID: Prep Date: Analyte Diesel Range (Surr: DNOP Sample ID: Client ID:	LCS-66670 LCSS 4/6/2022 Drganics (DRO) MB-66670 PBS	310 5.2 SampTy Batch Analysis D Result 47 5.1 SampTy Batch	9.9 ype: LC ID: 666 ate: 4/ PQL 10 ype: ME	49.31 4.931 S 670 7/2022 SPK value 50.00 5.000 BLK 670	314.6 Tes F SPK Ref Val 0 Tes F	-8.27 105 tCode: EP RunNo: 87 SeqNo: 30 %REC 93.0 101 tCode: EP RunNo: 87	36.1 51.1 24 Method 7064 778634 LowLimit 68.9 51.1 24 Method 7064	154 141 8015M/D: Dies Units: mg/Kg HighLimit 135 141 8015M/D: Dies	3.95 0 sel Range %RPD sel Range	33.9 0 Organics RPDLimit	S
Surr: DNOP Sample ID: Client ID: Prep Date: Analyte Diesel Range (Surr: DNOP Sample ID: Client ID: Prep Date:	LCS-66670 LCSS 4/6/2022 Drganics (DRO) MB-66670	310 5.2 SampTy Batch Analysis D Result 47 5.1 SampTy Batch Analysis D	9.9 ype: LC ID: 666 ate: 4/ PQL 10 ype: ME ID: 666 ate: 4/	49.31 4.931 5670 7/2022 SPK value 50.00 5.000 3LK 670 7/2022	314.6 Tes SPK Ref Val 0 Tes F	-8.27 105 tCode: EF RunNo: 87 SeqNo: 30 %REC 93.0 101 tCode: EF RunNo: 87 SeqNo: 30	36.1 51.1 24 Method 7064 778634 LowLimit 68.9 51.1 24 Method 7064 778637	154 141 8015M/D: Dies Units: mg/Kg HighLimit 135 141 8015M/D: Dies Units: mg/Kg	3.95 0 sel Range %RPD sel Range	33.9 0 Organics RPDLimit Organics	S
Surr: DNOP Sample ID: Client ID: Prep Date: Analyte Diesel Range (Surr: DNOP Sample ID: Client ID: Prep Date: Analyte	LCS-66670 LCSS 4/6/2022 Drganics (DRO) MB-66670 PBS	310 5.2 SampTy Batch Analysis D Result 47 5.1 SampTy Batch	9.9 ype: LC ID: 666 ate: 4/ PQL 10 ype: ME	49.31 4.931 5670 7/2022 SPK value 50.00 5.000 3LK 670 7/2022	314.6 Tes F SPK Ref Val 0 Tes F	-8.27 105 tCode: EP RunNo: 87 SeqNo: 30 %REC 93.0 101 tCode: EP RunNo: 87	36.1 51.1 24 Method 7064 778634 LowLimit 68.9 51.1 24 Method 7064	154 141 8015M/D: Dies Units: mg/Kg HighLimit 135 141 8015M/D: Dies	3.95 0 sel Range %RPD sel Range	33.9 0 Organics RPDLimit	S

Qualifiers:

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

Client:	GI	ID Midland								
Project:	Ro	binson B Federal 1								
Sample ID:	MB-66670	SampType	e: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID:	PBS	Batch ID	D: 66670	R	RunNo: 87	064				
Prep Date:	4/6/2022	Analysis Date	e: 4/7/2022	S	GeqNo: 30	78637	Units: mg/Kg	J		
Analyte		Result F	PQL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		8.7	10.00		87.2	51.1	141			
Sample ID:	MB-66715	SampTyp	e: MBLK	Tes	tCode: EP	A Method	8015M/D: Dies	el Range	Organics	
Client ID:	PBS	Batch ID	D: 66715	R	RunNo: 87	125				
Prep Date:	4/7/2022	Analysis Date	e: 4/8/2022	S	SeqNo: 30	80356	Units: %Rec			
Analyte		Result F	PQL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		11	10.00		110	51.1	141			
Sample ID:	LCS-66715	SampTyp	e: LCS	Tes	tCode: EP	A Method	8015M/D: Dies	el Range	Organics	
Client ID:	LCSS	Batch ID	D: 66715	R	RunNo: 87	125				
Prep Date:	4/7/2022	Analysis Date	e: 4/8/2022	S	SeqNo: 30	80358	Units: %Rec			
Analyte		Result F	PQL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		4.7	5.000		93.1	51.1	141			

Qualifiers:

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

Page 29 of 36

WO#: 2203D53 14-Apr-22

Page 126 of 182

Client:

Project:

Prep Date:

Surr: BFB

Prep Date:

Surr: BFB

Analyte

Sample ID: mb Client ID:

Analyte

Sample ID: 2.5ug gro Ics

Gasoline Range Organics (GRO)

PBS

Gasoline Range Organics (GRO)

Client ID: LCSS

QC SUMMARY R Hall Environmental A

	REP Analy	-	aborato	ory, Inc.					WO#:	2203D53 14-Apr-22
GHD Mi Robinsor	dland 1 B Federal	11								
gro Ics	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8015D: Gaso	line Range		
	Batch	n ID: C8	6769	F	RunNo: 8	6769				
	Analysis D	Date: 3/ 2	25/2022	5	SeqNo: 30	064025	Units: mg/K	g		
	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
cs (GRO)	27	5.0	25.00	0	106	72.3	137			
	2100		1000		215	37.7	212			S
	SampT	уре: МЕ	BLK	Tes	tCode: EF	PA Method	8015D: Gaso	line Range		
	Batch	n ID: C8	6769	F	RunNo: 8	6769				
	Analysis D	Date: 3/ 2	25/2022	5	SeqNo: 30	064026	Units: mg/K	g		
	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
cs (GRO)	ND	5.0								
	1000		1000		101	37.7	212			
412	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8015D: Gaso	line Range	•	
	Batch	n ID: 664	412	F	RunNo: 8	6795				

Sample ID: Ics-66412	SampType:	LCS	Tes	stCode: EP	A Method	8015D: Gasol	line Range	•		
Client ID: LCSS	Batch ID:	66412	F	RunNo: 86	795					
Prep Date: 3/25/2022	Analysis Date:	3/28/2022	Ś	SeqNo: 30	65000	Units: mg/K	g			
Analyte	Result PQ	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	31 5	5.0 25.00	0	124	72.3	137				
Surr: BFB	2300	1000		231	37.7	212			S	
Sample ID: mb-66412	SampType:	MBLK	Tes	stCode: EP	A Method	8015D: Gasol	line Range)		
	Batch ID:	66/12	F		705					

Client ID: PBS	Batch ID: 66412	RunNo: 86795	
Prep Date: 3/25/2022	Analysis Date: 3/28/2022	SeqNo: 3065001	Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Gasoline Range Organics (GRO)	ND 5.0		
Surr: BFB	1100 1000	109 37.7	212
Sample ID: Ics-66421	SampType: LCS	TestCode: EPA Method	8015D: Gasoline Range
Client ID: LCSS	Batch ID: 66421	RunNo: 86795	
Prep Date: 3/27/2022	Analysis Date: 3/28/2022	SeqNo: 3065002	Units: %Rec
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Surr: BFB	2300 1000	227 37.7	212 S
Sample ID: mb-66421	SampType: MBLK	TestCode: EPA Method	8015D: Gasoline Range
Client ID: PBS	Batch ID: 66421	RunNo: 86795	
Prep Date: 3/27/2022	Analysis Date: 3/28/2022	SeqNo: 3065003	Units: %Rec
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Surr: BFB	1100 1000	105 37.7	212

Qualifiers:

Value exceeds Maximum Contaminant Level. *

D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

Analyte detected in the associated Method Blank в

Е Estimated value

J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit Page 30 of 36

2203D53	WO#:
14-Apr-22	

Client: GHD Mid Project: Robinson	dland B Federal	1									
Sample ID: mb-66414	SampT	уре: МЕ	BLK	Tes	stCode: EF	PA Method	8015D: Gasoli	ne Range	1		
Client ID: PBS	Batch	n ID: 664	414	RunNo: 86824							
Prep Date: 3/25/2022	Analysis D	Date: 3/2	29/2022	\$	SeqNo: 3	066190	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	ND	5.0									
Surr: BFB	990		1000		99.4	37.7	212				
Sample ID: Ics-66414	SampT	ype: LC	S	Tes	stCode: EF	PA Method	8015D: Gasoli	ne Range	1		
Client ID: LCSS	Batch	n ID: 664	414	F	RunNo: 8	6824					
Prep Date: 3/25/2022	Analysis D	Date: 3/2	29/2022	:	Units: mg/Kg	9					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	26	5.0	25.00	0	104	72.3	137				
Surr: BFB	2000		1000		204	37.7	212				
Sample ID: 2203d53-023ams	SampT	ype: MS	5	Tes	stCode: EF	PA Method	8015D: Gasoli	ne Range	1		
Client ID: TP17-8	Batch	n ID: 664	414	F	RunNo: 80	6824					
Prep Date: 3/25/2022	Analysis D	Date: 3/2	29/2022	:	SeqNo: 30	066193	Units: mg/Kg	9			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	26	5.0	24.80	0	107	70	130				
Surr: BFB	2000		992.1		199	37.7	212				
Sample ID: 2203d53-023amsd	SampT	уре: МS	D	Tes	stCode: EF	PA Method	8015D: Gasoli	ne Range	!		
Client ID: TP17-8	Batch	n ID: 664	414	RunNo: 86824							
Prep Date: 3/25/2022	Analysis D	Date: 3/2	29/2022	\$	SeqNo: 3	066194	Units: mg/Kg	J			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	25	5.0	24.90	0	101	70	130	4.60	20		
Surr: BFB	2000		996.0		198	37.7	212	0	0		
Sample ID: Ics-66420	SampT	ype: LC	S	Tes	stCode: EF	PA Method	8015D: Gasoli	ne Range	1		
Client ID: LCSS	Batch	n ID: 664	420	F	RunNo: 8	6835					
Prep Date: 3/27/2022	Analysis D	Date: 3/2	29/2022	\$	SeqNo: 30	067119	Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: BFB	2300		1000		234	37.7	212			S	
Sample ID: mb-66420	SampT	уре: МЕ	BLK	Tes	stCode: EF	PA Method	8015D: Gasoli	ne Range			
Client ID: PBS		n ID: 664			RunNo: 8			5			
Prep Date: 3/27/2022	Analysis D	Date: 3/2	29/2022		SeqNo: 3		Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: BFB	980		1000		97.9	37.7	212				

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 31 of 36

	HD Midland Obinson B Feder	al 1								
Sample ID: Ics-66675		oType: LC	-				8015D: Gaso	line Range	9	
Client ID: LCSS Prep Date: 4/6/2022		ch ID: 660 Date: 4/			RunNo: 87 SeqNo: 3(Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO) 28	5.0	25.00	0	113	72.3	137			
Surr: BFB	2200		1000		219	37.7	212			S
Sample ID: mb-6667	5 Samp	Type: ME	BLK	Tes	tCode: EF	PA Method	8015D: Gaso	line Range	•	
Client ID: PBS	Bat	ch ID: 66	675	F	RunNo: 87	7084				
Prep Date: 4/6/2022	Analysis	Date: 4/	7/2022	S	SeqNo: 3(078371	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO) ND	5.0								
Surr: BFB	1100		1000		109	37.7	212			

Qualifiers:

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

Page 32 of 36

WO#: 2203D53 14-Apr-22

Page 129 of 182

GHD Midland

Robinson B Federal 1

Client:

Project:

Toluene

Ethylbenzene

Xylenes, Total

Qualifiers:

Sample ID: 100ng btex lcs

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

SampType: LCS

Value exceeds Maximum Contaminant Level.	
Sample Diluted Due to Matrix	

14

18

41

12

0.62

0.62

1.2

12.35

12.35

37.04

12.35

D Н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit ND PQL Practical Quanitative Limit

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

Surr: 4-Bromofluorobenzene

в Analyte detected in the associated Method Blank

84.3

83.6

84.8

99.8

73.6

72.7

75.7

70

124

129

126

130

4.81

5.54

4.31

0

Е Estimated value

3.616

7.903

9.417

J Analyte detected below quantitation limits Sample pH Not In Range Р

RL Reporting Limit Page 33 of 36

20

20

20

0

TestCode: EPA Method 8021B: Volatiles

WO#: 2203D53 14-Apr-22

	•	•	•••								
Client ID:	LCSS	Batcl	h ID: D8	6769	F	RunNo: 8	6769				
Prep Date:		Analysis [Date: 3/ 3	25/2022	S	SeqNo: 3	064035	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.89	0.025	1.000	0	88.6	80	120			
Toluene		0.91	0.050	1.000	0	90.6	80	120			
Ethylbenzene		0.92	0.050	1.000	0	91.8	80	120			
Xylenes, Total		2.8	0.10	3.000	0	91.9	80	120			
Surr: 4-Brom	ofluorobenzene	0.88		1.000		88.3	70	130			
Sample ID:	mb	Samp	Гуре: МЕ	BLK	Tes	tCode: EF	PA Method	8021B: Volati	es		
Client ID:	PBS	Batcl	h ID: D8	6769	F	RunNo: 8	6769				
Prep Date:		Analysis [Date: 3/ 2	25/2022	S	SeqNo: 3	064036	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		ND	0.025								
Toluene		ND	0.050								
Ethylbenzene		ND	0.050								
Xylenes, Total		ND	0.10								
Surr: 4-Brom	ofluorobenzene	0.86		1.000		86.1	70	130			
Sample ID:	2203d53-004a ms	Samp	Гуре: МS	6	Tes	tCode: EF	PA Method	8021B: Volati	es		
Client ID:	TP3-19	Batcl	h ID: D8	6769	F	RunNo: 8	6769				
Prep Date:		Analysis [Date: 3/ 2	25/2022	5	SeqNo: 30	064040	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		12	0.31	12.35	0.8743	86.9	68.8	120			
Toluene		15	0.62	12.35	3.616	89.9	73.6	124			
Ethylbenzene		19	0.62	12.35	7.903	92.0	72.7	129			
Xylenes, Total		43	1.2	37.04	9.417	89.6	75.7	126			
Surr: 4-Brom	ofluorobenzene	13		12.35		103	70	130			
Sample ID:	2203D53-004A MS	D Samp1	Гуре: МS	SD.	Tes	tCode: EF	PA Method	8021B: Volati	es		
Client ID:	TP3-19	Batcl	h ID: D8	6769	F	RunNo: 8	6769				
Prep Date:		Analysis [Date: 3/ 2	25/2022	S	SeqNo: 30	064041	Units: mg/K	g		
Analyte		Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		11	0.31	12.35	0.8743	82.6	68.8	120	4.72	20	



WO#:	2203D53

14-Apr-22

Client: Project:	GHD Mic Robinson	dland B Federa	11									
Sample ID:	lcs-66412	Samp	Type: LC	S	Tes	tCode: EP	A Method	8021B: Volati	es			
Client ID:	LCSS	Batc	h ID: 664	12	F	RunNo: 86						
Prep Date:	3/25/2022	Analysis [Date: 3/ 2	28/2022	5	SeqNo: 30	65042	Units: mg/Kg				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene		0.85	0.025	1.000	0	85.3	80	120				
Toluene		0.89	0.050	1.000	0	88.9	80	120				
Ethylbenzene		0.90	0.050	1.000	0	89.9	80	120				
Xylenes, Total		2.7	0.10	3.000	0	89.6	80	120				
Surr: 4-Brom	ofluorobenzene	0.86		1.000		85.8	70	130				
Sample ID:	mb-66412	Samp	Туре: МВ	LK	Tes	tCode: EP	A Method	8021B: Volati	es			
Client ID:	PBS	Batc	h ID: 664	12	F	RunNo: 86	6795					
Prep Date:	3/25/2022	Analysis [Date: 3/2	28/2022	S	SeqNo: 30	65043	Units: mg/K	g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene		ND	0.025									
Toluene		ND	0.050									
Ethylbenzene		ND	0.050									
Xylenes, Total		ND	0.10									
Surr: 4-Brom	ofluorobenzene	0.87		1.000		86.9	70	130				
Sample ID:	lcs-66421	Samp	Type: LC	s	Tes	tCode: EP	A Method	8021B: Volati	es			
Client ID:	LCSS	Batc	h ID: 664	21	F	RunNo: 86	6795					
Prep Date:	3/27/2022	Analysis [Date: 3/ 2	28/2022	S	SeqNo: 30	65044	Units: %Rec				
Analyte												
C		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: 4-Brom	ofluorobenzene	Result 0.88	PQL	SPK value 1.000	SPK Ref Val	%REC 88.0	LowLimit 70	HighLimit 130	%RPD	RPDLimit	Qual	
Surr: 4-Brom		0.88	PQL	1.000		88.0	70	8		RPDLimit	Qual	
Sample ID:		0.88 Samp ⁻		1.000	Tes	88.0	70 PA Method	130		RPDLimit	Qual	
Sample ID:	mb-66421	0.88 Samp ⁻	Type: MB h ID: 66 4	1.000 BLK 21	Tes	88.0 tCode: EP	70 PA Method	130	les	RPDLimit	Qual	
Sample ID: Client ID:	mb-66421 PBS	0.88 Samp ⁻ Batc	Type: MB h ID: 66 4	1.000 BLK 121 28/2022	Tes	88.0 tCode: EF RunNo: 86	70 PA Method	130 8021B: Volati Units: %Rec	les	RPDLimit	Qual	
Sample ID: Client ID: Prep Date: Analyte	mb-66421 PBS	0.88 Samp Batc Analysis [Type: MB h ID: 664 Date: 3/2	1.000 BLK 121 28/2022	Tes F S	88.0 tCode: EF RunNo: 86 SeqNo: 30	70 PA Method 5 5795 565045	130 8021B: Volati	les			
Sample ID: Client ID: Prep Date: Analyte	mb-66421 PBS 3/27/2022 ofluorobenzene	0.88 Samp Batc Analysis I Result 0.88	Type: MB h ID: 664 Date: 3/2	1.000 SLK 121 28/2022 SPK value 1.000	Tes F S SPK Ref Val	88.0 tCode: EF RunNo: 86 SeqNo: 30 %REC 87.6	70 PA Method 5 5795 065045 LowLimit 70	130 8021B: Volati Units: %Rec HighLimit	les %RPD			
Sample ID: Client ID: Prep Date: Analyte Surr: 4-Brom Sample ID:	mb-66421 PBS 3/27/2022 ofluorobenzene	0.88 Samp Batc Analysis I Result 0.88 Samp	Type: MB h ID: 66 4 Date: 3/2 PQL	1.000 SLK 121 28/2022 SPK value 1.000	Tes F SPK Ref Val Tes	88.0 tCode: EF RunNo: 86 SeqNo: 30 %REC 87.6	70 PA Method 5 5795 065045 LowLimit 70 PA Method 5	130 8021B: Volati Units: %Rec HighLimit 130	les %RPD			
Sample ID: Client ID: Prep Date: Analyte Surr: 4-Brom Sample ID:	mb-66421 PBS 3/27/2022 ofluorobenzene mb-66414	0.88 Samp Batc Analysis I Result 0.88 Samp	Type: MB h ID: 664 Date: 3/2 PQL Type: MB h ID: 664	1.000 SLK 121 28/2022 SPK value 1.000 SLK 114	Tes F SPK Ref Val Tes F	88.0 tCode: EF RunNo: 86 SeqNo: 30 %REC 87.6 tCode: EF	70 PA Method 5 5795 065045 LowLimit 70 PA Method 5 5824	130 8021B: Volati Units: %Rec HighLimit 130	les %RPD les			
Sample ID: Client ID: Prep Date: Analyte Surr: 4-Brom Sample ID: Client ID: Prep Date:	mb-66421 PBS 3/27/2022 oofluorobenzene mb-66414 PBS	0.88 Samp Batc Analysis I Result 0.88 Samp Batc	Type: MB h ID: 664 Date: 3/2 PQL Type: MB h ID: 664	1.000 3LK 28/2022 SPK value 1.000 3LK 114 29/2022	Tes F SPK Ref Val Tes F	88.0 tCode: EF RunNo: 86 SeqNo: 30 %REC 87.6 tCode: EF RunNo: 86 SeqNo: 30	70 PA Method 5 5795 065045 LowLimit 70 PA Method 5 5824	130 8021B: Volati Units: %Rec HighLimit 130 8021B: Volati	les %RPD les			
Sample ID: Client ID: Prep Date: Analyte Surr: 4-Brom Sample ID: Client ID: Prep Date: Analyte	mb-66421 PBS 3/27/2022 oofluorobenzene mb-66414 PBS	0.88 Samp Batc Analysis I Result 0.88 Samp Batc Analysis I	Type: MB h ID: 664 Date: 3/2 PQL Type: MB h ID: 664 Date: 3/2	1.000 3LK 28/2022 SPK value 1.000 3LK 114 29/2022	Tes F SPK Ref Val Tes F	88.0 tCode: EF RunNo: 86 SeqNo: 30 %REC 87.6 tCode: EF RunNo: 86 SeqNo: 30	70 PA Method 5 5795 065045 LowLimit 70 PA Method 5 5824 066238	130 8021B: Volati Units: %Rec HighLimit 130 8021B: Volati Units: mg/K	les %RPD les	RPDLimit	Qual	
Sample ID: Client ID: Prep Date: Analyte Surr: 4-Brom Sample ID: Client ID: Prep Date: Analyte Benzene	mb-66421 PBS 3/27/2022 oofluorobenzene mb-66414 PBS	0.88 Samp Batc Analysis I Result 0.88 Samp Batc Analysis I Result	Type: MB h ID: 664 Date: 3/2 PQL Type: MB h ID: 664 Date: 3/2 PQL 0.025	1.000 3LK 28/2022 SPK value 1.000 3LK 114 29/2022	Tes F SPK Ref Val Tes F	88.0 tCode: EF RunNo: 86 SeqNo: 30 %REC 87.6 tCode: EF RunNo: 86 SeqNo: 30	70 PA Method 5 5795 065045 LowLimit 70 PA Method 5 5824 066238	130 8021B: Volati Units: %Rec HighLimit 130 8021B: Volati Units: mg/K	les %RPD les	RPDLimit	Qual	
Sample ID: Client ID: Prep Date: Analyte Surr: 4-Brom Sample ID: Client ID: Prep Date:	mb-66421 PBS 3/27/2022 oofluorobenzene mb-66414 PBS	0.88 Samp Batc Analysis I Result 0.88 Samp Batc Analysis I Result ND	Type: MB h ID: 664 Date: 3/2 PQL Type: MB h ID: 664 Date: 3/2 PQL	1.000 3LK 28/2022 SPK value 1.000 3LK 114 29/2022	Tes F SPK Ref Val Tes F	88.0 tCode: EF RunNo: 86 SeqNo: 30 %REC 87.6 tCode: EF RunNo: 86 SeqNo: 30	70 PA Method 5 5795 065045 LowLimit 70 PA Method 5 5824 066238	130 8021B: Volati Units: %Rec HighLimit 130 8021B: Volati Units: mg/K	les %RPD les	RPDLimit	Qual	

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

B Analyte detected in the associated Method Blank

WO#:	220	3D53
	·	

14-Apr-22

Client: Project:	GHD Mid Robinson		11										
Sample ID:	mb-66414	SampT	Гуре: МЕ	BLK	Tes	tCode: EF	PA Method	8021B: Volatil	les				
Client ID:	PBS	Batcl	h ID: 664	14	RunNo: 86824								
Prep Date:	3/25/2022	Analysis [Date: 3/2	29/2022	S	SeqNo: 30	066238	Units: mg/Kg					
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Surr: 4-Bron	nofluorobenzene	0.99		1.000		98.8	70	130					
Sample ID:	LCS-66414	Samp	Гуре: LC	s	Tes	tCode: EF	PA Method	8021B: Volatil	les				
Client ID:	LCSS	Batcl	h ID: 664	114	F	RunNo: 86	6824						
Prep Date:	3/25/2022	Analysis [Date: 3/ 2	29/2022	S	SeqNo: 30	066239	Units: mg/Kg	g				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene		0.81	0.025	1.000	0	81.2	80	120					
Toluene		0.84	0.050	1.000	0	84.1	80	120					
Ethylbenzene		0.86	0.050	1.000	0	86.1	80	120					
Xylenes, Total		2.6	0.10	3.000	0	86.3	80	120					
Surr: 4-Bron	nofluorobenzene	0.99		1.000		99.0	70	130					
Sample ID:	2203d53-024ams	SampT	Гуре: МS	;	Tes	tCode: EF	PA Method	8021B: Volatil	les				
Client ID:	TP17-10	Batcl	h ID: 664	14	F	RunNo: 86							
Prep Date:	3/25/2022	Analysis [Date: 3/2	29/2022	5	SeqNo: 30	066242	Units: mg/Kg					
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene		0.79	0.024	0.9756	0	81.2	68.8	120					
Toluene		0.83	0.049	0.9756	0	85.6	73.6	124					
Ethylbenzene		0.85	0.049	0.9756	0.01077	85.7	72.7	129					
Xylenes, Total		2.6	0.098	2.927	0	87.4	75.7	126					
Surr: 4-Bron	nofluorobenzene	0.99		0.9756		101	70	130					
Sample ID:	2203d53-024amsd	Samp	Гуре: МS	D	Tes	tCode: EF	PA Method	8021B: Volatil	les				
Client ID:	TP17-10	Batcl	h ID: 664	114	F	RunNo: 86824							
Prep Date:	3/25/2022	Analysis [Date: 3/ 2	29/2022	S	SeqNo: 30	066243	Units: mg/K	g				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene		0.78	0.024	0.9653	0	80.6	68.8	120	1.72	20			
Toluene		0.81	0.048	0.9653	0	84.2	73.6	124	2.72	20			
Ethylbenzene		0.83	0.048	0.9653	0.01077	85.3	72.7	129	1.53	20			
Xylenes, Total		2.5	0.097	2.896	0	86.6	75.7	126	2.00	20			
Surr: 4-Bron	nofluorobenzene	0.98		0.9653		101	70	130	0	0			
Sample ID:	lcs-66420	Samp	Гуре: LC	s	Tes	tCode: EF	PA Method	8021B: Volatil	les				
Client ID:	LCSS	Batcl	h ID: 664	120	F	RunNo: 86	6835						
Prep Date:	3/27/2022	Analysis [Date: 3/2	29/2022	S	SeqNo: 30	067166	Units: %Rec					

Qualifiers:

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

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 35 of 36

WO#:	2203D53
	14 4

14-Apr-22

Client: Project:	GHD M Robinse	lidland on B Federal	1								
Sample ID:		·	ype: LC	-				8021B: Volati	les		
Client ID:	LCSS	Batch	n ID: 664	120	F	RunNo: 86	6835				
Prep Date:	3/27/2022	Analysis D)ate: 3/2	29/2022	5	SeqNo: 30	067166	Units: %Rec			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Brom	nofluorobenzene	0.81		1.000		81.3	70	130			
Sample ID:	mb-66420	SampT	уре: МВ	BLK	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID:	PBS	Batch	n ID: 664	120	F	RunNo: 86	6835				
Prep Date:	3/27/2022	Analysis D)ate: 3/2	29/2022	S	SeqNo: 30	067167	Units: %Rec			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Brom	nofluorobenzene	0.82		1.000		81.7	70	130			
Sample ID:	lcs-66675	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID:	LCSS	Batch	n ID: 666	675	F	RunNo: 87	7084				
Prep Date:	4/6/2022	Analysis D	Date: 4/7	7/2022	S	SeqNo: 30	078399	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.88	0.025	1.000	0	87.6	80	120			
Toluene		0.88	0.050	1.000	0	88.1	80	120			
Ethylbenzene		0.89	0.050	1.000	0	89.0	80	120			
Xylenes, Total		2.7	0.10	3.000	0	88.9	80	120			
Surr: 4-Brom	nofluorobenzene	0.89		1.000		89.4	70	130			
Sample ID:	mb-66675	SampT	уре: МВ	BLK	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID:	PBS	Batch	n ID: 666	675	F	RunNo: 87	7084				
Prep Date:	4/6/2022	Analysis D	Date: 4/7	7/2022	S	SeqNo: 30	078400	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		ND	0.025								
Toluene		ND	0.050								
Ethylbenzene		ND	0.050								
Xylenes, Total		ND	0.10								
Surr: 4-Brom	nofluorobenzene	0.91		1.000		91.2	70	130			

Qualifiers:

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

PQL Practical Quanitative Limit

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

RL Reporting Limit

ENV	4/2022 4:5 IRONMEN LYSIS ORATORY		TEL: 5	Nvironmental Albu 105-345-3975 ite: clients.hai	Page 13				
Client Name:	GHD Mid	and	Work Ore	der Number:	220	3D53			RcptNo: 1
Received By:	Cheyenr	ie Cason	3/25/2022	7:23:00 AM			Chen	L	
Completed By	Cheyenr	ne Cason	3/25/2022	7:56:38 AM			Chen Chen	1	
Reviewed By:	Sur	3/25/2	2				Che.		
Chain of Cu	istody								
1. Is Chain of	Custody com	plete?			Yes	~	No		Not Present
2. How was th	e sample deli	ivered?			Clier	<u>nt</u>			
Log In									
3. Was an atte	empt made to	cool the sam	ples?		Yes		No		
4. Were all sar	nples receive	d at a temper	ature of >0° C to 6	.0°C	Yes	~	No		
5. Sample(s) i	n proper conta	ainer(s)?			Yes		No		
6. Sufficient sa	mple volume	for indicated	test(s)?		fes	~	No		
			roperly preserved?		res		No	-	
8. Was preserv					res		No		
9. Received at	least 1 vial wi	th headspace	<1/4" for AQ VOA	2 1	les		No		NA 🔽
10. Were any sa					Yes			~	
44 -								2	# of preserved bottles checked
11. Does paperv (Note discret	ork match bo bancies on ch		v)	Y	les	~	No		for pH:
12. Are matrices					'es	~	No	П	(<2 or >12 unless noted) Adjusted?
13. Is it clear wh					'es		No		
14. Were all hold		e to be met?			'es		No		Checked by: JR 3/25/22
Special Hand	ling (if ap	olicable)							
15. Was client n		Contraction of the second	with this order?		Yes		No		
Persor	Notified:	1		Date:			-	-	
By Wh	om:	1		Via:	eMa	il 🗌 P	hone	Fax	In Person
Regar	ding:	1							
Client	Instructions:	1							
16. Additional re	emarks:								
17. Cooler Info									
Cooler No		Condition		al No Sea	al Da	te	Signed I	Зу	
2	2.9 1.6	Good Good	Not Present Not Present						
3	2.8	Good	Not Present						

•

-

Address: Project Name: Address: Address: Address: R. (505)377-4218 #: (505)377-4218 r Fax#: Becky Haskell@ghd.com Project Manager: Project Manager: Package: Level 4 (Full Validation) Indard Date Acc Other Acc TP7-1- Acc T	CIIERL. GAU	: GHD	Standard	d the Rush 5.	1			HALL			5		ENVIRONMENTAL
Address: Address: Address: Address: Address: Main St. Suite 108, Artesia NM 88210 Project, IS K. M. M. Project, IS K. M. Project, IS K. M. #: (505)377.4218 Project, Manager: Project, Manager: Project, Manager: Project, Manager: Package: D Level 4 (Full Validation) Project, Manager: Project, Manager: Project, Manager: Package: D Level 4 (Full Validation) Project, Manager: Project, Manager: Project, Manager: Package: D Level 4 (Full Validation) Project, Manager: Project, Manager: Project, Manager: Package: D Level 4 (Full Validation) D Level 4 (Full Validation) Project, Manager: Project, Manager: Package: D Other Zach Compliance On Les: X Yes No AC Other Project, Manager: Project, Manager: Project, Manager: Time Matrix Sample Sample: Zach Comino AC Other This Project, Manager: Project, Manager: Other Time Matrix Sample: Zach Comino Oft This Sample: Zach Comino Project, Manager: Oft This Sample: Zach Comino Project, Manager: </th <th></th> <th></th> <th>Project Nam</th> <th></th> <th></th> <th></th> <th></th> <th>ANA</th> <th></th> <th>S</th> <th>AB</th> <th>OR</th> <th>ATOR</th>			Project Nam					ANA		S	AB	OR	ATOR
Main St. Suite 108. Artesia NM 88210 Project #: # (605)377.4218 125.7441C # (605)377.4218 Project Manager: Package: □ Level 4 (Full Validation) Tom Larson AC □ Other Sampler: Zach Comino AC □ Other Sampler Zach Comino AC □ Other # of Coolers: 2.4-02.74 AC □ Other # of Coolers: 2.4-02.74 AC □ Other Proservative 6.6-02.16 AC □ Other TP3-12 Container Proservative Preservative 2.6-02.74 OTVS TP3-12 Container Preservative OTVS TP3-12 Container<	Mailing Address	10	Radius	B Elen	_	VOL	huch to	WWW.	alle	ronmer	ital.con	T COLLO	
#: (505)377-4218 125 741LC Fax#: Becky Haskell Ac Fax#: Becky Haskell Package: Recky Haskell Ac Devel 4 (Full Validation) Project Manager: Package: Becky Haskell Becky Haskell Becky Haskell Idard Lavel 4 (Full Validation) Tom Larson Becky Haskell Idard Lavel 4 (Full Validation) Tom Larson Becky Haskell Ac Other Sampler: Zach Comino AC Other Sampler Zach Comino AC Other Sampler Zach Comino AC Other Extendence Sampler AC Other The Coolers is Z.4-02.2.4 AC Other The Coolers is Z.4-02.2.4 AC The Sample Name The Coolers is Z.4-02.2.4 Off The Sample Name The Sample Name	324 W. Main St	. Suite 108, Artesia NM 88210	Project #:	2000			1 505.3	45-207		hianhr	JAE NIV	107	
TFax#: BeckN Haskell@qhd com Project Manager: Package: I Level 4 (Full Validation) Tom Larson Recky Haskell Becky Haskell Becky Haskell Idard I Level 4 (Full Validation) Tom Larson AC I Level 4 (Full Validation) Tom Larson AC Other Sampler: Zach Comino AC Other Peservative Zecr2.16 Chick TP7-1-L Cooleit Templerevative Zecr2.	Phone #:	(505)377-4218	125	74110		-		100-01	Analys	sis Rec	-040-	101+	i k
Package: Itervel 4 (Full Validation) Ten Larson Recky Haskell itation: AC I Level 4 (Full Validation) Tom Larson AC Other Sampler: Zach Comino AC Other Preservative Zach Container PSS TPS-IL Preservative Zach Comino DSISS TPS-IL Preservative Zach Comino DSISS TPS-IL Preservative Zach Comino DSISS TPS-IL Preservative Zach DSISS TPS-IL Preservative Zach DSISS TPS-IL Preservative Zach DSIS TPS-IL Preservative Zach DSIS TPS-IL Preservative Zach DSIS TPS-IL Preservative Zach DSIS TPS-IL Preservative Zach D	email or Fax#:	Becky. Haskell@ghd.com	Project Mans	ager:			-	1	₽((-	-
dard □ Level 4 (Full Validation) Tom Larson AC □ Other Sampler: Zach Comino AC □ Other Sampler: Zach Comino AC □ Other Be if Coolers: Z.4-C_274 AC □ Other # of Coolers: Z.4-C_274 AC □ Other Be if Coolers: Z.4-C_274 AC □ Other Be if Coolers: Z.4-C_274 AT Preservative 2.6-C_21.6 Other TPS - 1L Container Preservative 2.6-C_21.6 OTYS TPS - 1L COO OTYS TPS - 1L CO OTYS TPS - 1C CO OTYS TPS - 1C <td>QA/QC Package:</td> <td></td> <td>Becky Haske</td> <td></td> <td></td> <td>-</td> <td>S,</td> <td>S</td> <td>DS '</td> <td>-</td> <td>tuəs</td> <td></td> <td></td>	QA/QC Package:		Becky Haske			-	S,	S	DS '	-	tuəs		
Itation: Data Compliance Sampler: Zach Comino AC Other A On Les: X est AC Other # of Coolers: 2.4-0.0.7.4 Time Matrix Sample Name # of Coolers: 2.4-0.0.7.4 Time Matrix Sample Name Container Preservative 2.6-0.2.3.6 Time Matrix Sample Name Type and # Type 2.6-0.2.3.6 Off TP3-12 Container Preservative 2.6-0.2.3.6 Off TP3-14 TP3-14 Preservative 2.6-0.2.3 Off TP3-14 TP3-14 Preservative 2.6-0.2.3 Off TP3-14	□ Standard	Level 4 (Full Validation)	Tom Larson				ьсв	WIS	₽Od				
AC On loe: X es No (Type) # of Coolers: 2.9-02.3 4 Time Matrix Sample Name Esservative Time Matrix Sample Name Container Preservative 2.6-07.3 6 OTYS TP3-12 Container Preservative 2.6-07.3 6 OTYS TP3-12 OTYS TP3-12 OSC TP3-12 OSC TP3-12 OSC TP3-14 OSC TP3-15 OSC TP3-14 OSC TP3-15 OSC TP3-16 OSC TP3-17 OSC TP3-16 OSC TP3-16 OSC TP3-17 OSC TP3-16 OSC TP3-17 OSC TP3-18 OSC TP3-18 <t< td=""><td>Accreditation:</td><td>Az Compliance</td><td>Sampler:</td><td>Zach Comino</td><td></td><td></td><td></td><td>1000</td><td>,₂0</td><td>-</td><td></td><td>00</td><td>9</td></t<>	Accreditation:	Az Compliance	Sampler:	Zach Comino				1000	, ₂ 0	-		00	9
Introduction # of Coolers: 3 2.4-0.5.3 q Time Matrix Sample Name Cooler Templementing CP: 1.6-0.5.1.6 Time Matrix Sample Name Container Trype Trype Trype 2.6-0.5.6 Trype Trype 2.6-0.5 Trype Trype 2.0-0.5 Trype Trype 2.0-0.5 <td>D NELAC</td> <td>Other</td> <td>On Ice:</td> <td></td> <td></td> <td></td> <td></td> <td>9 JC</td> <td></td> <td>(A</td> <td></td> <td>70</td> <td>15~</td>	D NELAC	Other	On Ice:					9 JC		(A		70	15~
Time Matrix Cooler Templeume Cooler Templeume Cooler Templeume Cooler Templeume Cooler Templeume 0745 7 775 - 12 Container Preservative 2.6-0-2.6 MT 0745 7 775 - 17 775 - 17 Cooler 2.6-0-2.6 MT 0745 7 775 - 17 775 - 17 Cooler 202 9 0745 7 775 - 17 Cooler 202 201 9 0745 7 775 - 13 Cooler 202 201 9 0745 7 775 - 13 Cooler 202 201 9 0745 7 777 - 14 Cooler 202 201 201 0745 7 7 202 205 205 205 0745 7 7 202 205 202 0745 7 7 202 202 205 0745 7 7 202 205 205 0745 7 7 202 202 205 0745 7 7 202 205 205 0745 7 7 202 205 206	DEDD (Type)		# of Coolers:	3 2.9-027				01	-	ΟΛ		ind ind	15;
Time Matrix Sample Name Container Preservative 26-0-2.6 K 0745 5 175-8 X Preservative 26-0-2.6 K 0745 5 175-12 X Preservative 26-0-2.6 K 0755 175-12 X Preservative 26-0-2.6 K 0755 1775-12 X Preservative 26-0-2.6 K 0755 1775-12 Preservative 2003 Preservative K 0750 1775-12 Preservative 2003 Preservative K 0750 1775-12 Preservative 2003 Preservative Preservative 0750 1775-12 Preservative 2003 Preservative Preservative 0751 1775-13 Preservative 2003 Preservative Preservative 0751 1772 Preservative 2010 Preservative Preservative 0751 1772 Preservative 2010 Preservative 0751 1772 Preserved by: Via: Preservative Preservative 0752 1772 Preserved by: Via: Preservative Preservative 100 100 Preserved b			Cooler Temp	0		All PROPERTY AND		83		_		3 ƏINI	*
$\begin{array}{c c c c c c c c c c c c c c c c c c c $			Container Type and #	ervative 2.6-	~ _ (vd sHA				C17	my h.
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	0323240745		T	- Carri	100	-	1	H	-			1	7
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	5-510 J	r 777.12	1	200		2				-			
C535 773-19 773-19 04 01 773-19 02 04 01 773-12 05 05 01 772-14 05 05 0355 772-14 07 07 0355 772-14 07 07 0355 772-16 00 00 035 777-20 00 00 035 777-20 010 010 035 777-8 010 010 015 777-8 010 011 1me: Relinquished by: 73 012 020 012 011 012 021 012 011 011	0810	TP3-14		20X			-	-		-			
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	0835	1.1		ちの									8
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	0400	187.6		54						-		F	2
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Obs	1		2001			-			-		×	
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	09457	772-14		27			-			-	T	2	-
IcitS $772.2c$ coq $c35$ $777.c$ $c00$ $c35$ $777.c$ $c10$ $c15$ $777.c$ $c11$ vcc $rTVN.c$ $c12$ vcc $rTVN.c$ $c12$ vcc $rtmethethyten$	0955	21-241		C205						-	T	+	-
IOSS TP7-6 OIO IOUS TP7-8 OII Ime: Relinquished by: Via: Second Structure OI2 Second Structure Second Structure Second Structure Second Structure Second Structure Second Structure	Sial	122 20		004		E		-					2
IDELS TP7-8 OIL ILICO TWN-8 OIL Itime: Relinquished by: Via: State MMMMMM State MMMMM State State Time: Received by: State State State Time:	1035	727.6		010		E				-			
Time: Relinquished by: TWN-8 Received by: Via: 012 I Pate Time Relinquished by: Via: 012 I Received by: Via: 012 I		8-191		011		E		\vdash	E			8	-
Time: Relinquished by: All Received by: Via: Date Time Parts 200 200 200 200 200 200 200 200 200 20		S	1	012		4 1		-					F
Time: Relinquished by: C Received by: Via: Date Time		Relinquished by: Relinquished by:	Received by:	0	-	Rema	Irks: Ple Tom.Lai	ase em son@g	ail: Cha	ase_Se 1; Zach	ttle@e	sogresol 10@ghc	urces.col
190 allera - Aller and Shaller and	2	Relinquished by: Z		Date		Am	lber_Gr	Matth iffin@e F	ew.Lau ogreso askell l	ghlin@ urces.c isted al	ghd.cc om: Al oove.	ong with	n Becky

Client: GHD Mailing Address: 324 W. Main St. Suite 108, Artesia NM 88210 Phone #: (505)377-4218 email or Fax#: <u>Becky.Haskell@ghd.com</u> QA/QC Package: □ Standard □ Level 4 (Full Validation)	Project Name:	[< 1		1					i			
s: t. Suite 108 (505)377- <u>Becky.Ha</u>	Project Nam	I KUSN	5-11	Л	μ	U ALL			Y S		Z	ENVIRONMENTAL	
is: it. Suite 108 (505)377. Becky.Ha	ç		0			AIN		210	5	n	22	ANALTSIS LABORATORY	R
tt. Suite 108 (505)377- <u>Becky.Ha</u> ::	Kilin	BLOW BL	The H	40	4901 Hawkins NE	www N suidu	a	VILOUN	iental.	COM	007400		
(505)377- Becky.Ha	Projec		2	;	Tel. 505-	505-345-3975		Fax 505-345-4107	505-345-4107	1 NINI	07		
Becky.Ha		2574110					Ana	Analysis Request	ed life	t to	5		
	Project Manager:	ader:					Þ(-	
	Becky Haskell			-		S	DS '			1125			
				-		WIS	*Oc		447	C	_		
Accreditation:	Sampler:	Zach Comino			85 1		1 ' ² C		tuas		20		
	On Ice:		O No		08/9					_	tvp	1	
EDD (Type)	# of Coolers:	m		-	səp						NC N		
	Cooler Temp	(Including CF): Se	Sist lack		stici						2		
Date Time Matrix Sample Name	Container Type and #	Preservative Type	HEAL No.	/ X∃H	99 1 80 108 (Me	(d sHA	8 KAR 8) 092	270 (Sé otal Co	pinolide	61ºF		
CI-11/2 S ONI-10	1-	124	Concertation Concertation	1.1	8	-	-	-		_	9	+	
1 1130 1 7812.8	į.		014 014	2 -			-		+	1-	-	-	
litto TPiz.iz							-		+	+		-	
1145- 1712-14		20	016 016	E			-			+	8	-	
1320 TPIS-14		0	617						-	-		-	
1330 -MS-16			518				-		-	-	8	-	
1540 TPICOS			019				-		+	+	7	-	
1310 1776-2		0	010						+	-		-	
2.297 00H			0.01			T	-		-	-		-	
P.171 1410			627				-		-	+		-	
1420 Juzz		0	023				-		-	-		-	
1430	2	0	420	1 1			-		-	P			
Date: Time: Relinquished by:	Received by:	Via:	Jat Time	Rem	Remarks: Please email: Chase Tom.Larson@ghd.com; Za	Tom.Larson@ghd.com; Zach.Comino@ghd.com	mail: C		Settle ch.Co	@eo	gresol	Settle@eogresources.com; .Settle@eogresources.com; .comino@ahd.com	- :uo
Date: Time: Relinquished by:	Received by:	Via:		<	- under	Mat	Matthew.Laughlin@ghd.com;	aughlir	@ghc	d.con	i E	-	
3/1/2/ 1910 automation and and and above.	Che a	Centr 3/25	25/20 0723	ς	Harden John Marken Listed above.		Haske	Haskell listed above.	abov.	e.	ng with	1 Becky	_

HALL ENVIRONMENTAL ANALYSIS LABORATORY		erque, NM 8/109	Analysis Request		s''s Sl	PCE	00 92570 102, 1 102, 1	s/s 504 504 3 5 7 7 7 7 7 7 7	103 103 103 103 103 103 103 103 103 103	ethd ethd y 83 ir, h OA) emi- emi-	PH:80 1081 Pc 2081 Pc 200 (V 270 (S 270 (S 01al Cc 01al Cc 11, F, B 270 (S 01al Cc	1 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3							Remarks: Please email: Chase_Settle@eogresources.com; Tom.Larson@ghd.com; Zach.Comino@ghd.com Matthew.Laughlin@ghd.com; Amber_Griffin@eogresources.com: Along with Becky Haskell listed above. <u>Direct Bill to EOC Chese Settle</u> Dirity. Any sub-contracted data will be clearly notated on the analytical report.
Turn-Around Time: Turn-Around Turn-Around Turn-	Run R Cluit #1	in the second	12574110				r: Zach Comino	X Yes 🗆 No		Cooler Templineuding CF) See Ret Proge	Container Preservative HEAL No.	Calcus (02.5						H H	Via: 3/24/28 80 Via: 3/24/28 80 Via: Date Time COV 3/25/24 0723 er accredited laboratories. This serves as notice of this possi
Client: GHD	Mailing Address:	324 W. Main St. Suite 108, Artesia NM 88210	Phone #: (505)377-4218	email or Fax#: Becky.Haskell@ghd.com	age:	Standard Level 4 (Full Validation)	:uo				Date Time Matrix Sample Name	52222 1440 S TRE-S	6 1450 1 TP 18-2					Date: Time: Relinquished by:	2 2



April 05, 2022

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

RE: Robinson B Federal 1

OrderNo.: 2203D57

Hall Environmental Analysis Laboratory

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

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

Dear Becky Haskell:

Hall Environmental Analysis Laboratory received 10 sample(s) on 3/25/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203D57

Date Reported: 4/5/2022

CLIENT: GHD Midland Project: Robinson B Federal 1			ient Sample II Collection Dat		219-S 24/2022 7:30:00 AM	
Lab ID: 2203D57-001	Matrix: SOIL		Received Dat	e: 3/2	25/2022 7:23:00 AM	
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analysi	CAS
Chloride	ND	60	mg/Kg	20	4/1/2022 12:19:00 AM	66531
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	t: ED
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	3/30/2022 4:04:56 PM	66474
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	3/30/2022 4:04:56 PM	66474
Surr: DNOP	119	51.1-141	%Rec	1	3/30/2022 4:04:56 PM	66474
EPA METHOD 8015D: GASOLINE RANGE	1				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	3/29/2022 2:26:34 PM	66414
Surr: BFB	94.9	37.7-212	%Rec	1	3/29/2022 2:26:34 PM	66414
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	3/29/2022 2:26:34 PM	66414
Toluene	ND	0.048	mg/Kg	1	3/29/2022 2:26:34 PM	66414
Ethylbenzene	ND	0.048	mg/Kg	1	3/29/2022 2:26:34 PM	66414
Xylenes, Total	ND	0.097	mg/Kg	1	3/29/2022 2:26:34 PM	66414
Surr: 4-Bromofluorobenzene	94.7	70-130	%Rec	1	3/29/2022 2:26:34 PM	66414

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

Qualifiers:

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

Page 1 of 14

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203D57

Date Reported: 4/5/2022

CLIENT: GHD Midland		C	ient Sample II	D: TP	219-2	
Project: Robinson B Federal 1			Collection Dat	e: 3/2	24/2022 7:35:00 AM	
Lab ID: 2203D57-002	Matrix: SOIL		Received Dat	e: 3/2	25/2022 7:23:00 AM	
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	CAS
Chloride	ND	60	mg/Kg	20	4/1/2022 12:31:24 AM	66531
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	3/30/2022 4:29:17 PM	66474
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	3/30/2022 4:29:17 PM	66474
Surr: DNOP	111	51.1-141	%Rec	1	3/30/2022 4:29:17 PM	66474
EPA METHOD 8015D: GASOLINE RANGE					Analys	: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	3/29/2022 2:50:05 PM	66414
Surr: BFB	97.3	37.7-212	%Rec	1	3/29/2022 2:50:05 PM	66414
EPA METHOD 8021B: VOLATILES					Analys	: NSB
Benzene	ND	0.024	mg/Kg	1	3/29/2022 2:50:05 PM	66414
Toluene	ND	0.047	mg/Kg	1	3/29/2022 2:50:05 PM	66414
Ethylbenzene	ND	0.047	mg/Kg	1	3/29/2022 2:50:05 PM	66414
Xylenes, Total	ND	0.095	mg/Kg	1	3/29/2022 2:50:05 PM	66414
Surr: 4-Bromofluorobenzene	96.7	70-130	%Rec	1	3/29/2022 2:50:05 PM	66414

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

Qualifiers:

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

Page 2 of 14

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203D57

Date Reported: 4/5/2022

CLIENT: GHD Midland		Cl	ient Sample I	D: TF	20-S	
Project: Robinson B Federal 1		(Collection Dat	: 3/2	24/2022 7:50:00 AM	
Lab ID: 2203D57-003	Matrix: SOIL		Received Dat	:e: 3/2	25/2022 7:23:00 AM	
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	CAS
Chloride	ND	60	mg/Kg	20	4/1/2022 12:43:49 AM	66531
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	ED:
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	3/30/2022 5:17:53 PM	66474
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	3/30/2022 5:17:53 PM	66474
Surr: DNOP	92.1	51.1-141	%Rec	1	3/30/2022 5:17:53 PM	66474
EPA METHOD 8015D: GASOLINE RANGE					Analys	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	3/29/2022 3:13:36 PM	66414
Surr: BFB	95.9	37.7-212	%Rec	1	3/29/2022 3:13:36 PM	66414
EPA METHOD 8021B: VOLATILES					Analys	: NSB
Benzene	ND	0.024	mg/Kg	1	3/29/2022 3:13:36 PM	66414
Toluene	ND	0.049	mg/Kg	1	3/29/2022 3:13:36 PM	66414
Ethylbenzene	ND	0.049	mg/Kg	1	3/29/2022 3:13:36 PM	66414
Xylenes, Total	ND	0.097	mg/Kg	1	3/29/2022 3:13:36 PM	66414
Surr: 4-Bromofluorobenzene	97.6	70-130	%Rec	1	3/29/2022 3:13:36 PM	66414

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

Qualifiers:

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

Page 3 of 14

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203D57

Date Reported: 4/5/2022

CLIENT: GHD Midland Project: Robinson B Federal 1			ient Sample II Collection Date		220-2 24/2022 8:00:00 AM	
Lab ID: 2203D57-004	Matrix: SOIL		Received Date	e: 3/2	25/2022 7:23:00 AM	
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analysi	CAS
Chloride	ND	60	mg/Kg	20	4/1/2022 12:56:13 AM	66531
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	t: ED
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	3/30/2022 5:42:17 PM	66474
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	3/30/2022 5:42:17 PM	66474
Surr: DNOP	108	51.1-141	%Rec	1	3/30/2022 5:42:17 PM	66474
EPA METHOD 8015D: GASOLINE RANGE	i .				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	3/29/2022 3:36:56 PM	66414
Surr: BFB	99.3	37.7-212	%Rec	1	3/29/2022 3:36:56 PM	66414
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	3/29/2022 3:36:56 PM	66414
Toluene	ND	0.048	mg/Kg	1	3/29/2022 3:36:56 PM	66414
Ethylbenzene	ND	0.048	mg/Kg	1	3/29/2022 3:36:56 PM	66414
Xylenes, Total	ND	0.096	mg/Kg	1	3/29/2022 3:36:56 PM	66414
Surr: 4-Bromofluorobenzene	98.8	70-130	%Rec	1	3/29/2022 3:36:56 PM	66414

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

Qualifiers:

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

Page 4 of 14

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203D57

Date Reported: 4/5/2022

CLIENT: GHD Midland		Cl	ient Sample II	D: TI	221-S	
Project: Robinson B Federal 1		(Collection Dat	e: 3/2	24/2022 8:10:00 AM	
Lab ID: 2203D57-005	Matrix: SOIL		Received Dat	e: 3/2	25/2022 7:23:00 AM	
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	ND	60	mg/Kg	20	4/1/2022 1:08:38 AM	66531
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	ED
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	3/30/2022 6:06:44 PM	66474
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	3/30/2022 6:06:44 PM	66474
Surr: DNOP	119	51.1-141	%Rec	1	3/30/2022 6:06:44 PM	66474
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	3/29/2022 4:00:22 PM	66414
Surr: BFB	98.1	37.7-212	%Rec	1	3/29/2022 4:00:22 PM	66414
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.023	mg/Kg	1	3/29/2022 4:00:22 PM	66414
Toluene	ND	0.047	mg/Kg	1	3/29/2022 4:00:22 PM	66414
Ethylbenzene	ND	0.047	mg/Kg	1	3/29/2022 4:00:22 PM	66414
Xylenes, Total	ND	0.094	mg/Kg	1	3/29/2022 4:00:22 PM	66414
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	1	3/29/2022 4:00:22 PM	66414

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

Qualifiers:

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

Page 5 of 14

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203D57

Date Reported: 4/5/2022

CLIENT: GHD Midland		Cl	ient Sample II): TP	21-2	
Project: Robinson B Federal 1		(Collection Dat	e: 3/2	24/2022 8:20:00 AM	
Lab ID: 2203D57-006	Matrix: SOIL		Received Dat	e: 3/2	25/2022 7:23:00 AM	
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: ЈМТ
Chloride	ND	59	mg/Kg	20	3/31/2022 11:51:23 PM	66549
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	ED
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	3/30/2022 6:31:05 PM	66474
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	3/30/2022 6:31:05 PM	66474
Surr: DNOP	141	51.1-141	%Rec	1	3/30/2022 6:31:05 PM	66474
EPA METHOD 8015D: GASOLINE RANGE	1				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	3/29/2022 4:23:56 PM	66414
Surr: BFB	98.4	37.7-212	%Rec	1	3/29/2022 4:23:56 PM	66414
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	3/29/2022 4:23:56 PM	66414
Toluene	ND	0.049	mg/Kg	1	3/29/2022 4:23:56 PM	66414
Ethylbenzene	ND	0.049	mg/Kg	1	3/29/2022 4:23:56 PM	66414
Xylenes, Total	ND	0.098	mg/Kg	1	3/29/2022 4:23:56 PM	66414
Surr: 4-Bromofluorobenzene	97.8	70-130	%Rec	1	3/29/2022 4:23:56 PM	66414

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

Qualifiers:

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

Page 6 of 14

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203D57

Date Reported: 4/5/2022

CLIENT: GHD Midland		Cl	ient Sample I	D: TP	22-S					
Project: Robinson B Federal 1	Collection Date: 3/24/2022 8:30:00 AM									
Lab ID: 2203D57-007	Matrix: SOIL Received Date: 3/25/2022 7:23:00 AM									
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch				
EPA METHOD 300.0: ANIONS					Analys	t: JMT				
Chloride	ND	60	mg/Kg	20	4/1/2022 12:03:44 AM	66549				
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	t: ED				
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	3/30/2022 6:55:35 PM	66474				
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	3/30/2022 6:55:35 PM	66474				
Surr: DNOP	134	51.1-141	%Rec	1	3/30/2022 6:55:35 PM	66474				
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: NSB				
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	3/29/2022 4:47:35 PM	66414				
Surr: BFB	99.9	37.7-212	%Rec	1	3/29/2022 4:47:35 PM	66414				
EPA METHOD 8021B: VOLATILES					Analys	t: NSB				
Benzene	ND	0.025	mg/Kg	1	3/29/2022 4:47:35 PM	66414				
Toluene	ND	0.049	mg/Kg	1	3/29/2022 4:47:35 PM	66414				
Ethylbenzene	ND	0.049	mg/Kg	1	3/29/2022 4:47:35 PM	66414				
Xylenes, Total	ND	0.099	mg/Kg	1	3/29/2022 4:47:35 PM	66414				
Surr: 4-Bromofluorobenzene	97.9	70-130	%Rec	1	3/29/2022 4:47:35 PM	66414				

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

Qualifiers:

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

Page 7 of 14

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203D57

Date Reported: 4/5/2022

CLIENT: GHD Midland		Cl	ient Sample II	D: TF	22-2					
Project: Robinson B Federal 1	Collection Date: 3/24/2022 8:40:00 AM									
Lab ID: 2203D57-008	Matrix: SOIL Received Date: 3/25/2022 7:23:00 AM									
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch				
EPA METHOD 300.0: ANIONS					Analys	: JMT				
Chloride	ND	60	mg/Kg	20	4/1/2022 12:16:05 AM	66549				
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	ED:				
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	3/30/2022 7:20:02 PM	66474				
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	3/30/2022 7:20:02 PM	66474				
Surr: DNOP	125	51.1-141	%Rec	1	3/30/2022 7:20:02 PM	66474				
EPA METHOD 8015D: GASOLINE RANGE					Analys	: NSB				
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	3/29/2022 5:11:10 PM	66414				
Surr: BFB	96.9	37.7-212	%Rec	1	3/29/2022 5:11:10 PM	66414				
EPA METHOD 8021B: VOLATILES					Analys	: NSB				
Benzene	ND	0.024	mg/Kg	1	3/29/2022 5:11:10 PM	66414				
Toluene	ND	0.049	mg/Kg	1	3/29/2022 5:11:10 PM	66414				
Ethylbenzene	ND	0.049	mg/Kg	1	3/29/2022 5:11:10 PM	66414				
Xylenes, Total	ND	0.097	mg/Kg	1	3/29/2022 5:11:10 PM	66414				
Surr: 4-Bromofluorobenzene	97.0	70-130	%Rec	1	3/29/2022 5:11:10 PM	66414				

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

Qualifiers:

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

Page 8 of 14

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203D57

Date Reported: 4/5/2022

CLIENT: GHD Midland Project: Robinson B Federal 1	Client Sample ID: TP23-S Collection Date: 3/24/2022 8:50:00 AM									
Lab ID: 2203D57-009	Matrix: SOIL Received Date: 3/25/2022 7:23:00 AM									
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch				
EPA METHOD 300.0: ANIONS					Analys	: JMT				
Chloride	ND	60	mg/Kg	20	4/1/2022 12:28:26 AM	66549				
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	t: ED				
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	3/30/2022 7:44:22 PM	66474				
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	3/30/2022 7:44:22 PM	66474				
Surr: DNOP	80.7	51.1-141	%Rec	1	3/30/2022 7:44:22 PM	66474				
EPA METHOD 8015D: GASOLINE RANGE					Analys	: NSB				
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	3/29/2022 5:34:34 PM	66414				
Surr: BFB	96.6	37.7-212	%Rec	1	3/29/2022 5:34:34 PM	66414				
EPA METHOD 8021B: VOLATILES					Analys	: NSB				
Benzene	ND	0.025	mg/Kg	1	3/29/2022 5:34:34 PM	66414				
Toluene	ND	0.049	mg/Kg	1	3/29/2022 5:34:34 PM	66414				
Ethylbenzene	ND	0.049	mg/Kg	1	3/29/2022 5:34:34 PM	66414				
Xylenes, Total	ND	0.098	mg/Kg	1	3/29/2022 5:34:34 PM	66414				
Surr: 4-Bromofluorobenzene	98.8	70-130	%Rec	1	3/29/2022 5:34:34 PM	66414				

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

Qualifiers:

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

Page 9 of 14

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203D57

Date Reported: 4/5/2022

CLIENT: GHD Midland			ient Sample II			
Project: Robinson B Federal 1					24/2022 9:00:00 AM	
Lab ID: 2203D57-010	Matrix: SOIL		Received Dat	e: 3/2	25/2022 7:23:00 AM	
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	ND	60	mg/Kg	20	4/1/2022 12:40:46 AM	66549
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	ED:
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	3/30/2022 8:08:41 PM	66474
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	3/30/2022 8:08:41 PM	66474
Surr: DNOP	112	51.1-141	%Rec	1	3/30/2022 8:08:41 PM	66474
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	3/29/2022 5:57:58 PM	66414
Surr: BFB	99.3	37.7-212	%Rec	1	3/29/2022 5:57:58 PM	66414
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.023	mg/Kg	1	3/29/2022 5:57:58 PM	66414
Toluene	ND	0.046	mg/Kg	1	3/29/2022 5:57:58 PM	66414
Ethylbenzene	ND	0.046	mg/Kg	1	3/29/2022 5:57:58 PM	66414
Xylenes, Total	ND	0.093	mg/Kg	1	3/29/2022 5:57:58 PM	66414
Surr: 4-Bromofluorobenzene	97.4	70-130	%Rec	1	3/29/2022 5:57:58 PM	66414

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

Qualifiers:

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

Page 10 of 14

Client:	GHD Mi	dland									
Project:	Robinson	B Federal	1								
Sample ID: MB	-66549	SampT	ype: m k	olk	Tes	tCode: El	PA Method	300.0: Anion	s		
Client ID: PB	S	Batch	ID: 66	549	F	RunNo: 8	6884				
Prep Date: 3/	31/2022	Analysis D	ate: 3/	31/2022	S	eqNo: 3	070434	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID: LC:	S-66549	SampT	ype: Ics	5	Tes	tCode: El	PA Method	300.0: Anion	s		
Client ID: LC:	SS	Batch	ID: 66	549	F	RunNo: 8	6884				
Prep Date: 3/	31/2022	Analysis D	ate: 3/	31/2022	S	eqNo: 3	070435	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	91.7	90	110			
Sample ID: LC	S-66531	SampT	ype: Ics	5	Tes	tCode: El	PA Method	300.0: Anion	s		
Client ID: LC:	SS	Batch	ID: 66	531	F	RunNo: 8	6885				
Prep Date: 3/	31/2022	Analysis D	ate: 3/	31/2022	S	eqNo: 3	070544	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	94.7	90	110			

Qualifiers:

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

Page 11 of 14

2203D57

05-Apr-22

Page 149 of 182

	ID Midland binson B Federa	ıl 1								
Sample ID: LCS-66474	Samp	S	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics		
Client ID: LCSS	Bato	Batch ID: 66474 RunNo: 86875								
Prep Date: 3/29/2022	Analysis I	Date: 3/	30/2022	5	SeqNo: 3	069217	Units: mg/#	٤g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	10	50.00	0	83.9	68.9	135			
Surr: DNOP	4.1		5.000		81.3	51.1	141			
Sample ID: MB-66474	Samp	Type: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: PBS	Bato	h ID: 66	474	F	RunNo: 8	6875				
Prep Date: 3/29/2022	Analysis I	Date: 3/	30/2022	5	SeqNo: 3	069218	Units: mg/k	٤g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)) ND	10								
Motor Oil Range Organics (MF	RO) ND	50								
Surr: DNOP	9.7		10.00		97.2	51.1	141			

Qualifiers:

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

Page 12 of 14

2203D57

05-Apr-22

Client:	GHD Midland									
Project:	Robinson B Feder	al 1								
Sample ID: mb-664	14 Samp	Type: ME	BLK	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID: PBS	Bat	ch ID: 66	414	F	RunNo: 8	6824				
Prep Date: 3/25/2	022 Analysis	Date: 3/	29/2022	S	SeqNo: 3	066190	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organic	s (GRO) ND	5.0								
Surr: BFB	990		1000		99.4	37.7	212			
Sample ID: Ics-664	14 Samp	Type: LC	s	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID: LCSS	Bat	ch ID: 66	414	F	RunNo: 8	6824				
Prep Date: 3/25/2	022 Analysis	Date: 3/	29/2022	S	SeqNo: 3	066191	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organic	s (GRO) 26	5.0	25.00	0	104	72.3	137			
Surr: BFB	2000		1000		204	37.7	212			

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

2203D57

05-Apr-22

0.99

1.000

Client: GHD M Project: Robinso	idland n B Federa	11								
Sample ID: mb-66414	SampT	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batcl	h ID: 664	414	F	RunNo: 8	6824				
Prep Date: 3/25/2022	Analysis E	Date: 3/	29/2022	5	SeqNo: 3	066238	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.99		1.000		98.8	70	130			
Sample ID: LCS-66414	SampT	Гуре: LC	S	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batcl	h ID: 664	414	F	RunNo: 8	6824				
Prep Date: 3/25/2022	Analysis E	Date: 3/	29/2022	5	SeqNo: 3	066239	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.81	0.025	1.000	0	81.2	80	120			
Toluene	0.84	0.050	1.000	0	84.1	80	120			
Ethylbenzene	0.86	0.050	1.000	0	86.1	80	120			
Xylenes, Total	2.6	0.10	3.000	0	86.3	80	120			

99.0

130

70

Qualifiers:

Surr: 4-Bromofluorobenzene

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

Page 14 of 14

2203D57

05-Apr-22

Ceived by ACD: 8/4/2022 4:57:41 PM ENVIRONMENTAL ANALYSIS LABORATORY	TEL: 505-345-	ental Analysis L 4901 Ha Albuquerque, N 3975 FAX: 505- its.hallenvironni	Wkins NE M 87109 Sa 345-4107	imple Log-In Che	Page 153 ck List
Client Name: GHD Midland	Work Order Nun	nber: 2203D57	-	RcptNo: 1	
Received By: Cheyenne Cason	3/25/2022 7:23:00	АМ	Chul		
Completed By: Desiree Dominguez	3/25/2022 8:19:23	AM	T		
Reviewed By: SER 3 (25/22			11-3		
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 🗌		
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 p	reserved?	Yes 🔽	No 🗌		
8. Was preservative added to bottles?		Yes	No 🗹		
9. Received at least 1 vial with headspace <1/4" fo	r AQ VOA?	Yes	No 🗌	NK 🗖	
0. Were any sample containers received broken?	Se recui	Yes	No 🗹	NA 🗹	
		100		# of preserved	
1. Does paperwork match bottle labels?		Yes 🗹	No 🗌	bottles checked for pH:	
(Note discrepancies on chain of custody) 2. Are matrices correctly identified on Chain of Cus	4-4-0			(<2 or >12.un	less noted)
3. Is it clear what analyses were requested?	stody?	Yes ✔ Yes ✔	No 🗌	Adjusted?	
4. Were all holding times able to be met?		Yes ✔ Yes ✔	No 🗌	Checked by: JA	120-122
(If no, notify customer for authorization.)				Checked by: Jet	5123122
pecial Handling (if applicable)					
5. Was client notified of all discrepancies with this	order?	Yes 🗌	No 🗌	NA 🔽	
Person Notified:	Date:		1.0 -		
By Whom:	Via:	eMail	Phone T Fax		
Regarding:			Phone Fax	In Person	
Client Instructions:					
6. Additional remarks:					
7. Cooler Information					
Cooler No Temp C Condition Seal In	ntact Seal No	Seal Date	Signed By		
1 2.9 Good			orgined by		
2 1.6 Good 3 2.8 Good					

Page 1 of 1

Released to Imaging: 9/20/2022 2:02:30 PM

82



May 12, 2022

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

RE: Robinson B Federal

Hall Environmental Analysis Laboratory

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

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

OrderNo.: 2204D47

Dear Becky Haskell:

Hall Environmental Analysis Laboratory received 13 sample(s) on 4/30/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2204D47

Date Reported: 5/12/2022

CLIENT: GHD Midland		Cli	ient Sa	ample II	D: SE	8-1 (5')	
Project: Robinson B Federal		(Collect	tion Dat	e: 4/2	27/2022 10:30:00 AM	
Lab ID: 2204D47-001	Matrix: SOIL		Recei	ved Dat	e: 4/3	30/2022 8:30:00 AM	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analys	t: NAI
Chloride	ND	60		mg/Kg	20	5/4/2022 12:12:08 AM	67234
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS					Analys	t: ED
Diesel Range Organics (DRO)	2300	200		mg/Kg	20	5/4/2022 11:06:59 AM	67221
Motor Oil Range Organics (MRO)	1300	1000		mg/Kg	20	5/4/2022 11:06:59 AM	67221
Surr: DNOP	0	51.1-141	S	%Rec	20	5/4/2022 11:06:59 AM	67221
EPA METHOD 8015D: GASOLINE RAM	NGE					Analys	t: BRM
Gasoline Range Organics (GRO)	660	50		mg/Kg	10	5/3/2022 9:33:00 PM	67192
Surr: BFB	313	37.7-212	S	%Rec	10	5/3/2022 9:33:00 PM	67192
EPA METHOD 8021B: VOLATILES						Analys	t: BRM
Benzene	1.4	0.25		mg/Kg	10	5/3/2022 9:33:00 PM	67192
Toluene	ND	0.50		mg/Kg	10	5/3/2022 9:33:00 PM	67192
Ethylbenzene	16	0.50		mg/Kg	10	5/3/2022 9:33:00 PM	67192
Xylenes, Total	9.5	1.0		mg/Kg	10	5/3/2022 9:33:00 PM	67192
Surr: 4-Bromofluorobenzene	151	70-130	S	%Rec	10	5/3/2022 9:33:00 PM	67192

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

Qualifiers:

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

Page 1 of 20

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2204D47

Date Reported: 5/12/2022

CLIENT: GHD Midland		Cl	ient Sa	ample II	D: SB	3-1 (10')				
Project: Robinson B Federal		(Collect	ion Dat	e: 4/2	27/2022 10:35:00 AM				
Lab ID: 2204D47-002	Matrix: SOIL		Received Date: 4/30/2022 8:30:00 AM							
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS						Analys	t: NAI			
Chloride	ND	61		mg/Kg	20	5/4/2022 12:49:10 AM	67235			
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analys	t: ED			
Diesel Range Organics (DRO)	1000	94		mg/Kg	10	5/4/2022 11:36:25 AM	67221			
Motor Oil Range Organics (MRO)	690	470		mg/Kg	10	5/4/2022 11:36:25 AM	67221			
Surr: DNOP	0	51.1-141	S	%Rec	10	5/4/2022 11:36:25 AM	67221			
EPA METHOD 8015D: GASOLINE RANG	E					Analys	t: BRM			
Gasoline Range Organics (GRO)	120	23		mg/Kg	5	5/3/2022 9:53:00 PM	67192			
Surr: BFB	304	37.7-212	S	%Rec	5	5/3/2022 9:53:00 PM	67192			
EPA METHOD 8021B: VOLATILES						Analys	t: BRM			
Benzene	ND	0.12		mg/Kg	5	5/3/2022 9:53:00 PM	67192			
Toluene	ND	0.23		mg/Kg	5	5/3/2022 9:53:00 PM	67192			
Ethylbenzene	3.1	0.23		mg/Kg	5	5/3/2022 9:53:00 PM	67192			
Xylenes, Total	3.5	0.47		mg/Kg	5	5/3/2022 9:53:00 PM	67192			
Surr: 4-Bromofluorobenzene	119	70-130		%Rec	5	5/3/2022 9:53:00 PM	67192			

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

* **Qualifiers:**

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

Page 2 of 20

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2204D47

Date Reported: 5/12/2022

CLIENT: GHD Midland		Cl	ient S	ample II	D: SE	8-1 (15')	
Project: Robinson B Federal		(Collec	tion Dat	e: 4/2	27/2022 10:40:00 AM	
Lab ID: 2204D47-003	Matrix: SOIL		Recei	ved Dat	e: 4/3	30/2022 8:30:00 AM	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analys	t: NAI
Chloride	67	60		mg/Kg	20	5/4/2022 1:01:30 AM	67235
EPA METHOD 8015M/D: DIESEL RAI	NGE ORGANICS					Analys	t: ED
Diesel Range Organics (DRO)	6500	200		mg/Kg	20	5/3/2022 7:32:10 PM	67221
Motor Oil Range Organics (MRO)	2400	990		mg/Kg	20	5/3/2022 7:32:10 PM	67221
Surr: DNOP	0	51.1-141	S	%Rec	20	5/3/2022 7:32:10 PM	67221
EPA METHOD 8015D: GASOLINE RA	ANGE					Analys	t: BRM
Gasoline Range Organics (GRO)	2200	98		mg/Kg	20	5/3/2022 11:41:00 AM	67192
Surr: BFB	343	37.7-212	S	%Rec	20	5/3/2022 11:41:00 AM	67192
EPA METHOD 8021B: VOLATILES						Analys	t: BRM
Benzene	19	0.49		mg/Kg	20	5/4/2022 11:01:00 PM	67192
Toluene	73	0.98		mg/Kg	20	5/4/2022 11:01:00 PM	67192
Ethylbenzene	79	0.98		mg/Kg	20	5/4/2022 11:01:00 PM	67192
Xylenes, Total	95	2.0		mg/Kg	20	5/4/2022 11:01:00 PM	67192
Surr: 4-Bromofluorobenzene	171	70-130	S	%Rec	20	5/4/2022 11:01:00 PM	67192

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

Qualifiers:

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

Page 3 of 20

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2204D47

Date Reported: 5/12/2022

CLIENT: GHD Midland		Cl	ient S	ample II	D: SB	8-1 (20')	
Project: Robinson B Federal		(Collec	tion Dat	e: 4/2	27/2022 10:45:00 AM	
Lab ID: 2204D47-004	Matrix: SOIL	Matrix: SOIL Received Date: 4/30/2022 8:30:00 A					
Analyses	Result	RL	Qua	l Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analys	t: NAI
Chloride	140	60		mg/Kg	20	5/4/2022 1:13:52 AM	67235
EPA METHOD 8015M/D: DIESEL RAM	NGE ORGANICS					Analys	t: ED
Diesel Range Organics (DRO)	1000	49		mg/Kg	5	5/10/2022 1:09:48 PM	67221
Motor Oil Range Organics (MRO)	410	240		mg/Kg	5	5/10/2022 1:09:48 PM	67221
Surr: DNOP	101	51.1-141		%Rec	5	5/10/2022 1:09:48 PM	67221
EPA METHOD 8015D: GASOLINE RA	NGE					Analys	t: BRM
Gasoline Range Organics (GRO)	110	25		mg/Kg	5	5/3/2022 12:01:00 PM	67192
Surr: BFB	256	37.7-212	S	%Rec	5	5/3/2022 12:01:00 PM	67192
EPA METHOD 8021B: VOLATILES						Analys	t: BRM
Benzene	ND	0.12		mg/Kg	5	5/4/2022 11:21:00 PM	67192
Toluene	0.53	0.25		mg/Kg	5	5/4/2022 11:21:00 PM	67192
Ethylbenzene	2.8	0.25		mg/Kg	5	5/4/2022 11:21:00 PM	67192
Xylenes, Total	3.6	0.50		mg/Kg	5	5/4/2022 11:21:00 PM	67192
Surr: 4-Bromofluorobenzene	112	70-130		%Rec	5	5/4/2022 11:21:00 PM	67192

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

Qualifiers:

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

Page 4 of 20

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2204D47

Date Reported: 5/12/2022

CLIENT: GHD Midland		Cli	ient Sample II	D: SB	8-1 (25')			
Project: Robinson B Federal	Collection Date: 4/27/2022 10:55:00 AM							
Lab ID: 2204D47-005	Matrix: SOIL Received Date: 4/30/2022 8:30:00 A							
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analys	t: NAI		
Chloride	230	60	mg/Kg	20	5/4/2022 1:26:12 AM	67235		
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analys	t: SB		
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	5/3/2022 2:22:23 PM	67217		
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	5/3/2022 2:22:23 PM	67217		
Surr: DNOP	82.6	51.1-141	%Rec	1	5/3/2022 2:22:23 PM	67217		
EPA METHOD 8015D: GASOLINE RANG	θE				Analys	t: NSB		
Gasoline Range Organics (GRO)	ND	25	mg/Kg	5	5/3/2022 12:44:05 PM	67198		
Surr: BFB	109	37.7-212	%Rec	5	5/3/2022 12:44:05 PM	67198		
EPA METHOD 8021B: VOLATILES					Analys	t: NSB		
Benzene	ND	0.12	mg/Kg	5	5/3/2022 12:44:05 PM	67198		
Toluene	ND	0.25	mg/Kg	5	5/3/2022 12:44:05 PM	67198		
Ethylbenzene	ND	0.25	mg/Kg	5	5/3/2022 12:44:05 PM	67198		
Xylenes, Total	ND	0.49	mg/Kg	5	5/3/2022 12:44:05 PM	67198		
Surr: 4-Bromofluorobenzene	108	70-130	%Rec	5	5/3/2022 12:44:05 PM	67198		

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

* **Qualifiers:**

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

Page 5 of 20

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2204D47

Date Reported: 5/12/2022

CLIENT: GHD Midland Project: Robinson B Federal	Client Sample ID: SB-1 (30') Collection Date: 4/27/2022 11:05:00 AM Matrix: SOIL Received Date: 4/30/2022 8:30:00 AM							
Lab ID: 2204D47-006								
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analys	t: NAI		
Chloride	150	60	mg/Kg	20	5/4/2022 1:38:34 AM	67235		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	t: SB		
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	5/3/2022 2:46:13 PM	67217		
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	5/3/2022 2:46:13 PM	67217		
Surr: DNOP	85.2	51.1-141	%Rec	1	5/3/2022 2:46:13 PM	67217		
EPA METHOD 8015D: GASOLINE RANG	E				Analys	t: NSB		
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	5/3/2022 1:54:23 PM	67198		
Surr: BFB	110	37.7-212	%Rec	1	5/3/2022 1:54:23 PM	67198		
EPA METHOD 8021B: VOLATILES					Analys	t: NSB		
Benzene	ND	0.024	mg/Kg	1	5/3/2022 1:54:23 PM	67198		
Toluene	ND	0.048	mg/Kg	1	5/3/2022 1:54:23 PM	67198		
Ethylbenzene	ND	0.048	mg/Kg	1	5/3/2022 1:54:23 PM	67198		
Xylenes, Total	ND	0.096	mg/Kg	1	5/3/2022 1:54:23 PM	67198		
Surr: 4-Bromofluorobenzene	108	70-130	%Rec	1	5/3/2022 1:54:23 PM	67198		

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

* **Qualifiers:**

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

Page 6 of 20

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2204D47

Date Reported: 5/12/2022

CLIENT: GHD Midland		Cli	ent Sample II	D: SE	3-1 (35')	
Project: Robinson B Federal		(Collection Dat	e: 4/2	27/2022 11:10:00 AM	[
Lab ID: 2204D47-007	Matrix: SOIL		Received Dat	e: 4/3	30/2022 8:30:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	st: NAI
Chloride	ND	60	mg/Kg	20	5/4/2022 2:15:36 AM	67235
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	st: SB
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	5/3/2022 3:10:13 PM	67217
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	5/3/2022 3:10:13 PM	67217
Surr: DNOP	88.9	51.1-141	%Rec	1	5/3/2022 3:10:13 PM	67217
EPA METHOD 8015D: GASOLINE RANG	E				Analys	st: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	5/3/2022 3:04:57 PM	67198
Surr: BFB	111	37.7-212	%Rec	1	5/3/2022 3:04:57 PM	67198
EPA METHOD 8021B: VOLATILES					Analys	st: NSB
Benzene	ND	0.024	mg/Kg	1	5/3/2022 3:04:57 PM	67198
Toluene	ND	0.048	mg/Kg	1	5/3/2022 3:04:57 PM	67198
Ethylbenzene	ND	0.048	mg/Kg	1	5/3/2022 3:04:57 PM	67198
Xylenes, Total	ND	0.096	mg/Kg	1	5/3/2022 3:04:57 PM	67198
Surr: 4-Bromofluorobenzene	110	70-130	%Rec	1	5/3/2022 3:04:57 PM	67198

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

* **Qualifiers:**

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

Page 7 of 20

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2204D47

Date Reported: 5/12/2022

CLIENT: GHD Midland		Cl	ient Sample II	D: SE	3-2 (5')	
Project: Robinson B Federal		(Collection Dat	e: 4/2	27/2022 11:30:00 AM	
Lab ID: 2204D47-008	Matrix: SOIL		Received Dat	e: 4/3	30/2022 8:30:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: NAI
Chloride	130	60	mg/Kg	20	5/4/2022 2:27:58 AM	67235
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	t: SB
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	5/3/2022 3:34:06 PM	67217
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	5/3/2022 3:34:06 PM	67217
Surr: DNOP	92.1	51.1-141	%Rec	1	5/3/2022 3:34:06 PM	67217
EPA METHOD 8015D: GASOLINE RANG	E				Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	5/3/2022 3:28:25 PM	67198
Surr: BFB	112	37.7-212	%Rec	1	5/3/2022 3:28:25 PM	67198
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.024	mg/Kg	1	5/3/2022 3:28:25 PM	67198
Toluene	ND	0.048	mg/Kg	1	5/3/2022 3:28:25 PM	67198
Ethylbenzene	ND	0.048	mg/Kg	1	5/3/2022 3:28:25 PM	67198
Xylenes, Total	ND	0.095	mg/Kg	1	5/3/2022 3:28:25 PM	67198
Surr: 4-Bromofluorobenzene	110	70-130	%Rec	1	5/3/2022 3:28:25 PM	67198

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

Qualifiers:

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

Page 8 of 20

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2204D47

Date Reported: 5/12/2022

CLIENT: GHD Midland		Cli	ent Sample II): SE	3-2 (10')				
Project: Robinson B Federal		0	Collection Date	e: 4/2	27/2022 11:40:00 AM	L			
Lab ID: 2204D47-009	Matrix: SOIL		Received Date: 4/30/2022 8:30:00 AM						
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analys	st: NAI			
Chloride	280	60	mg/Kg	20	5/4/2022 2:40:19 AM	67235			
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	st: SB			
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	5/3/2022 3:57:57 PM	67217			
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	5/3/2022 3:57:57 PM	67217			
Surr: DNOP	88.5	51.1-141	%Rec	1	5/3/2022 3:57:57 PM	67217			
EPA METHOD 8015D: GASOLINE RANG	E				Analys	st: NSB			
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	5/3/2022 3:51:56 PM	67198			
Surr: BFB	112	37.7-212	%Rec	1	5/3/2022 3:51:56 PM	67198			
EPA METHOD 8021B: VOLATILES					Analys	st: NSB			
Benzene	ND	0.025	mg/Kg	1	5/3/2022 3:51:56 PM	67198			
Toluene	ND	0.049	mg/Kg	1	5/3/2022 3:51:56 PM	67198			
Ethylbenzene	ND	0.049	mg/Kg	1	5/3/2022 3:51:56 PM	67198			
Xylenes, Total	ND	0.099	mg/Kg	1	5/3/2022 3:51:56 PM	67198			
Surr: 4-Bromofluorobenzene	108	70-130	%Rec	1	5/3/2022 3:51:56 PM	67198			

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

Qualifiers:

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

Page 9 of 20

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2204D47

Date Reported: 5/12/2022

CLIENT: GHD Midland Project: Robinson B Federal	Client Sample ID: SB-2 (15') Collection Date: 4/27/2022 11:45:00 AM						
Lab ID: 2204D47-010	Matrix: SOIL		Received Dat	e: 4/3	30/2022 8:30:00 AM		
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analys	t: NAI	
Chloride	170	60	mg/Kg	20	5/4/2022 2:52:40 AM	67235	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	t: SB	
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	5/3/2022 4:21:50 PM	67217	
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	5/3/2022 4:21:50 PM	67217	
Surr: DNOP	81.2	51.1-141	%Rec	1	5/3/2022 4:21:50 PM	67217	
EPA METHOD 8015D: GASOLINE RANG	E				Analys	t: NSB	
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	5/3/2022 4:15:30 PM	67198	
Surr: BFB	112	37.7-212	%Rec	1	5/3/2022 4:15:30 PM	67198	
EPA METHOD 8021B: VOLATILES					Analys	t: NSB	
Benzene	ND	0.024	mg/Kg	1	5/3/2022 4:15:30 PM	67198	
Toluene	ND	0.048	mg/Kg	1	5/3/2022 4:15:30 PM	67198	
Ethylbenzene	ND	0.048	mg/Kg	1	5/3/2022 4:15:30 PM	67198	
Xylenes, Total	ND	0.096	mg/Kg	1	5/3/2022 4:15:30 PM	67198	
Surr: 4-Bromofluorobenzene	111	70-130	%Rec	1	5/3/2022 4:15:30 PM	67198	

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

* Value exceeds Maximum Contaminant Level. **Qualifiers:**

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

Page 10 of 20

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2204D47

Date Reported: 5/12/2022

CLIENT: GHD Midland		Cl	ient Sample II	D: SE	B-2 (20')	
Project: Robinson B Federal		(Collection Dat	e: 4/2	27/2022 11:50:00 AM	
Lab ID: 2204D47-011	Matrix: SOIL		Received Dat	e: 4/3	30/2022 8:30:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: LRN
Chloride	2800	150	mg/Kg	50	5/4/2022 6:51:59 PM	67235
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	t: ED
Diesel Range Organics (DRO)	210	9.3	mg/Kg	1	5/4/2022 10:40:08 AM	67217
Motor Oil Range Organics (MRO)	200	47	mg/Kg	1	5/4/2022 10:40:08 AM	67217
Surr: DNOP	94.9	51.1-141	%Rec	1	5/4/2022 10:40:08 AM	67217
EPA METHOD 8015D: GASOLINE RANGE	E				Analys	t: NSB
Gasoline Range Organics (GRO)	ND	23	mg/Kg	5	5/3/2022 4:38:59 PM	67198
Surr: BFB	113	37.7-212	%Rec	5	5/3/2022 4:38:59 PM	67198
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.12	mg/Kg	5	5/3/2022 4:38:59 PM	67198
Toluene	ND	0.23	mg/Kg	5	5/3/2022 4:38:59 PM	67198
Ethylbenzene	ND	0.23	mg/Kg	5	5/3/2022 4:38:59 PM	67198
Xylenes, Total	ND	0.47	mg/Kg	5	5/3/2022 4:38:59 PM	67198
Surr: 4-Bromofluorobenzene	110	70-130	%Rec	5	5/3/2022 4:38:59 PM	67198

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

Qualifiers:

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

Page 11 of 20

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2204D47

Date Reported: 5/12/2022

CLIENT: GHD Midland		Cli	ient Sample II	D: SH	3-2 (25')	
Project: Robinson B Federal		(Collection Dat	e: 4/2	27/2022 12:05:00 PM	
Lab ID: 2204D47-012	Matrix: SOIL		Received Dat	e: 4/.	30/2022 8:30:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	st: NAI
Chloride	320	60	mg/Kg	20	5/4/2022 3:17:21 AM	67235
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	st: SB
Diesel Range Organics (DRO)	15	9.8	mg/Kg	1	5/3/2022 5:09:36 PM	67217
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	5/3/2022 5:09:36 PM	67217
Surr: DNOP	100	51.1-141	%Rec	1	5/3/2022 5:09:36 PM	67217
EPA METHOD 8015D: GASOLINE RANGI	E				Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	5/3/2022 6:12:54 PM	67198
Surr: BFB	98.8	37.7-212	%Rec	1	5/3/2022 6:12:54 PM	67198
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.024	mg/Kg	1	5/3/2022 6:12:54 PM	67198
Toluene	ND	0.048	mg/Kg	1	5/3/2022 6:12:54 PM	67198
Ethylbenzene	ND	0.048	mg/Kg	1	5/3/2022 6:12:54 PM	67198
Xylenes, Total	ND	0.096	mg/Kg	1	5/3/2022 6:12:54 PM	67198
Surr: 4-Bromofluorobenzene	99.6	70-130	%Rec	1	5/3/2022 6:12:54 PM	67198

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

* Value exceeds Maximum Contaminant Level. **Qualifiers:**

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

Page 12 of 20

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2204D47

Date Reported: 5/12/2022

CLIENT: GHD Midland Project: Robinson B Federal	Client Sample ID: SB-2 (30') Collection Date: 4/27/2022 12:10:00 PM							
Lab ID: 2204D47-013	Matrix: SOIL Received Date: 4/30/2022 8:30:00 A							
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analys	st: NAI		
Chloride	ND	61	mg/Kg	20	5/4/2022 3:29:42 AM	67235		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	st: SB		
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	5/3/2022 5:33:29 PM	67217		
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	5/3/2022 5:33:29 PM	67217		
Surr: DNOP	99.0	51.1-141	%Rec	1	5/3/2022 5:33:29 PM	67217		
EPA METHOD 8015D: GASOLINE RANG	E				Analys	t: NSB		
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	5/3/2022 6:36:22 PM	67198		
Surr: BFB	107	37.7-212	%Rec	1	5/3/2022 6:36:22 PM	67198		
EPA METHOD 8021B: VOLATILES					Analys	t: NSB		
Benzene	ND	0.024	mg/Kg	1	5/3/2022 6:36:22 PM	67198		
Toluene	ND	0.048	mg/Kg	1	5/3/2022 6:36:22 PM	67198		
Ethylbenzene	ND	0.048	mg/Kg	1	5/3/2022 6:36:22 PM	67198		
Xylenes, Total	ND	0.096	mg/Kg	1	5/3/2022 6:36:22 PM	67198		
Surr: 4-Bromofluorobenzene	107	70-130	%Rec	1	5/3/2022 6:36:22 PM	67198		

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

Qualifiers:

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

Page 13 of 20

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client:	GHD M	idland						
Project:	Robinso	n B Federal						
Sample ID:	MB-67234	SampType: mblk	Те	stCode: EPA Metho	d 300.0: Anions			
Client ID:	PBS	Batch ID: 67234		RunNo: 87695				
Prep Date:	5/3/2022	Analysis Date: 5/3/2022	2	SeqNo: 3106818	Units: mg/Kg			
Analyte		Result PQL SPK	value SPK Ref Val	%REC LowLim	t HighLimit	%RPD	RPDLimit	Qual
Chloride		ND 1.5						
Sample ID:	LCS-67234	SampType: Ics	Те	stCode: EPA Metho	d 300.0: Anions			
Client ID:	LCSS	Batch ID: 67234		RunNo: 87695				
Prep Date:	5/3/2022	Analysis Date: 5/3/2022	2	SeqNo: 3106819	Units: mg/Kg			
Analyte		Result PQL SPK	value SPK Ref Val	%REC LowLim	t HighLimit	%RPD	RPDLimit	Qual
Chloride		14 1.5	15.00 0	92.8 90) 110			
Sample ID:	MB-67235	SampType: mblk	Те	stCode: EPA Metho	d 300.0: Anions			
Client ID:	PBS	Batch ID: 67235		RunNo: 87695				
Prep Date:	5/3/2022	Analysis Date: 5/4/2022	2	SeqNo: 3106851	Units: mg/Kg			
Analyte		Result PQL SPK	value SPK Ref Val	%REC LowLim	t HighLimit	%RPD	RPDLimit	Qual
Chloride		ND 1.5						
Sample ID:	LCS-67235	SampType: Ics	Те	stCode: EPA Metho	d 300.0: Anions			
Client ID:	LCSS	Batch ID: 67235		RunNo: 87695				
Prep Date:	5/3/2022	Analysis Date: 5/4/2022	2	SeqNo: 3106852	Units: mg/Kg			
Analyte		Result PQL SPK	value SPK Ref Val	%REC LowLim	t HighLimit	%RPD	RPDLimit	Qual
Chloride		14 1.5	15.00 0	92.4 90) 110			

Qualifiers:

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

2204D47

12-May-22

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

2204D47	WO#:
12-May-22	

Client: GHD Mid Project: Robinson	lland B Federal										
Sample ID: MB-67217	SampType: MI	BLK	Tes	tCode: EF	A Method	8015M/D: Dies	el Range	Organics			
Client ID: PBS	Batch ID: 67	217	F	RunNo: 87	671						
Prep Date: 5/3/2022	Analysis Date: 5/	3/2022	S	SeqNo: 31	04862	Units: mg/Kg	9				
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	5.3	10.00		52.7	51.1	141					
Sample ID: LCS-67217	SampType: LC	S	Tes	tCode: EF	A Method	8015M/D: Dies	el Range	Organics			
Client ID: LCSS	Batch ID: 67	217	F	RunNo: 87	694						
Prep Date: 5/3/2022	Analysis Date: 5/	3/2022	S	SeqNo: 31	05649	Units: mg/Kg	J				
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Diesel Range Organics (DRO)	49 10	50.00	0	97.8	68.9	135					
Surr: DNOP	3.8	5.000		75.1	51.1	141					
Sample ID: LCS-67221	SampType: LC	S	Tes	tCode: EF	A Method	8015M/D: Dies	el Range	Organics			
Client ID: LCSS	Batch ID: 67	221	RunNo: 87713								
Prep Date: 5/3/2022	Analysis Date: 5/	3/2022	S	SeqNo: 31	05915	Units: mg/Kg	J				
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Diesel Range Organics (DRO)	44 10	50.00	0	87.3	68.9	135					
Surr: DNOP	4.6	5.000		92.5	51.1	141					
Sample ID: MB-67221	SampType: MI	BLK	Tes	tCode: EF	A Method	8015M/D: Dies	el Range	Organics			
Client ID: PBS	Batch ID: 67	221	F	RunNo: 87	713						
Prep Date: 5/3/2022	Analysis Date: 5/	3/2022	S	SeqNo: 31	05920	Units: mg/Kg	J				
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Diesel Range Organics (DRO)	ND 10										
Motor Oil Range Organics (MRO)	ND 50										
Surr: DNOP	9.7	10.00		97.3	51.1	141					
Sample ID: MB-67314	SampType: MI	BLK	Tes	tCode: EF	A Method	8015M/D: Dies	el Range	Organics			
Client ID: PBS	Batch ID: 67	314	F	RunNo: 87	/864						
Prep Date: 5/6/2022	Analysis Date: 5/	10/2022	S	SeqNo: 31	16791	Units: %Rec					
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Surr: DNOP	10	10.00		102	51.1	141					

Qualifiers:

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

Page 15 of 20

Client: Project:	GHD M Robinso	idland n B Federal									
Sample ID:	.CS-67314	SampT	ype: LC	S	Tes	tCode: EF	A Method	8015M/D: Dies	sel Range	Organics	
Client ID:	.CSS	Batch	ID: 673	314	F	RunNo: 87	864				
Prep Date:	5/6/2022	Analysis Da	ate: 5/	10/2022	5	SeqNo: 31	16792	Units: %Rec			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		4.9		5.000		98.0	51.1	141			

Qualifiers:

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

2204D47

12-May-22

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#:	2204D47
	12 14 22

12-May-22

Client:	GHD Mid	land									
Project:	Robinson	B Federal									
Sample ID:	mb-67198	SampT	уре: МЕ	BLK	Tes	tCode: EF	PA Method	8015D: Gasol	ine Range		
-	PBS		ID: 671			RunNo: 87					
Prep Date:	5/2/2022	Analysis D	ate: 5/3	3/2022	S	SeqNo: 31	105102	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%RFC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
,	e Organics (GRO)	ND	5.0	orrevalue	of iter to var	/////20	LowLink	- iigitzittik			Quai
Surr: BFB		1100		1000		106	37.7	212			
Sample ID:	lcs-67198	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8015D: Gasol	ine Range		
Client ID:	LCSS	Batch	ID: 671	198	F	RunNo: 87	7675				
Prep Date:	5/2/2022	Analysis D	ate: 5/ :	3/2022	S	SeqNo: 31	105103	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range	e Organics (GRO)	28	5.0	25.00	0	112	72.3	137			
Surr: BFB		2300		1000		229	37.7	212			S
Sample ID:	2204d47-005ams	SampT	ype: MS	5	Tes	tCode: EF	PA Method	8015D: Gasol	ine Range		
Client ID:	SB-1 (25')	Batch	ID: 671	98	F	RunNo: 87	7675				
Prep Date:	5/2/2022	Analysis D	ate: 5/ 3	3/2022	S	SeqNo: 31	105105	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
-	e Organics (GRO)	26	25	24.98	0	104	70	130			
Surr: BFB		6600		4995		133	37.7	212			
Sample ID:	2204d47-005amsd	SampT	ype: MS	D	Tes	tCode: EF	PA Method	8015D: Gasol	ine Range		
Client ID:	SB-1 (25')	Batch	ID: 671	198	F	RunNo: 87	7675				
Prep Date:	5/2/2022	Analysis D	ate: 5/3	3/2022	S	SeqNo: 31	105106	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
-	e Organics (GRO)	26	25	25.00	0	103	70	130	0.480	20	
Surr: BFB		6500		5000		130	37.7	212	0	0	
Sample ID:	lcs-67192	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8015D: Gasol	ine Range		
Client ID:	LCSS	Batch	ID: 671	192	F	RunNo: 8 7	7706				
Prep Date:	5/2/2022	Analysis D	ate: 5/3	3/2022	S	SeqNo: 31	105549	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
-	e Organics (GRO)	28	5.0	25.00	0	113	72.3	137			-
Surr: BFB		2200		1000		224	37.7	212			S
Sample ID:	mb-67192	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8015D: Gasol	ine Range		
Client ID:	PBS	Batch	ID: 671	192	F	RunNo: 87	7706				
Prep Date:	5/2/2022	Analysis D	ate: 5/ :	3/2022	S	SeqNo: 31	105550	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 17 of 20

	fidland on B Federal									
Sample ID: mb-67192	SampT	уре: МВ	BLK	Tes	tCode: EP	A Method	8015D: Gasol	ine Range	•	
Client ID: PBS	Batch	n ID: 671	92	F	RunNo: 87	706				
Prep Date: 5/2/2022	Analysis D	ate: 5/3	3/2022	S	SeqNo: 31	05550	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		99.8	37.7	212			

Qualifiers:

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

2204D47

12-May-22

Page 173 of 182

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#:	2204D47
	$12_{-}May_{-}22$

12-May-22

Client:GHD MidProject:Robinson		1										
Sample ID: mb-67198	Samp	Туре: МВ	BLK	Tes	stCode: EF	A Method	8021B: Volati	iles				
Client ID: PBS	Batc	h ID: 671	98	F	RunNo: 87	7675						
Prep Date: 5/2/2022	Analysis [Date: 5/3	3/2022	Ş	SeqNo: 31	05148	Units: mg/K	nits: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	ND	0.025										
Toluene	ND	0.050										
Ethylbenzene	ND	0.050										
Xylenes, Total	ND	0.10										
Surr: 4-Bromofluorobenzene	1.1		1.000		107	70	130					
Sample ID: LCS-67198	Samp ⁻	Type: LC	S	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batc	h ID: 671	98	F	RunNo: 87	'675						
Prep Date: 5/2/2022	Analysis [Date: 5/3	3/2022	S	SeqNo: 31	05149	Units: mg/K	g				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	0.93	0.025	1.000	0	93.4	80	120					
Toluene	0.98	0.050	1.000	0	97.5	80	120					
Ethylbenzene	0.98	0.050	1.000	0	98.4	80	120					
Xylenes, Total	2.9	0.10	3.000	0	98.1	80	120					
Surr: 4-Bromofluorobenzene	1.1		1.000		108	70	130					
Sample ID: 2204d47-006ams	Samp	Type: MS	;	Tes	stCode: EF	'A Method	8021B: Volati	iles				
Client ID: SB-1 (30')	Batc	h ID: 671	98	F	RunNo: 87	675						
Prep Date: 5/2/2022	Analysis [Date: 5/3	3/2022	S	SeqNo: 31	05152	Units: mg/K	(g				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	0.98	0.025	0.9843	0	99.5	68.8	120					
Toluene	1.0	0.049	0.9843	0	105	73.6	124					
Ethylbenzene	1.1	0.049	0.9843	0	108	72.7	129					
Xylenes, Total	3.2	0.098	2.953	0	108	75.7	126					
Surr: 4-Bromofluorobenzene	1.1		0.9843		108	70	130					
Sample ID: 2204d47-006amsd	Samp	Type: MS	D	Tes	stCode: EF	'A Method	8021B: Volati	iles				
Client ID: SB-1 (30')	Batc	h ID: 671	98	F	RunNo: 87	675						
Prep Date: 5/2/2022	Analysis [Date: 5/3	3/2022	S	SeqNo: 31	05153	Units: mg/K	(g				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	0.97	0.025	0.9823	0	98.2	68.8	120	1.49	20			
Toluene	1.0	0.049	0.9823	0	104	73.6	124	1.02	20			
Ethylbenzene	1.1	0.049	0.9823	0	107	72.7	129	1.05	20			
Xylenes, Total	3.2	0.098	2.947	0	107	75.7	126	1.37	20			
Surr: 4-Bromofluorobenzene	1.1		0.9823		108	70	130	0	0			

Qualifiers:

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

GHD Midland

Robinson B Federal

Client:

Project:

Client ID:

Prep Date:

Sample ID: Ics-67192

LCSS

5/2/2022

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

SampType: LCS

Batch ID: 67192

Analysis Date: 5/4/2022

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.025	1.000	0	88.3	80	120			
Toluene	0.90	0.050	1.000	0	89.5	80	120			
Ethylbenzene	0.90	0.050	1.000	0	89.8	80	120			
Xylenes, Total	2.7	0.10	3.000	0	89.9	80	120			
Surr: 4-Bromofluorobenzene	0.84		1.000		83.6	70	130			
Sample ID: mb-67192	Samp ⁻	Гуре: МЕ	LK	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: PBS	Batc	h ID: 671	92	F	RunNo: 87	7721				
Prep Date: 5/2/2022	Analysis [Date: 5/ 4	4/2022	5	SeqNo: 31	107579	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.80		1.000		80.1	70	130			

TestCode: EPA Method 8021B: Volatiles

Units: mg/Kg

RunNo: 87721

SeqNo: 3107578

Qualifiers:

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

Page 20 of 20

2204D47

12-May-22

HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmental . Albu TEL: 505-345-3975 Website: www.hau	490 querq FAX:	01 Hawkin nue, NM 8 505-345-4	s NE 7109 S 4107	Sample Log-In Check List					
Client Name: GHD Midland	Work Order Number:	2204	4D47			RcptNo: 1				
Received By: Juan Rojas 4	/30/2022 8:30:00 AM			Guard	9					
Completed By: Juan Rojas 4	/30/2022 9:41:48 AM			Guane	9					
Reviewed By: KPG 5-2-22				1						
Chain of Custody										
1. Is Chain of Custody complete?		Yes	V	No		Not Present				
2. How was the sample delivered?		Cou	rier							
Log In 3. Was an attempt made to cool the samples?		Yes		No	3					
4. Were all samples received at a temperature of	>0° C to 6.0°C	Yes		No [
5. Sample(s) in proper container(s)?		Yes		No [
6. Sufficient sample volume for indicated test(s)?		Yes	~	No [
7. Are samples (except VOA and ONG) properly p	reserved?	Yes		No [
8. Was preservative added to bottles?		Yes		No 🖪		NA 🗌				
9. Received at least 1 vial with headspace <1/4" fo	r AQ VOA?	Yes		No [NA 🗹				
10. Were any sample containers received broken?		Yes		No B		# of preserved				
1. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes	•	No 🗌		bottles checked for pH: (<2 or ≥12 unless no	ted)			
2. Are matrices correctly identified on Chain of Cus	stody?	Yes	~	No []	Adjusted?				
3. Is it clear what analyses were requested?			~	No 🗌	1		ala-			
 Were all holding times able to be met? (If no, notify customer for authorization.) 		Yes	\checkmark	No 🗌	/	Checked by: JNY	3017			
Special Handling (if applicable)										
15. Was client notified of all discrepancies with this	order?	Yes		No		NA 🔽				
Person Notified:	Date				-					
By Whom: Regarding:	Via:	eMa	ail 🗌 Pl	hone 🗌 F	ax [] In Person				
Client Instructions:										
16. Additional remarks: Sample 002,	Have water ?	1 +1	nem -	kpg 5	2.	22				
17. <u>Cooler Information</u> Cooler No Temp ^o C Condition Seal 1 0.1 Good	ntact Seal No Se	al Da	ite	Signed By						

Page 1 of 1

Cient:				H A	HALL F	NVTR	FNVTRONMFNTAL	
CHD	Candard	# Rush 48 4000		AN	AI YS	TST	ANALYSTS LABODATODY	
Mailing Address:	NOSON	B- Federal	4901	4901 Hawkins NE		nduerque	Albuquerque, NM 87109	
	Project #:	r (Tel. 5	Tel. 505-345-3975		Fax 505-3	505-345-4107	
Phone #:	50-01151 571	-05			Analy	Analysis Request	iest	
email or Fax#:	Project Manager: Becky. Haskell @ 94d. w	Haskell @ghd. w			[⊅] O		(tr	
QA/QC Package:		7	ьсв, ² св, ² св, ² св, ²		S '⁺Od		nəsdAV	
1: D Az Con	Sampler:		סצמ	()			uəs	
	TYes	ON D	10			(A	Pre	
EDD (Type)	olers: 1		ษอ	g p	tals,	1.1.1.1	I) W	
	Cooler Temp(including CF): U. ?-	()) 1-0-1-0-	12D(ethc	łt, <i>N</i> e	_	notilo	
Date Time Matrix Sample Name	Container Preservative Tvne and # Tvne	HEAL No.	22.2	M) 803 A SHA	S ARDS	S) 0229	otal Co	
1 1030 5		-001	X	3		1	L	t
1035 [5B-1 (10')		-00-			-			
1040 S&-1 (15,)		-013						
1045 SB-1 (20')		-001						
1055 53-1 (25')		-200-						
1105 53-1 (30')		-006						
1110 SB-1(35')		-007						
		-008						
2		-007						
11 45 SB-2 (15')		-010						
N 50 58-2 (20')		-011	11					
S	-	5	NN		1			
U19 1130 Relinquished by:	Received by: Via:	Van and Time	Remarks:					
	Received by: Via: Y	F N						e 177 of

Released to Imaging: 9/20/2022 2:02:30 РM

□ Level 4 (Full Validation) □ 2 □ Level 4 (Full Validation) 0.0 2 Compliance Samp 1 A 0.0 1 A 0.0 1 X 3.0 1 X 0.0 1 X X 1 X X 1 X X 1 X X 1 X X 1 X X 1 X X 1 X X 1 X X 1 X X 1 X X 1 X X 1 X X 1 X X 1 X X 1 X X 1 X X 1	Rush AB Anuc	binson B Federal 4901 Hawkins NE - Albuquerque, NM 87109	2574110-63 Tel. 505-345-3975 Fax 505-345-4107 Analysis Request	B's MRO) B's MSO↓	3) 2'. 10 / 10 / 10 / 10 / 10 /	о / DR /8082 pr 827(лr 827(2,		mp/instuding cr.): C.2-0.1_0.1 C.0 TPreservative HEAL No. BTEX / MT Preservative HEAL No. Preservation Type 2.0.1_0.1 C.0 Preservative HEAL No. Preservation Type 2.0.1_0.1 C.0					Via: Date Time Remarks: ULLLIAN VIB 1130 Via: Date Time
	□ Standard	Kobinson B Fel	12574110-03	Project Manager: Becky. Haskell Eghd.um		r. D Yes	olers: (Preservative				-	Via: ULLLIN AP
	1.1		-			Az Compliance Other	#						2

Attachment C Soil Boring Logs

\sim	(O)	/ERB	URDE	MENTATION LOG				Page	1 of 1
PROJECT	NAME: Robinson B Federal #1		HOLE D	ESIGNATION: SB-1					
	NUMBER: 12574110			OMPLETED: 27 April 2022					
	EOG Resources			IG METHOD: Air Rotary/Split	Spoons	and C	uttina	s	
	N: Eddy County, New Mexico			ERSONNEL: L. Mullins	•		5		
	CONTRACTOR: HCI Drilling			R: K. Cooper					
			DEPTH Berehele			PLE			
ft BGS	STRATIGRAFIIC DESCRIPTION & REWARKS		BGS	Borenoie	К	/AL	(%	DE DE	TPH g)
					NUMBER	INTERVAL	REC (%)	CHLORIDE (mg/kg)	TOTAL TPH (mg/kg)
-	SP-SAND, fine to medium grained sand, light brown to brown, dry								
-2									
	- black, very moist, odor at 3.00ft BGS				5			<60	4260
-4	- with clay, light brown at 5.00ft BGS				5	1		<00	4200
-6	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,								
-8					10'		1	<61	1810
- 10						<u> </u>	-		
10			-						
- 12			13.00						
- 14	CL-SANDY CLAY, brown to dark brown, moist, odor				15'			67	1110
10							1		
- 16									
- 18				Cement			-		
					20'			140	3810
- 20							1		
- 22									
							-		
- 24					25			230	<49
- 26									
-28 -	SP-SAND, fine to medium grained sand, light		28.00		30'		1	150	<50
- 30	brown to red, dry				30		-	150	-50
- 32									
- 34					35'			<60	<47
	END OF BOREHOLE @ 35.00ft BGS		35.00				1		
- 36									
- 38									
-40									
-42									
- 44									
- 46									
	OTES: MEASURING POINT ELEVATIONS MAY CHAN	OF. DEE							
	OTES MEASURING POINT ELEVATIONS MAY CHAN								

GHD	STRATIGRAPHIC A (O\		NSTRU URDEI					Page	1 of 1	
PROJECT	T NAME: Robinson B Federal #1		HOLE D	ESIGNATION: SB-2						
PROJECT	T NUMBER: 12574110		DATE C	OMPLETED: 27 April 2022						
CLIENT:	EOG Resources		DRILLIN	IG METHOD: Air Rotary/Split	Spoons	and C	utting	3		
LOCATIO	N: Eddy County, New Mexico		FIELD P	ERSONNEL: L. Mullins						
DRILLING	G CONTRACTOR: HCI Drilling		DRILLE	R: K. Cooper						
DEPTH				DEPTH Borehole		SAMPLE				
ft BGS			BGS		ER	VAL	(%)	(g)	(g)	
					NUMBER	INTERVAL	REC (%)	CHLORIDE (mg/kg)	TOTAL TPH (mg/kg)	
-	SP-SAND, light brown to brown, dry						-		Ĕ	
-2							400	100		
					5	1	100	130	<48	
-4										
-6										
-8]							
0	- with clay, reddish light brown at 9.00ft BGS				10'		100	280	<47	
- 10										
- 12										
	- light brown to brown at 13.00ft BGS						-			
- 14			15.00	Cement	15)	100	170	<50	
- 16	CL-SANDY CLAY, brown to red, dry		13.00	Cement						
- 18					20'		100	3000	410	
- 20							-			
- 22										
							-			
- 24					25		100	1700	15	
-26										
- 28	SP-SAND, fine to medium grained sand, light brown to red, dry		28.00		30'		100	<61	<50	
- 30 -	END OF BOREHOLE @ 30.00ft BGS		30.00				-			
- 32										
- 34										
- 36										
- 38										
-40										
- 42										
- 44										
-46										
[N	NOTES: MEASURING POINT ELEVATIONS MAY CHANG	GE; REFI	ER TO CUF	RENT ELEVATION TABLE			1		I	
	CHEMICAL ANALYSIS									

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

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

District III

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

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

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

CONDITIONS

Operator:	OGRID:					
EOG RESOURCES INC	7377					
P.O. Box 2267	Action Number:					
Midland, TX 79702	131737					
	Action Type:					
	[C-141] Release Corrective Action (C-141)					

CONDITIONS

Created By		Condition Date
jnobui	Remediation Plan Approved.	9/20/2022

Page 182 of 182

Action 131737