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

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	nAPP2202759509
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

			тевр	onsible i ai	¹ J	
Responsible Party EOG Resources, Inc			OGRID	OGRID 7377		
Contact Name Chase Settle			Contact T	Contact Telephone 575-748-1471		
Contact ema	il Chase_S	Settle@eogresource	es.com	Incident 7	# nAPP2202759509	
Contact mail	ing address	104 S. 4th Street, A	Artesia, NM 8821	.0	-	
			Location	of Release S	Source	
Latitude 32.7	79189		(NAD 83 in dec	Longitude	-104.06366 imal places)	
Site Name R	Robinson B F	Federal #1		Site Type	Battery	
Date Release	Discovered	1/26/2022		API# 30-0	15-03766	
Unit Letter	Section	Township	Range	County]
F	34	17S	29E	Eddy		
	Materia		Nature and	l Volume of	ic justification for the	volumes provided below)
X Crude Oil		Volume Release	· / Olikilov	wn	Volume Recovered (bbls) 0	
X Produced	Water	Volume Release	· · · · · · · · · · · · · · · · · · ·		Volume Recovered (bbls) 0	
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?			hloride in the	X Yes N	[0
Condensa	ite	Volume Release			Volume Recovered (bbls)	
Natural G	ias	Volume Released (Mcf)		Volume Recovered (Mcf)		
Other (describe) Volume/Weight Released (provide units)		e units)	Volume/Weig	ght Recovered (provide units)		
Cause of Re	proce 01/2	ess. The enviro	nmental consu	ltant contracted	d to perform th	g of the battery as part of plugging ne remediation determined on cleased most likely breached the

73		-		•	-	-
Pag	e	2	O	t.	14	. 7
- "	•	_	~,	-		-

Incident ID	nAPP2202759509
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the respon	sible party consider this a major release?
☐ Yes ☑ No		
If YES, was immediate n	otice given to the OCD? By whom? To wh	om? When and by what means (phone, email, etc)?
	Initial Ro	esponse
The responsible	party must undertake the following actions immediatel	unless they could create a safety hazard that would result in injury
☐ The source of the rele	ease has been stopped.	
✓ The impacted area ha	s been secured to protect human health and	the environment.
Released materials ha	ave been contained via the use of berms or d	ikes, absorbent pads, or other containment devices.
<u> </u>	ecoverable materials have been removed and d above have <u>not</u> been undertaken, explain v	
has begun, please attach	a narrative of actions to date. If remedial	emediation immediately after discovery of a release. If remediation efforts have been successfully completed or if the release occurred lease attach all information needed for closure evaluation.
regulations all operators are public health or the environi failed to adequately investig	required to report and/or file certain release noti ment. The acceptance of a C-141 report by the C ate and remediate contamination that pose a thre	pest of my knowledge and understand that pursuant to OCD rules and fications and perform corrective actions for releases which may endanger CD does not relieve the operator of liability should their operations have at to groundwater, surface water, human health or the environment. In responsibility for compliance with any other federal, state, or local laws
Printed Name: Chase	Settle	Title: Rep Safety & Environmental Sr
Signature: Chase	Settle	Date: 02/01/2022
email: Chase_Settle	@eogresources.com	Telephone: <u>575-748-1471</u>
OCD Only		
Received by:		Date:

te of New Mexico
Incident ID nAPP

Incident ID	nAPP2202759509
District RP	
Facility ID	
Application ID	

Page 3 of 147

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

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

Received by OCD: 4/20/2022 5:04:26 PM Form C-141 State of New Mexico Oil Conservation Division Page 4

	Page 4	of 1	47
n A DD22027	50500		

Incident ID	nAPP2202759509
District RP	
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		
Printed Name: Chase Settle	Title: Rep Safety & Environmental Sr.	
Signature: Chase Settle	Date: 4/20/2022	
email:Chase Settle@eogresources.com	Telephone: <u>575-748-1471</u>	
OCD Only		
Received by:	Date:	

2135 S. Loop 250 W, Midland, Texas 79703 United States www.ghd.com GHD 147

Our ref: 12574110

April 19, 2022

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

Re: Site Characterization and Delineation Work Plan

Robinson B Federal #1 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 Site Characterization and Delineation 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 (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 release was discovered on land managed by the 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 and, Site Assessment/Characterization portions of Form C-141 are attached to the front of this report.

Groundwater and Site Characterization 3.

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 three hundred (300) feet of a significant watercourse. Additionally, the Site is located within three hundred 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) below ground surface. The Site characterization documentation (Karst Potential, FEMA, Points of Diversion and Wetlands maps) are provided in Attachment A. The soil and closure criteria are listed below:

General Site Characterization and Groundwater:

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

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

Constituent	Limits
Chloride	600 mg/kg
TPH (GRO+DRO+MRO)	100 mg/kg
TPH (GRO+DRO)	Not Applicable
Benzene	10 mg/kg
BTEX	50 mg/kg

Initial Soil Delineation Assessment Summary and Findings 4.

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 bgs. All soil samples were analyzed for BTEX by EPA Method 8021B, 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, 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.

nAPP2115335335 Proposed Work Plan 5.

Test pits TP5, TP7, TP8, TP9, TP10, TP11, TP12, TP14, TP15, & TP17 were vertically delineated during the initial sampling events while test pits TP1, TP2, TP3 were not. Test pits TP1, TP2, TP3 exhibited Total TPH and/or chloride concentrations above Table 1 closure criteria to a depth of nineteen (19) feet below ground surface for TP1 and TP3 and twenty (20) feet below ground surface for TP2. For

→ The Power of Commitment

completion of vertical delineation of Total TPH and chloride impacts, GHD and a drilling contractor will install two (2) borings strategically positioned between the areas that could not be vertically delineated. During boring installation, samples will be obtained every five (5) to ten (10) feet starting at five (5) feet below ground surface until field screening and observations indicate the borings are delineated. Select soil samples will be analyzed for BTEX by EPA Method 8021B, TPH by Method 8015B Modified, and chloride by EPA Method 300 by Hall Environmental Analysis Laboratory (HEAL) in Albuquerque, New Mexico. The proposed soil boring locations are depicted on Figure 2, Site Assessment: Soil Analytical Results Map.

Once analytical results are obtained from the laboratory they will be evaluated, and a remediation work plan will be prepared and submitted to the NMOCD for evaluation within 90 days.

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

Sincerely,

GHD

Becky Haskell

Senior Project Manager

Zach H. Comino Field Geologist

BH/ZC/1

Encl. Figure 1 – Site Location Map

Rebecca Haskell

Figure 2 – Site Assessment: Soil Analytical Results Map

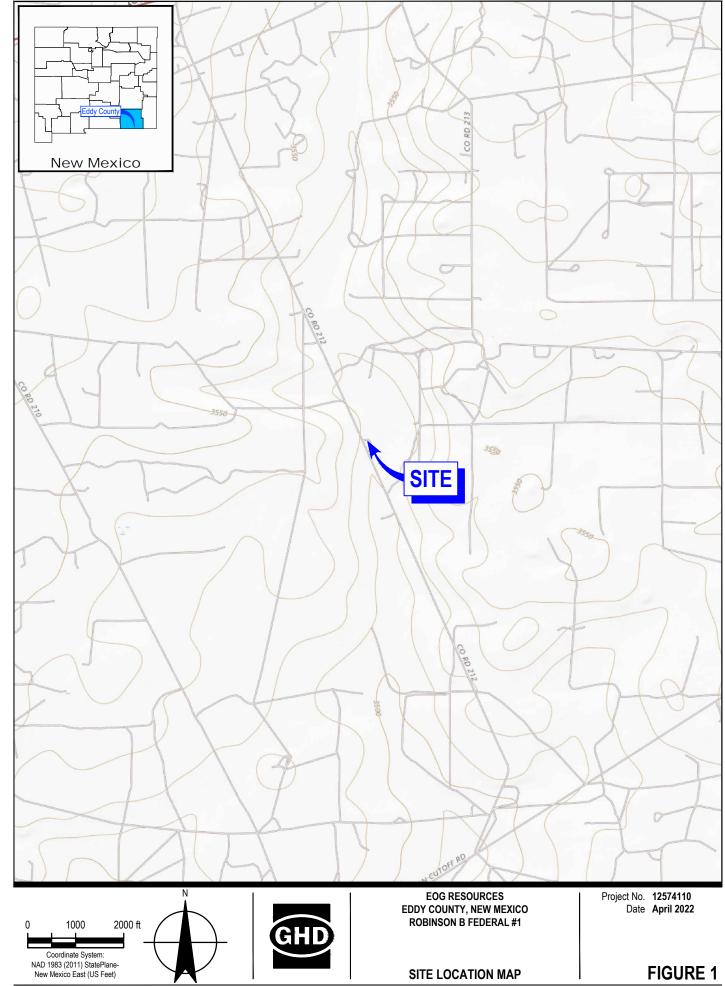
Table 1 - Summary of Soil Analytical Data

Attachment A – Site Characterization Documentation

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

cc: Chase Settle

Figures



LEGEND

TEST PIT LOCATION

PROPOSED SOIL BORING LOCATION

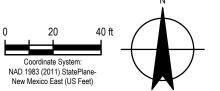
DEPTH DEPTH OF SAMPLE (FT)

BENZENE, TOLUENE, ETHYLBENZENE & BTFX XYLENES CONCENTRATION (MG/KG)

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**

SITE ASSESSMENT: SOIL ANALYTICAL RESULTS MAP Project No. 12574110 Date April 2022

Total Petroleum

Hydrocarbons

(TPH)

Total

GRO/DRO/MRO

(mg/kg)

100 mg/kg

1.910

1,650

1,830

<49

1,860

136

233

1,500

236

63

9.7

<49

<50

<45

320

<46

1,250

3,900

3,030

306

76

<48

<49

1,880

6,200

1,110

<50

90

<50

<49

<47

<48

<49

<50

<47

<48

<49

<47

<47

Table I Closure Criteria for Soils <50 feet Depth to

Groundwater 19.15.29 NMAC

Chloride

(mg/kg)

600 mg/kg

1,500

140

140

130

<60

<60

<60

<60

240

<61

560

160

140

94

<60

69

<60

<60

<60

97

150

<61

<60

<60

<60

<60

<61

<60

<60

<60

<60

<60

<60

<60

<59

<60

<60

<60

<60

BTEX

(mg/kg)

50 mg/kg

< 0.50

< 0.49

< 0.50

< 0.098

< 0.48

< 0.48

< 0.49

< 0.097

< 0.099

< 0.10

< 0.093

< 0.10

< 0.10

< 0.092

< 0.097

< 0.095

< 0.50

< 0.48

< 0.48

< 0.10

< 0.095

< 0.099

< 0.10

< 0.099

< 0.10

<0.098

< 0.096

< 0.099

< 0.097

< 0.097

< 0.095

< 0.097

< 0.096

< 0.094

< 0.098

< 0.099

< 0.097

< 0.098

< 0.093

Benzene

10 mg/kg

< 0.12

< 0.12

< 0.12

< 0.024

< 0.12

< 0.12

< 0.12

< 0.024

< 0.025

< 0.025

< 0.023

<0.025

< 0.025

< 0.023

< 0.024

< 0.024

< 0.12

< 0.12

< 0.12

<0.025

< 0.024

< 0.025

< 0.025

< 0.025

< 0.025

< 0.025

<0.024

<0.025

< 0.024

< 0.024

<0.024

< 0.024

< 0.024

< 0.023

< 0.024

<0.025

< 0.024

< 0.025

< 0.023

Initial Assessment Samples

Depth

(ft bgs)

Surface

4

8

Surface

6

8

12

14

Surface

2

4

Surface

2

4

Surface

12

14

Surface

2

4

8

10

Surface

2

Surface

2

Surface

Surface

2

Surface

2

Surface

Date

2/18/22

2/18/22

2/18/22

3/23/22

2/18/22

2/18/22

2/18/22

3/23/22

3/23/22

3/23/22

2/21/22

2/21/22

2/21/22

2/21/22

2/21/22

2/21/22

2/21/22

2/21/22

2/21/22

2/21/22

3/23/22

3/23/22

3/23/22

3/23/22

3/23/22

3/23/22

3/23/22

3/23/22

3/23/22

3/24/22

3/24/22

3/24/22

3/24/22

3/24/22

3/24/22

3/24/22

3/24/22

3/24/22

3/24/22

TP11-S

TP11-2

TP11-4

TP11-8

TP12-S

TP12-4

TP12-6

TP12-8

TP12-12

TP12-14

TP13-S

TP13-2

TP13-4

TP14-S

TP14-2

TP14-4

TP15-S

TP15-4

TP15-8

TP15-12

TP15-14

TP16-S

TP16-2

TP17-2

TP17-4

TP17-8

TP17-10

TP18-S

TP18-2

TP19-S

TP19-2

TP20-S

TP20-2

TP21-S

TP21-2

TP22-S

TP22-2

TP23-S

TP23-2

Tables

Table 1 Summary of Soil Analytical Data Robinson B Federal #1 EOG Resources Eddy County, New Mexico

								7	otal Petroleum	Hydrocarbons ((TPH)	
	Sample	Depth	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	Chloride
Sample ID	Date	(ft bgs)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
					Table I C	losure 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 Samp	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

Page 2 of 3

Received by OCD: 4/20/2022 5:04:26 PM

Table 1 Summary of Soil Analytical Data Robinson B Federal #1 EOG Resources Eddy County, New Mexico

									1	otal Petroleum	Hydrocarbons	(TPH)	
		Sample	Depth	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	Chloride
Sample	e 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	losure Criteria	for Soils <50 fe	eet Depth to Gro	oundwater 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	3-2	2/21/22	2	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.8	<49	<49	160
TP13	i-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	i-4	2/21/22	4	<0.12	<0.24	<0.24	<0.48	<0.48	<24	1,100	2,800	3,900	<60
TP15	i-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

Table 1 **Summary of Soil Analytical Data** Robinson B Federal #1 **EOG Resources Eddy County, New Mexico**

								7	otal Petroleum	Hydrocarbons (ТРН)	
	Sample	Depth	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	Chloride
Sample ID	Date	(ft bgs)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
					Table I C	Closure Criteria	for Soils <50 fe	et Depth to Gro	undwater 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

Notes:

- 1. Values reported in mg/kg
- < = Value Less than Reporting Limit (RL)
 Bold Indicates Analyte Detected

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

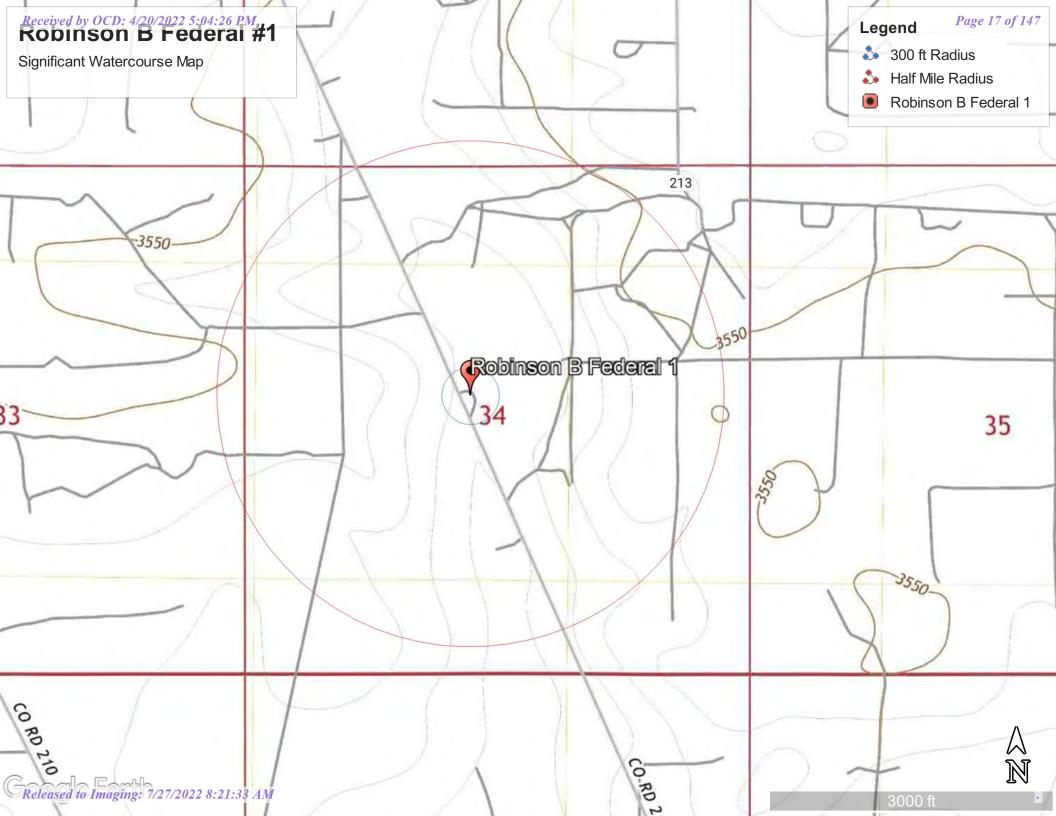
B-BH 2 Sample Point Excavated

- 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).
- 9. --- = not defined

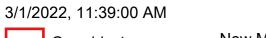
Attachment A Site Characterization Documentation





OSE POD Locations Map





Override 1 OSE District Boundary

New Mexico State Trust Lands

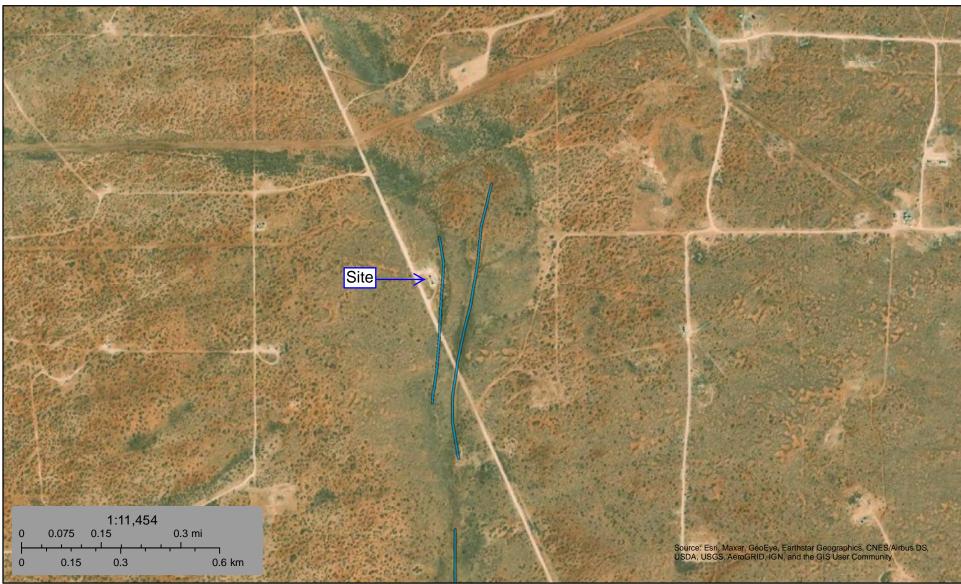
Both Estates SiteBoundaries Subsurface Estate

1:18,056 0.17 0.35 0.7 mi 0.3 0.6 1.2 km

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



Robinson B Federal #1



March 2, 2022

Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Freshwater Pond

Lake

Other

Riverine



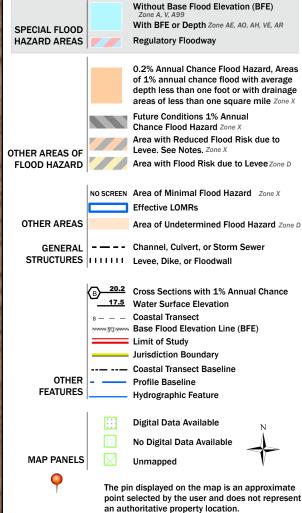
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Flood Hazard Layer FIRMette





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



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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 3/1/2022 at 12:27 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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



Attachment B Laboratory Analytical Reports and Chain-ofCustody Documentation



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

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

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 Freeman

Laboratory Manager

andy

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order **2202A39**Date Reported: **3/8/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP1-4

 Project:
 Robinson B Federal 1
 Collection Date: 2/17/2022 9:35:00 AM

 Lab ID:
 2202A39-001
 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 2:15:22 PM	65853
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS					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 RANGE						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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 25

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP1-12

 Project:
 Robinson B Federal 1
 Collection Date: 2/17/2022 9:45:00 AM

 Lab ID:
 2202A39-002
 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	: JMT
Chloride	970	60		mg/Kg	20	3/1/2022 2:52:37 PM	65853
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS					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 RANGE						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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 25

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

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
 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	110	60		mg/Kg	20	3/1/2022 3:05:01 PM	65853
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS					Analyst	: SB
Diesel Range Organics (DRO)	1800	460		mg/Kg	50	2/25/2022 12:37:00 AM	65766
Motor Oil Range Organics (MRO)	3100	2300		mg/Kg	50	2/25/2022 12:37:00 AM	65766
Surr: DNOP	0	51.1-141	S	%Rec	50	2/25/2022 12:37:00 AM	65766
EPA METHOD 8015D: GASOLINE RANGE						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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 3 of 25

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

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
 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	71	60		mg/Kg	20	3/1/2022 3:42:15 PM	65853
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS					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 RANGE						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
- H Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- 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 25

Analytical Report

Lab Order **2202A39**Date Reported: **3/8/2022**

Hall Environmental Analysis Laboratory, Inc.

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
 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	420	60		mg/Kg	20	3/1/2022 3:54:39 PM	65853
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS					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 RANGE						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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- 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

pipe pH Not in Range
Page 5 of 25

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

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 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	1100	60	mg/Kg	20	3/1/2022 4:07:04 PM	65853
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				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 RANGE					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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 6 of 25

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

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
 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 4:19:29 PM	65853
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS					Analyst	: 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						Analyst	: 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						Analyst	: 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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 7 of 25

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP3-2

 Project:
 Robinson B Federal 1
 Collection Date: 2/17/2022 12:35:00 PM

 Lab ID:
 2202A39-008
 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 4:31:54 PM	65853
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS					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 RANGE						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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- 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

pipe pH Not in Range
Page 8 of 25

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP3-4

 Project:
 Robinson B Federal 1
 Collection Date: 2/17/2022 12:40:00 PM

 Lab ID:
 2202A39-009
 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 4:44:19 PM	65853
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS					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 RANGE						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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- 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 25

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

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	: ЈМТ
Chloride	ND	60		mg/Kg	20	3/1/2022 4:56:43 PM	65853
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS					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 RANGE						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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- 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 10 of 25

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP4-12

 Project:
 Robinson B Federal 1
 Collection Date: 2/17/2022 1:25:00 PM

 Lab ID:
 2202A39-011
 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	230	59		mg/Kg	20	3/1/2022 5:09:07 PM	65853
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS					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 RANGE						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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- 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 25

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP4-16

 Project:
 Robinson B Federal 1
 Collection Date: 2/17/2022 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	: JMT
Chloride	86	60	mg/Kg	20	3/1/2022 5:21:32 PM	65853
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- 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 25

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP5-S

 Project:
 Robinson B Federal 1
 Collection Date: 2/17/2022 2:00:00 PM

 Lab ID:
 2202A39-013
 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	170	60		mg/Kg	20	3/1/2022 7:54:17 PM	65877
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS					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 RANGE						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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- 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 13 of 25

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP5-2

 Project:
 Robinson B Federal 1
 Collection Date: 2/17/2022 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	: ЈМТ
Chloride	320	60	mg/Kg	20	3/1/2022 8:06:41 PM	65877
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: 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					Analyst	: 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	: 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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- 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 25

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP5-4

 Project:
 Robinson B Federal 1
 Collection Date: 2/17/2022 2:10:00 PM

 Lab ID:
 2202A39-015
 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	ND	60		mg/Kg	20	3/1/2022 8:19:05 PM	65877
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS					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 RANGE						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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- 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 25

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP5-6

 Project:
 Robinson B Federal 1
 Collection Date: 2/17/2022 2:15:00 PM

 Lab ID:
 2202A39-016
 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 8:31:29 PM	65877
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS					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						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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- 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 16 of 25

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP6-2

 Project:
 Robinson B Federal 1
 Collection Date: 2/17/2022 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 ORG	SANICS				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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- 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 25

Analytical Report

Lab Order **2202A39**Date Reported: **3/8/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP6-4

 Project:
 Robinson B Federal 1
 Collection Date: 2/17/2022 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	: JMT
Chloride	350	60	mg/Kg	20	3/1/2022 8:56:18 PM	65877
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: 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	: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/25/2022 12:14:35 AM	65765
Surr: BFB	101	70-130	%Rec	1	2/25/2022 12:14:35 AM	65765
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	2/25/2022 12:14:35 AM	65765
Toluene	ND	0.050	mg/Kg	1	2/25/2022 12:14:35 AM	65765
Ethylbenzene	ND	0.050	mg/Kg	1	2/25/2022 12:14:35 AM	65765
Xylenes, Total	ND	0.10	mg/Kg	1	2/25/2022 12:14:35 AM	65765
Surr: 4-Bromofluorobenzene	96.8	70-130	%Rec	1	2/25/2022 12:14:35 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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- 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 18 of 25

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP6-6

 Project:
 Robinson B Federal 1
 Collection Date: 2/17/2022 3:00:00 PM

 Lab ID:
 2202A39-019
 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	460	61	mg/Kg	20	3/1/2022 9:08:43 PM	65877
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				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					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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- 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 25

Hall Environmental Analysis Laboratory, Inc.

WO#: 2202A39

08-Mar-22

Client: GHD Midland **Project:** Robinson 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: mq/Kq

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

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

Chloride 14 1.5 15.00 94.0 110

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: mq/Kq

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

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 90.8 90

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 TestCode: EPA Method 300.0: Anions SampType: Ics

Client ID: LCSS Batch ID: 65877 RunNo: 86214

Prep Date: 3/1/2022 Analysis Date: 3/2/2022 SeqNo: 3038867 Units: mg/Kg

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

14 1.5 Chloride 15.00 110

Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded Н

Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix interference

Analyte detected in the associated Method Blank

Estimated value

Analyte detected below quantitation limits

Sample pH Not In Range

RL Reporting Limit Page 20 of 25

Hall Environmental Analysis Laboratory, Inc.

ND

9.6

50

10.00

WO#: **2202A39** *08-Mar-22*

Client: GHD Midland
Project: Robinson B Federal 1

Motor Oil Range Organics (MRO)

Surr: DNOP

Sample ID: LCS-65766	SampType: LCS TestCode: I			tCode: El	EPA Method 8015M/D: Diesel Range Organics					
Client ID: LCSS	Batch	Batch ID: 65766 RunNo:			RunNo: 8	6063				
Prep Date: 2/23/2022	Analysis D	ate: 2/ 2	24/2022	S	SeqNo: 3	033009	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	96.0	68.9	135			
Surr: DNOP	4.3		5.000		85.4	51.1	141			
Sample ID: MB-65766	SampT	уре: МЕ	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: PBS	Batch	ID: 65 7	766	F	RunNo: 8	6063				
Prep Date: 2/23/2022	Analysis D	ate: 2/ 2	24/2022	S	SeqNo: 3	033013	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								

Sample ID: LCS-65777	SampType: LCS			Tes	TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch	n ID: 65	777	RunNo: 86122							
Prep Date: 2/24/2022	Analysis D	ate: 2/	25/2022	SeqNo: 3034562			Units: mg/K	(g			
Analyte	Result	PQL	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				

95.5

51.1

141

Sample ID: MB-65777	SampType: MBLK			Tes	TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch	Batch ID: 65777			RunNo: 86122						
Prep Date: 2/24/2022	Analysis D	ate: 2/ 2	25/2022	S	SeqNo: 30	034564	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	ND	10									
Motor Oil Range Organics (MRO)	ND	50									
Surr: DNOP	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
- B Analyte 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 21 of 25

Hall Environmental Analysis Laboratory, Inc.

WO#: **2202A39** *08-Mar-22*

Client: GHD Midland
Project: Robinson B Federal 1

Sample ID: mb-65765 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 65765 RunNo: 86074

Prep Date: 2/23/2022 Analysis Date: 2/24/2022 SeqNo: 3032804 Units: mg/Kg

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

Gasoline Range Organics (GRO) ND 5.0

Gasoline Range Organics (GRO) ND 5.0

 Surr: BFB
 1100
 1000
 108
 70
 130

Sample ID: Ics-65765 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 65765 RunNo: 86074

Prep Date: 2/23/2022 Analysis Date: 2/24/2022 SeqNo: 3032805 Units: mg/Kg

HighLimit Analyte Result PQL SPK value SPK Ref Val %REC LowLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 26 5.0 25.00 O 103 78.6 131 Surr: BFB 1200 1000 119 70 130

Sample ID: 2202a39-014ams SampType: MS TestCode: EPA Method 8015D: Gasoline Range

Client ID: **TP5-2** Batch ID: **65765** RunNo: **86074**

Prep Date: 2/23/2022 Analysis Date: 2/24/2022 SeqNo: 3032807 Units: mg/Kg

SPK value SPK Ref Val %REC %RPD **RPDLimit** Analyte Result POI LowLimit HighLimit Qual Gasoline Range Organics (GRO) 26 4.8 24.25 0 109 70 130 Surr: BFB 1200 969.9 119 70 130

Sample ID: 2202a39-014amsd SampType: MSD TestCode: EPA Method 8015D: Gasoline Range

Client ID: TP5-2 Batch ID: 65765 RunNo: 86074

Prep Date: 2/23/2022 Analysis Date: 2/24/2022 SeqNo: 3032808 Units: mg/Kg

SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Result PQL LowLimit Qual Gasoline Range Organics (GRO) 26 4.9 108 70 0.128 20 24 41 130 Surr: BFB 1200 976.6 118 70 130 0

Sample ID: Ics-65760 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 65760 RunNo: 86093

Prep Date: 2/23/2022 Analysis Date: 2/24/2022 SeqNo: 3033478 Units: mg/Kg

Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 29 5.0 0 78.6 25.00 116 131 Surr: BFB 1300 1000 125 70 130

Sample ID: mb-65760 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: **PBS** Batch ID: **65760** RunNo: **86093**

Prep Date: 2/23/2022 Analysis Date: 2/24/2022 SeqNo: 3033479 Units: mg/Kg

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

Qualifiers:

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

Page 22 of 25

Hall Environmental Analysis Laboratory, Inc.

WO#: **2202A39**

08-Mar-22

Client: GHD Midland
Project: Robinson B Federal 1

Sample ID: mb-65760 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 65760 RunNo: 86093

Prep Date: 2/23/2022 Analysis Date: 2/24/2022 SeqNo: 3033479 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 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
- B Analyte 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 23 of 25

Hall Environmental Analysis Laboratory, Inc.

WO#: 2202A39 08-Mar-22

Client: GHD Midland **Project:** Robinson B Federal 1

Sample ID: mb-65765 SampType: MBLK TestCode: EPA Method 8021B: Volatiles

Client ID: PBS Batch ID: 65765 RunNo: 86074

Prep Date: 2/23/2022 Analysis Date: 2/24/2022 SeqNo: 3032858 Units: mq/Kq

SPK value SPK Ref Val %REC %RPD **RPDLimit** Analyte Result PQL LowLimit HighLimit Qual Benzene ND 0.025

Toluene ND 0.050 0.050 Ethylbenzene ND Xylenes, Total ND 0.10

Surr: 4-Bromofluorobenzene 1.0 1.000 102 70 130

Sample ID: LCS-65765 SampType: LCS TestCode: EPA Method 8021B: Volatiles Client ID: LCSS Batch ID: 65765 RunNo: 86074

Analysis Date: 2/24/2022 SeqNo: 3032859 Prep Date: 2/23/2022 Units: mg/Kg

PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 1.000 0.85 0.025 0 85.3 80 120 Benzene Toluene 0.90 0.050 1.000 0 90.5 80 120 0 80 0.92 0.050 1.000 91.6 120 Ethylbenzene 0 91.7 Xylenes, Total 2.8 0.10 3.000 80 120 Surr: 4-Bromofluorobenzene 1.0 1.000 103 70 130

Sample ID: 2202a39-015ams SampType: MS TestCode: EPA Method 8021B: Volatiles

Client ID: TP5-4 Batch ID: 65765 RunNo: 86074

Prep Date: 2/23/2022 Analysis Date: 2/24/2022 SeqNo: 3032862 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 94.2 80 0.90 0.024 0.9597 n 120 Benzene Toluene 0.97 0.048 0.9597 0 101 80 120 0.01129 102 80 120 Ethylbenzene 0.99 0.048 0.9597 Xylenes, Total 3.0 0.096 2.879 0 103 80 120 Surr: 4-Bromofluorobenzene 0.97 0.9597 101 70 130

TestCode: EPA Method 8021B: Volatiles Sample ID: 2202a39-015amsd SampType: MSD

Client ID: TP5-4 Batch ID: 65765 RunNo: 86074

Prep Date: 2/23/2022	Analysis [Date: 2/	24/2022	S	SeqNo: 30	032863	Units: mg/K	(g		
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

Holding times for preparation or analysis exceeded Н

Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix interference

Analyte detected in the associated Method Blank

Е Estimated value

Analyte detected below quantitation limits

Sample pH Not In Range

RL Reporting Limit Page 24 of 25

Hall Environmental Analysis Laboratory, Inc.

WO#: **2202A39**

08-Mar-22

Client: GHD Midland
Project: Robinson B Federal 1

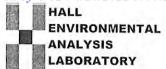
Sample ID: Ics-65760 SampType: LCS Client ID: LCS Batch ID: 65760				TestCode: EPA Method 8021B: Volatiles RunNo: 86093							
Prep Date: 2/23/2022	Analysis D	Date: 2/ 3	24/2022	S	SeqNo: 3	033667	Units: mg/K	(g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.97	0.025	1.000	0	97.0	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	SampT	Гуре: МЕ	BLK	TestCode: EPA Method 8021B: Volatiles									
Client ID: PBS	Batc	h ID: 65	760	RunNo: 86093									
Prep Date: 2/23/2022	Analysis D	Date: 2/	24/2022	8	SeqNo: 3	033669	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Benzene	ND	0.025											
Toluene	ND	0.050											
Ethylbenzene	ND	0.050											
Xylenes, Total	ND	0.10											
Surr: 4-Bromofluorobenzene	0.92		1.000		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
- B Analyte 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



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

Sample Log-In Check List

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

Client Name:	GHD Midland	Work Order Number:	2202	A39		RcptN	o: 1
Received By:	Cheyenne Cason	2/23/2022 7:45:00 AM			Chul		
Completed By:	Sean Livingston	2/23/2022 8:18:46 AM			Chul	/ ,	
Reviewed By	70	2 (23/22			21-6	1700-	
Chain of Cus	stody						
1. Is Chain of C	ustody complete?		Yes	~	No 🗌	Not Present	
2. How was the	sample delivered?		Cour	ier			
Log In							
3. Was an attern	npt made to cool the samp	les?	Yes	V	No 🗌	NA 🗆	
4. Were all samp	ples received at a tempera	ture of >0° C to 6.0°C	Yes	V	No 🗆	NA 🗆	
5. Sample(s) in	proper container(s)?		Yes	V	No 🗌		
6. Sufficient sam	nple volume for indicated te	est(s)?	Yes	~	No 🗆		
	except VOA and ONG) pro		Yes		No 🗌		
_	tive added to bottles?				No 🗹	NA 🗌	
9. Received at le	east 1 vial with headspace	<1/4" for AQ VOA?	Yes		No 🗌	NA 🔽	
10. Were any san	mple containers received b	roken?	Yes		No 🗸		
	ork match bottle labels? ancies on chain of custody)	Yes	V	No 🗆	# of preserved bottles checked for pH:	or 12 unless noted)
	correctly identified on Chair		Yes	V	No 🗌	Adjusted?	
13. Is it clear what	t analyses were requested	?	Yes	V	No 🗌		
	ng times able to be met? ustomer for authorization.)		Yes	V	No 🗌	Checked by:	KPG 2/23/2
Special Handl	ing (if applicable)						
15. Was client no	otified of all discrepancies v	vith this order?	Yes		No 🗌	NA 🗹	
Person	Notified:	Date:	-				
By Who		Via:] eMa	il 🔲	Phone Fax	In Person	
Regardi							
Client Ir	nstructions:						
16. Additional rei	marks:						
17. <u>Cooler Infor</u> Cooler No	Temp °C Condition	Seal Intact Seal No S	eal Da	ite	Signed By		
	1.0 Good						

											TO SERVER WALLE	
명			女 Standard	Rush	5 pay			N	LYS	SIS	LABOR	ANALYSIS LABORATORY
			Project Nam	ல்				WWW	hallen	ironme	www.hallenvironmental.com	
Mailing Address:	ess:		Robinson	1 3 Federal	eral #1	49	01 Haw	kins NE	- Alb	ndner	4901 Hawkins NE - Albuquerque, NM 87109	60
. Loop	250 W. Mic	2135 S. Loop 250 W. Midland, TX 79703	Project #:			Tel.	el. 505-3	505-345-3975	5	Fax 50	505-345-4107	
Phone #:	(432) 686-0086	36-0086	12574	1110					Analy	sis Re	Analysis Request	
email or Fax#:		Becky. Haskell@ghd.com	Project Manager:	iger:					*O			
QA/QC Package:	ge:		Becky Haskell	=		S08) AM \	CB,e	SMIS	S ԠO			
□ Standard		☐ Level 4 (Full Validation)	I om Larson				d 7	S0.	Ч '			
Accreditation:		☐ Az Compliance	Sampler:	Heath Boyd				_	NOs			
□ NELAC	□ Other		On Ice:	X Yes	□ No			10	_	·VC		
□ EDD (Type)	(e		# of Coolers:	2 6.70	9-61 Come			018	_			
			Cooler Temp(including CF):	S	3-0-63 cmc	9.00		S8 \	_	_		
			Container	Preservative	2/87/2 S		1 Pe	(d sl	8 A5 8 ,=) (A) 0	ebino	
Time	e Matrix	Sample Name	Type and #	Туре	22	1,000	1	НAЧ			100	
935	5	17-14	402. Jast/1	NA)00	2				H	R	
346	-	기 -14			200	8					Q	
356	10	TP1-19			500	2				Ħ	Q	
1045	10	2-24+			H00	2					X	
1050	9	8-24			500	2				H	×.	
1055	2	01-244			200	2 2					×	
1230	3	TP3-5		616	400	2					メ	
5821	15	2-544			800	2					×	
0421	0	TP3-4			500	e k					Z	
2251	3	H-4-4			010	シェ				H	¥	
1328	7	21-Hd-			110	X X					7	
1330	X	1-4-16	R	X.	210	メマ					ع	
ate: Time: /17/2/	Relinquished by:	ed by:	Received by:	Via:	Date Time	Rem	arks: PI Tom.La	ease e arson@	nail: C ghd.co	nase_S m; Zac	arks: Please email: Chase_Settle@eogresources. Tom.Larson@ghd.com; Zach.Comino@ghd.com;	Remarks: Please email: Chase_Settle@eogresources.com; Tom.Larson@ghd.com; Zach.Comino@ghd.com;
Time:	Relinquished by:	ned by:	Received by:	Via:	i=	Heath.B	eath.Bo	yd@gh	d.com,	Along w	Heath.Boyd@ghd.com Along with Becky Haskell listed ひたしこ	askell listed
9	00		j		, , , , ,	7.3-0	6.220-	Direc	t Bill to	FOG (Direct Bill to EOG Chase Settle	

Client: Gl	GHD								I			7.5	THE PERSON NAMED IN		
				A Standard	Rush	Samo			- ≪	ANAL	2 7	Y		HALL ENVIKONMENIAL ANALYSTS LABODATODY	, >
				Project Name					()	of word			Manus bellenvironmentel com		-
Mailing Address:	Idress:			Robinson	B Federal	21年1		4901	Jawkir	4901 Hawkins NE -		duero	lie NM	Albuquerane NM 87109	
2135 S. Lo	30p 25	0 W. Mid	2135 S. Loop 250 W. Midland, TX 79703	Project #:				Tel. 5	05-34	Tel. 505-345-3975		Fax 50	505-345-4107	1107	
Phone #:		(432) 686-0086	9800-9	321	0111521					1	Analys	is Re	Analysis Request		
email or Fax#:		Becky.H.	Becky. Haskell@ghd.com	Project Manager:	iger:		_	(0		-	70	H			Н
QA/QC Package:	kage:		Vacination II Velidation	Becky Haskell	=					SWIS	S '70				
□ Stallua	2		☐ Level 4 (rull validation)	I om Larson				_		30.	d '				
Accreditation:		□ Az Co	☐ Az Compliance	Sampler:	Heath Boyd				(1.1	728	1Os				
□ NELAC		□ Other		On Ice:	X Yes	□ No		_	Þ09		1 "	(AC	_		
□ EDD (Type)	ype)			# of Coolers:		0.0-021.6			pc						
				Cooler Temp(including CF):	3	3-022.3		11	letho						
	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	/ XЭТ8	08:H9T 9 1808	EDB (N	a shaq AADA	CI' E' E	V) 0528 S) 0728	Chloride		
1 11/2	1400	5	5-521	Horsel 1	NA	013		Q			_				H
,1 1	1405		7-521			710	2	R					Q		-
1 1	1410		4-504			510	2 Q	Q					L		
1	415		9-54			200	Q	Q					Q		
1!	1450		2-94			4:0		Q					ع		
1 1	1455		h-94+			8)()	2	Q					2		
8	200	X	9-941	X	×	510	2	0					2		
											+				
												+			
Date: Time: 2/17/71/20		Relinquished by:	Apr.	Received by:	Via:	<u></u>	_ <u>~</u>	emarks Tor	s: Plea	se ema	d.com	sse_S	ettle@e	Remarks: Please email: Chase_Settle@eogresources.com; Tom.Larson@ahd.com; Zach.Comino@ahd.com:	<u>.</u> .
Date: Time:		Relinquished by:	ed by:	Received by:	Via:	177/22 UD Date Time		Heath	.Boyd(aghd.c	om Al	Along w above. EOG C	@ghd.com Along with Becky Handler Becky Handler Becky Handler Bill to EOG Chase Settle	Heath.Boyd@ghd.com Along with Becky Haskell listed above. Direct Bill to EOG Chase Settle	



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

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

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 Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP7-5

 Project:
 Robinson B Federal 1
 Collection Date: 2/18/2022 8:55:00 AM

 Lab ID:
 2202945-001
 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	3200	150		mg/Kg	50	2/28/2022 3:40:35 PM	65834
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS					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						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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 22

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP7-2

 Project:
 Robinson B Federal 1
 Collection Date: 2/18/2022 9:00:00 AM

 Lab ID:
 2202945-002
 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	890	60	mg/Kg	20	2/28/2022 11:07:31 AM	65834
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				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					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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 22

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP7-4

 Project:
 Robinson B Federal 1
 Collection Date: 2/18/2022 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 AM	65834
EPA METHOD 8015M/D: DIESEL RANGE ORGA	ANICS				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 RANGE					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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 3 of 22

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP8-2

 Project:
 Robinson B Federal 1
 Collection Date: 2/18/2022 9:15:00 AM

 Lab ID:
 2202945-004
 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	65	60	mg/Kg	20	2/28/2022 11:32:21 AM	65834
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				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					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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- 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 22

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP8-4

 Project:
 Robinson B Federal 1
 Collection Date: 2/18/2022 9:20:00 AM

 Lab ID:
 2202945-005
 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	63	60	mg/Kg	20	2/28/2022 11:44:45 AM	65834
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				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					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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 5 of 22

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP9-5

 Project:
 Robinson B Federal 1
 Collection Date: 2/18/2022 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					Analyst	: JMT
Chloride	2700	150	mg/Kg	50	2/28/2022 3:53:00 PM	65834
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: 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					Analyst	: 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					Analyst	: 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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 6 of 22

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP9-2

 Project:
 Robinson B Federal 1
 Collection Date: 2/18/2022 9:35:00 AM

 Lab ID:
 2202945-007
 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 12:34:24 PM	65834
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 7 of 22

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP10-5

 Project:
 Robinson B Federal 1
 Collection Date: 2/18/2022 9:40:00 AM

 Lab ID:
 2202945-008
 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 12:46:49 PM	65834
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS					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 RANGE						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	: 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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- 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 8 of 22

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP10-2

 Project:
 Robinson B Federal 1
 Collection Date: 2/18/2022 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 ORG	ANICS				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					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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- 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 22

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP11-5

 Project:
 Robinson B Federal 1
 Collection Date: 2/18/2022 10:00:00 AM

 Lab ID:
 2202945-010
 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 RANGE ORG	SANICS					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 RANGE						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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- 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 10 of 22

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP11-2

 Project:
 Robinson B Federal 1
 Collection Date: 2/18/2022 10:20:00 AM

 Lab ID:
 2202945-011
 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	:: ЈМТ
Chloride	140	60	mg/Kg	20	2/28/2022 1:24:02 PM	65834
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- 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

rting Limit Page 11 of 22

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP11-4

 Project:
 Robinson B Federal 1
 Collection Date: 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 RANGE ORG	ANICS				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 RANGE					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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- 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 22

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP12-5

 Project:
 Robinson B Federal 1
 Collection Date: 2/18/2022 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 RANGE ORG	ANICS					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 RANGE						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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- 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 13 of 22

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP12-4

 Project:
 Robinson B Federal 1
 Collection Date: 2/18/2022 11:25:00 AM

 Lab ID:
 2202945-014
 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 2:01:16 PM	65834
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS					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						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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- 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 22

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP12-6

 Project:
 Robinson B Federal 1
 Collection Date: 2/18/2022 11:30:00 AM

 Lab ID:
 2202945-015
 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	:: ЈМТ
Chloride	ND	60	mg/Kg	20	2/28/2022 2:13:41 PM	65834
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: 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					Analyst	: 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					Analyst	: 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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- 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 22

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP8-5

 Project:
 Robinson B Federal 1
 Collection Date: 2/18/2022 9:15:00 AM

 Lab ID:
 2202945-016
 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	:: ЈМТ
Chloride	1500	60	mg/Kg	20	2/28/2022 4:04:24 PM	65839
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- 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 16 of 22

Hall Environmental Analysis Laboratory, Inc.

WO#: **2202945**

08-Mar-22

Client: GHD Midland
Project: Robinson B Federal 1

Sample ID: MB-65839 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 65839 RunNo: 86138

Prep Date: 2/28/2022 Analysis Date: 2/28/2022 SeqNo: 3036222 Units: mq/Kq

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

Chloride ND 1.5

Sample ID: LCS-65839 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 65839 RunNo: 86138

Prep Date: 2/28/2022 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-65834 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 65834 RunNo: 86137

Prep Date: 2/28/2022 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-65834 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 65834 RunNo: 86137

Prep Date: 2/28/2022 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 Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 17 of 22

Hall Environmental Analysis Laboratory, Inc.

Result

ND

ND

9.8

10

50

10.00

WO#: **2202945** *08-Mar-22*

Client: GHD Midland
Project: Robinson B Federal 1

Sample ID: LCS-65707	SampTy	/pe: LC	:S	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batch	ID: 65 7	707	F	RunNo: 8	6029				
Prep Date: 2/22/2022	Analysis Da	ate: 2/	23/2022	9	SeqNo: 3	032026	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	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	SampTy	/pe: LC	s	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batch	ch ID: 65729 RunNo: 86029								
Prep Date: 2/22/2022	Analysis Da	ate: 2/	23/2022	5	SeqNo: 3	032027	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	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	SampTy	/pe: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batch	ID: 65 7	707	F	RunNo: 8	6029				
Prep Date: 2/22/2022	Analysis Da	ate: 2/	23/2022	5	SeqNo: 3	032029	Units: mg/K	(q		

Sample ID: MB-65729	SampT	ype: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batcl	n ID: 65	729	R	tunNo: 8	6029				
Prep Date: 2/22/2022	Analysis Date: 2/23/2022			SeqNo: 3032030			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.4		10.00		93.9	51.1	141			

SPK value SPK Ref Val %REC LowLimit HighLimit

97.7

51.1

Qualifiers:

Analyte

Surr: DNOP

Diesel Range Organics (DRO)

Motor Oil Range Organics (MRO)

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- B Analyte 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 18 of 22

%RPD

141

RPDLimit

Qual

Hall Environmental Analysis Laboratory, Inc.

WO#: **2202945** *08-Mar-22*

Client:	GHD Midland
Project:	Robinson B Federal

Project: Robinson	n B Federal 1									
Sample ID: mb-65708	SampTyp	e: ME	BLK	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	е	
Client ID: PBS	Batch II	D: 65 7	708	F	RunNo: 8	5980				
Prep Date: 2/21/2022	Analysis Date	e: 2/ 2	22/2022	\$	SeqNo: 3	029874	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		107	70	130			
Sample ID: Ics-65708	SampTyp	e: LC	S	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	е	
Client ID: LCSS	Batch II	D: 65 7	708	F	RunNo: 8	5980				
Prep Date: 2/21/2022	Analysis Date	e: 2/ 2	22/2022	9	SeqNo: 3	029875	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	109	78.6	131			
Surr: BFB	1200		1000		119	70	130			
Sample ID: 2202945-012ams	SampTyp	e: MS	3	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	е	
Client ID: TP11-4	Batch II	D: 65 7	708	F	RunNo: 8	5980				
Prep Date: 2/21/2022	Analysis Date	e: 2/ 2	22/2022	8	SeqNo: 3	029877	Units: mg/k	ζg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	31	25	24.85	0	123	70	130			
Surr: BFB	5700		4970		114	70	130			
Sample ID: 2202945-012amso	d SampTyp	e: MS	SD	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	е	
Client ID: TP11-4	Batch II	D: 65 7	708	F	RunNo: 8	5980				
Prep Date: 2/21/2022	Analysis Date	e: 2/ 2	22/2022	8	SeqNo: 3	029878	Units: mg/k	ζg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	32	25	24.90	0	129	70	130	5.27	20	
Surr: BFB	5700		4980		114	70	130	0	0	
Sample ID: mb-65698	SampTyp	e: ME	BLK	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID: PBS	Batch II	D: 65 6	698	F	RunNo: 8	6042				
Prep Date: 2/21/2022	Analysis Date	e: 2/ 2	23/2022	8	SeqNo: 3	031479	Units: mg/k	(g		
			CDI/l	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Analyte	Result	PQL	SPK value	Of It Itel var		-				
Analyte Gasoline Range Organics (GRO)	Result ND	5.0	SPK value	Of Refer var						
L			1000	Of Reference	109	70	130			
Gasoline Range Organics (GRO)	ND	5.0	1000		109	70				
Gasoline Range Organics (GRO) Surr: BFB	ND 1100	5.0 e: LC	1000	Tes	109	70 PA Method	130			

Qualifiers:

Analyte

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

Result

PQL

B Analyte detected in the associated Method Blank

LowLimit

E Estimated value

SPK value SPK Ref Val %REC

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

Page 19 of 22

RPDLimit

Qual

%RPD

HighLimit

Hall Environmental Analysis Laboratory, Inc.

WO#: **2202945** *08-Mar-22*

Client: GHD Midland
Project: Robinson B Federal 1

Sample ID: Ics-65698 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 65698 RunNo: 86042

Prep Date: 2/21/2022 Analysis Date: 2/23/2022 SeqNo: 3031480 Units: mg/Kg

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
 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

B Analyte 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

Hall Environmental Analysis Laboratory, Inc.

WO#: 2202945 08-Mar-22

Client: GHD Midland **Project:** Robinson B Federal 1

Sample ID: mb-65708 SampType: MBLK TestCode: EPA Method 8021B: Volatiles

Client ID: PBS Batch ID: 65708 RunNo: 85980

Prep Date: 2/21/2022 Analysis Date: 2/22/2022 SeqNo: 3029919 Units: mg/Kg

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

Benzene ND 0.025 Toluene ND 0.050 0.050 Ethylbenzene ND Xylenes, Total ND 0.10

Surr: 4-Bromofluorobenzene 1.0 1.000 99.8 70 130

Sample ID: LCS-65708 SampType: LCS TestCode: EPA Method 8021B: Volatiles

Client ID: LCSS Batch ID: 65708 RunNo: 85980

2.6

0.48

2.885

Prep Date: 2/21/2022	Analysis Date: 2/22/2022			5	SeqNo: 3029921 Units: mg/Kg				g/Kg				
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-Bromofluorobenzene	1.0		1.000		102	70	130						

Sample ID: 2202945-013ams	SampT	ype: MS	3	Tes	TestCode: EPA Method 8021B: Volatiles						
Client ID: TP12-5	Batch	n ID: 65	708	F	RunNo: 8	5980					
Prep Date: 2/21/2022	Analysis D	ate: 2/	22/2022	5	SeqNo: 3	029924	Units: mg/k	ίg			
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				

Surr: 4-Bromofluorobenzene	5.0		4.808		103	70	130			
Sample ID: 2202945-013amsd	SampTyp	pe: MS I	D	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: TP12-5	Batch ID: 65708			RunNo: 85980						
Prep Date: 2/21/2022	Analysis Date: 2/22/2022			S	SeqNo: 3	029925	Units: mg/Kg			
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	

0

88.6

80

120

1 Top Bate. Ziz Wzdzz	7 thaiyolo L	outo. 2		,	Joq. 10. 0	020020	Office: mg/rtg			
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-Bromofluorobenzene	4.8		4.789		101	70	130	0	0	

Qualifiers:

Xylenes, Total

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix interference

Analyte detected in the associated Method Blank

Estimated value

Analyte detected below quantitation limits

Sample pH Not In Range

RL Reporting Limit Page 21 of 22

Hall Environmental Analysis Laboratory, Inc.

1.0

WO#: **2202945**

08-Mar-22

Client: GHD Midland
Project: Robinson B Federal 1

Surr: 4-Bromofluorobenzene

Sample ID: mb-65698 SampType: MBLK TestCode: EPA Method 8021B: Volatiles Client ID: PBS RunNo: 86042 Batch ID: 65698 Prep Date: 2/21/2022 Analysis Date: 2/23/2022 SeqNo: 3031526 Units: mg/Kg PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Analyte Result Benzene ND 0.025 Toluene ND 0.050 ND 0.050 Ethylbenzene Xylenes, Total ND 0.10

100

70

130

1.000

Sample ID: LCS-65698	Samp ⁻	Гуре: LC	s	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: LCSS	Batc	h ID: 65	698	F	RunNo: 8	6042				
Prep Date: 2/21/2022	Analysis [Date: 2/	23/2022	\$	SeqNo: 3	031527	Units: mg/k	ίg		
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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- 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 22



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

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

Sample Log-In Check List

Work Order Number: 2202945 Client Name: **GHD Midland** RcptNo: 1 Received By: Juan Rojas 2/19/2022 8:20:00 AM Completed By: Kasandra Payan 2/19/2022 9:35:17 AM Reviewed By: Chain of Custody No 🗌 Not Present 1. Is Chain of Custody complete? Yes V 2. How was the sample delivered? Courier Log In No _ NA 3. Was an attempt made to cool the samples? 4. Were all samples received at a temperature of >0° C to 6.0°C Yes V No NA 🗌 5. Sample(s) in proper container(s)? Yes V No Sufficient sample volume for indicated test(s)? No 7. Are samples (except VOA and ONG) properly preserved? No No V NA 🗔 8. Was preservative added to bottles? Yes NA V 9. Received at least 1 vial with headspace <1/4" for AQ VOA? No No V 10. Were any sample containers received broken? Yes # of preserved bottles checked 11. Does paperwork match bottle labels? Yes V No for pH: (<2 or >12 unless noted) (Note discrepancies on chain of custody) Adjusted? 12. Are matrices correctly identified on Chain of Custody? Yes No No 13. Is it clear what analyses were requested? Yes Checked by: 1/2/19/2 14. Were all holding times able to be met? Yes 🗸 No (If no, notify customer for authorization.) Special Handling (if applicable) Yes NA V 15. Was client notified of all discrepancies with this order? No _ Person Notified: Date: [By Whom: eMail Phone Fax In Person Regarding: Client Instructions: 16. Additional remarks: 17. Cooler Information Temp °C Condition Cooler No Seal Intact Seal No Seal Date Signed By 1.7 Good 2 2.0 Good

ı	_
	w
ı	₽:
ı	=
l	20
ı	a
	Pe
	-
	ō
١	D
	#
	5
	č
	~
	Ö
	응
	O
	Φ
	₹
	>
	#
	Ö
	D
	t
	ū
	E
	8
	4
	SC
	>
	A
	4
	5
	S
	OS
	Ď.
	.82
	#=
	0
	ø
	:≌
	2
	S
	a
	es
	2
	Se
	(D)
	E
	SS
	-E
	2
	ā
	bora
	labora
	ed labora
	ited labora
	edited labora
	credited labora
	accredited labora
	er accredited labora
	fher accredited labora
	other accredited labora
	to other accredited labora
,	ed to other accredited labora
, ,	cted to other accredited labora
, ,	racted to other accredited labora
,	ntracted to other accredited labora
1	contracted to other accredited labora
, ,	ubcontracted to other accredited labora
	subcontracted to other accredited labora
	be subcontracted to other accredited labora
	y be subcontracted to other accredited labora
	nay be subcontracted to other accredited laboral
	may be subcontracted to other accredited laboral
	Tal La
	Tal La
	nehtal m
	Tal La
	mehtal m
	nvironmehtal m
	vironmehtal m
	nvironmehtal m
	nvironmehtal m
	nvironmehtal m
	d to Hall Environmental m
	ed to Hall Environmehtal m
	nitted to Hall Environmehtal m
	bmitted to Hall Environmehtal m
	mitted to Hall Environmehtal m
	s submitted to Hall Environmehtal m
	submitted to Hall Environmehtal m
	iples submitted to Hall Environmehtal m
	amples submitted to Hall Environmehtal m
	mples submitted to Hall Environmehtal m
	ny, samples submitted to Hall Environmehtal m
	, samples submitted to Hall Environmental m
	ny, samples submitted to Hall Environmehtal m
	ny, samples submitted to Hall Environmehtal m
	ny, samples submitted to Hall Environmehtal m
	ny, samples submitted to Hall Environmehtal m

	Standard Rus	A Rush S Day			_ «	HALL	T -	2	I K	ENVIRONMENTAL	ITAL
4	22				4		F .	<i>n</i>		ANALTSIS LABORATORY	ORY
Mailing Address:	Robinson B Fede	Federal # 1		4901	Hawk	www.	nallen I A I	Vironi	www.nallenvironmental.com	www.nallenvironmental.com	
2135 S. Loop 250 W. Midland, TX 79703	Project #:			<u>e</u>	505-345-3975	5-397	, ₁ ,	Fax	505-34	505-345-4107	
Phone #: (432) 686-0086	0111521						Ana		Request	st	
email or Fax#: Becky.Haskell@ghd.com	Project Manager:		-	(0		H	* C				
QA/QC Package:	Becky Haskell					SI)S "				
☐ Level 4 (Full Validation)	Tom Larson					WIS	ЬΟ				
on: 🗆 Az Compliance	ان:					0728	lO ₂ ,				
□ Other	On Ice: Yes	ON 🗆	- 130			_	_				
□ EDD (Type) # c	# of Coolers:		721			_	_				
8	Cooler Temp(including CF):	50·121.7	700								
Date Time Matrix Sample Name	Container Preservative Type	2.1-2.15.C HEAL No.	\X∃T	108:H9 99 180	DB (W	yd sHA	CRA 8) 09Z	SYO (Se		
8-2197 8 0211.	1	013	,				-		,		
h-2121 1 5211 1	, ,	410		X					X		
4 1130 × TP12-6	义	510	X						X		
2/18/4 9:15 78 - 5		910		-		H	_				
Yer Client					1/4	-					
22/9/2 700M						H			H		
Date: Time: Relinguished by: Dog	Doning hy										
In 500 Per Ime. Relinational by:	received by: Via:	7/18/72 ISDU	8	Remarks: Please email: Chase_ Tom.Larson@ghd.com; Zac Heath.Boyd@ghd.com Along	s: Plea n.Lars Boyd	on@g	hd.co	hase m; Za Along	Settle sch.Col with B	:marks: Please email: Chase_Settle@eogresources.com; Tom.Larson@ghd.com; Zach.Comino@ghd.com; Heath.Boyd@ghd.com Along with Becky Haskell listed	ses.com; om; listed
a active a	1/1	2			-	Direct	Bill to	above. EOG (e. Chase	above. Direct Bill to EOG Chase Settle	



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

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

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 Freeman

Laboratory Manager

andy

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order **2202A50**Date Reported: **3/8/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP13-S

 Project:
 Robinson B Federal 1
 Collection Date: 2/21/2022 9:00:00 AM

 Lab ID:
 2202A50-001
 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	560	60	mg/Kg	20	3/2/2022 3:58:07 AM	65883
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				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 RANGE					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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 14

Lab Order **2202A50**Date Reported: **3/8/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP13-2

 Project:
 Robinson B Federal 1
 Collection Date: 2/21/2022 9:05:00 AM

 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	: JMT
Chloride	160	60	mg/Kg	20	3/2/2022 4:10:31 AM	65883
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				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 RANGE					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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 14

CLIENT: GHD Midland

Analytical Report

Lab Order 2202A50 Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: TP13-4

Project: Robinson B Federal 1 Collection Date: 2/21/2022 9:10:00 AM 2202A50-003 Lab ID: 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	140	60	mg/Kg	20	3/2/2022 4:22:56 AM	65883
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				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					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
- 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
- Analyte detected in the associated Method Blank
- Е Estimated value
- Analyte detected below quantitation limits
- P Sample pH Not In Range
- Reporting Limit

Page 3 of 14

CLIENT: GHD Midland

Analytical Report

Lab Order **2202A50**Date Reported: **3/8/2022**

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: TP14-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	: JMT
Chloride	94	60	mg/Kg	20	3/2/2022 4:35:20 AM	65883
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				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 RANGE					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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- 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 14

Lab Order **2202A50**Date Reported: **3/8/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP14-2

 Project:
 Robinson B Federal 1
 Collection Date: 2/21/2022 9:35:00 AM

 Lab ID:
 2202A50-005
 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	3/2/2022 4:47:44 AM	65883
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range 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: DNOP	105	51.1-141	%Rec	1	3/2/2022 12:29:30 AM	65780
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/25/2022 11:58:14 PM	65768
Surr: BFB	108	70-130	%Rec	1	2/25/2022 11:58:14 PM	65768
EPA METHOD 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
Ethylbenzene	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
Surr: 4-Bromofluorobenzene	98.9	70-130	%Rec	1	2/25/2022 11:58:14 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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 5 of 14

Lab Order 2202A50

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP14-4

 Project:
 Robinson B Federal 1
 Collection Date: 2/21/2022 9:40:00 AM

 Lab ID:
 2202A50-006
 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	69	60	mg/Kg	20	3/2/2022 10:07:41 AM	65892
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				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					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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 6 of 14

Lab Order **2202A50**Date Reported: **3/8/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP15-S

 Project:
 Robinson B Federal 1
 Collection Date: 2/21/2022 10:20:00 AM

 Lab ID:
 2202A50-007
 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	3/2/2022 10:20:06 AM	65892
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS					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 RANGE						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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 7 of 14

Lab Order **2202A50**

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP15-4

 Project:
 Robinson B Federal 1
 Collection Date: 2/21/2022 10:25:00 AM

 Lab ID:
 2202A50-008
 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	3/2/2022 10:32:30 AM	65892
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS					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 RANGE						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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- 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 8 of 14

Lab Order **2202A50**

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP15-8

 Project:
 Robinson B Federal 1
 Collection Date: 2/21/2022 10:30:00 AM

 Lab ID:
 2202A50-009
 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	3/2/2022 10:44:55 AM	65892
EPA METHOD 8015M/D: DIESEL RANGE OF	RGANICS					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 RANGE						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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- 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

ple pH Not In Range
Page 9 of 14

Lab Order 2202A50

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP15-12

 Project:
 Robinson B Federal 1
 Collection Date: 2/21/2022 10:35:00 AM

 Lab ID:
 2202A50-010
 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	97	60	mg/Kg	20	3/2/2022 10:57:19 AM	65892
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- 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 10 of 14

Hall Environmental Analysis Laboratory, Inc.

08-Mar-22

2202A50

WO#:

Client: GHD Midland
Project: Robinson B Federal 1

Sample ID: MB-65883 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 65883 RunNo: 86175

Prep Date: 3/1/2022 Analysis Date: 3/1/2022 SeqNo: 3037392 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-65883 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 65883 RunNo: 86175

Prep Date: 3/1/2022 Analysis Date: 3/1/2022 SeqNo: 3037393 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 92.0 90 110

Sample ID: MB-65892 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 65892 RunNo: 86196

Prep Date: 3/2/2022 Analysis Date: 3/2/2022 SeqNo: 3038465 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-65892 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 65892 RunNo: 86196

Prep Date: 3/2/2022 Analysis Date: 3/2/2022 SeqNo: 3038466 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 93.0 90 110

Qualifiers:

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

Page 11 of 14

Hall Environmental Analysis Laboratory, Inc.

WO#: **2202A50**

08-Mar-22

Client: GHD Midland
Project: Robinson B Federal 1

Sample ID: LCS-65780 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS Batch ID: 65780 RunNo: 86122

Prep Date: 2/24/2022 Analysis Date: 2/25/2022 SeqNo: 3034563 Units: mg/Kg

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

Client ID: PBS Batch ID: 65780 RunNo: 86122

Prep Date: 2/24/2022 Analysis Date: 2/25/2022 SeqNo: 3034565 Units: mg/Kg

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

Diesel Range Organics (DRO) ND 10

Motor Oil Range Organics (MRO) ND 50

Surr: DNOP 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

Hall Environmental Analysis Laboratory, Inc.

WO#: **2202A50**

08-Mar-22

Client: GHD Midland
Project: Robinson B Federal 1

Sample ID: Ics-65768 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 65768 RunNo: 86121

Prep Date: 2/23/2022 Analysis Date: 2/25/2022 SeqNo: 3034389 Units: mg/Kg

PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual Analyte Result LowLimit 0 Gasoline Range Organics (GRO) 27 5.0 25.00 106 78.6 131

Surr: BFB 1200 1000 122 70 130

Sample ID: mb-65768 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 65768 RunNo: 86121

Prep Date: 2/23/2022 Analysis Date: 2/25/2022 SeqNo: 3034391 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 111 70 130

Qualifiers:

- Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte 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 13 of 14

Hall Environmental Analysis Laboratory, Inc.

WO#: **2202A50** *08-Mar-22*

Client: GHD Midland
Project: Robinson B Federal 1

Sample ID: LCS-65768	Samp1	Гуре: LC	s	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batc	h ID: 65 7	768	F	RunNo: 8	6121				
Prep Date: 2/23/2022	Analysis D	Date: 2/ 2	25/2022	8	SeqNo: 3	034455	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.025	1.000	0	92.1	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	Samp1	Гуре: М	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 [Date: 2/	25/2022	9	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



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

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

Sample Log-In Check List

Client Name:	GHD Midla	ind	Work	Order Num	ber: 2202	2A50		RcptNo: 1	
Received By:	Cheyenne	e Cason	2/23/20	22 7:45:00	АМ		Chenl		
Completed By:	Sean Livi	ngston	2/23/20	22 9:06:20	AM		<	lendo	
Reviewed By:	70)	2/23	22				Congo	
Chain of Cus	stody								
1. Is Chain of C	ustody comp	lete?			Yes	V	No [Not Present	
2. How was the	sample deliv	vered?			Cour	ier			
Log In									
3. Was an atten	npt made to	cool the samp	les?		Yes	V	No [NA □	
4. Were all sam	ples received	l at a tempera	ture of >0° C	to 6.0°C	Yes	V	No [NA 🗆	
5. Sample(s) in	proper conta	iner(s)?			Yes	V	No []	
Sufficient san	nple volume f	or indicated to	est(s)?		Yes	~	No □	l'	
7. Are samples	except VOA	and ONG) pro	operly preserve	ed?	Yes	V	No []	
8. Was preserva							No 🗸		
9. Received at le	east 1 vial wit	h headspace	<1/4" for AQ \	/OA?	Yes		No 🗆	NA 🗹	
0. Were any sar	mple containe	ers received b	roken?		Yes		No 🔽	# of preserved	
1. Does paperwo)		Yes	V	No 🗀	bottles checked for pH:	2 unless noted)
2. Are matrices	correctly iden	tified on Chai	n of Custody?		Yes	V	No [1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
3. Is it clear wha		The state of the s	?			V	No 🗆	//	, 7/0
 Were all holdi (If no, notify c 					Yes	V	No 🗆	Checked by:	4 -1765
pecial Handl	ing (if app	olicable)							
5. Was client no	otified of all d	iscrepancies v	with this order?	>	Yes		No [NA 🗹	
Person	Notified:			Date				-	
By Who				Via:	□ еМа	iil 🗌	Phone F	ax In Person	
Regard		-							
	nstructions:								
6. Additional re									
7. Cooler Infor	The second second	1 2 25							
Cooler No	Temp °C 1.0	Condition Good	Seal Intact	Seal No	Seal Da	ite	Signed By		
2	2.3	3000							

	-								1				
Client: Gl	GHD			Standard	Rush 5	som		_ 9	HALL	N EN	M	SONM	HALL ENVIRONMENTAL
				Project Name)	2	2	
Mailing Address:	Idress:			10 Lobinson B		Federal # 1	4901	Hawk	www.nailenvironmental.com	allenviir - Albiu	nemo	environmental.com Albuquerque NM 87109	g
2135 S. Lo	30p 250	W. Mic	2135 S. Loop 250 W. Midland, TX 79703	Project #:			Ţej.	505-34	505-345-3975	Fax	x 505	505-345-4107	2
Phone #:	4)	432) 68	(432) 686-0086	42521	0111					Anal	is Rec	Request	
email or Fax#:		Becky.H	Becky.Haskell@ghd.com	Project Manager:	iger:		-	-		¢C			
QA/QC Package:				Becky Haskell	-		MRC	S.A	SV)S 'Þ			
□ Standard	5		☐ Level 4 (Full Validation)	Tom Larson			10	IJЧ	VISC	ОЧ			
Accreditation:	.:] Az Cc	☐ Az Compliance	Sampler:	Heath Boyd		ם		3270	O ⁵ '			
□ NELAC		□ Other		On Ice:	X Yes	oN □	/ 0				(A		
☐ EDD (Type)	ype)			# of Coolers:	6	7-0267 cm	AD)		1100	103			
				Cooler Temp(including CF):		.3-0-6-3 cm	IPD	100		۱, ۱			
Date Ti	Time	Matrix	Sample Name	Container Type and #	Preservative Type	2/23/26 HEAL NO. 27.07 ASO	X3TEX / 08:H9T	9081 P6 M) 803	d sHAc	SI, F, B	V) 0328 S) 0728	Shloride	
7/22/	206	8	TP13.5	Hoz. Jar/ 1	NA		<u>X</u>	_				-	
6	Sab	-	TP13-2		-	200	2 2				E	Q	
5	016		TP13.4			202	Y Y					Q	
0	930	-	TP14-5			8	Q Q					R	
0	935		7-419T			33	<u>و</u> ح					7	
6	940		TP 14.4			300	2					Q	
116	1020		tp15-3			400	え					2	
110	5201		TP15-4			3	<u>ب</u>					Q	
1/2	1030	-	LbIS-8	*		30%	2					2	
2		X	TP15-12	×	X	010	a X					×	
Date: Time: $2/z_1/z_2$ 1600	0	Relinquished by:	ed by:	Received by:	Via:	Date Time	Remar Tc	ks: Ple	ase emis	ail: Cha	se_Se Zach.	arks: Please email: Chase_Settle@eogresources Tom.Larson@ghd.com; Zach.Comino@ghd.com;	Remarks: Please email: Chase_Settle@eogresources.com; Tom.Larson@ghd.com; Zach.Comino@ghd.com;
Jate: Tim		Relinquished by:	ed by:	Received by:	Via:	Date Time	Heath.B	th.Boyc	@ghd.	om Ak	Along wil above.	Heath.Boyd@ghd.com Along with Becky Haskell listed ンごして	skell listed
V Va Cu	1	. 7	70	1			2 2-0-2 0	,	Diroct L	U ** II:0	000	Direct Bill to FOG Chase Settle	



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

April 06, 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

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 26 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 Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 4/6/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP3-8

 Project:
 Robinson B Federal 1
 Collection Date: 3/23/2022 7:45:00 AM

 Lab ID:
 2203D53-001
 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						Analyst	: JMT
Chloride	ND	60		mg/Kg	20	3/31/2022 1:58:44 PM	66517
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS					Analyst	: 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 RANGE						Analyst	: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/28/2022 10:11:00 PM	66412
Surr: BFB	112	37.7-212		%Rec	1	3/28/2022 10:11:00 PM	66412
EPA METHOD 8021B: VOLATILES						Analyst	: BRM
Benzene	ND	0.024		mg/Kg	1	3/28/2022 10:11:00 PM	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 PM	66412
Surr: 4-Bromofluorobenzene	86.1	70-130		%Rec	1	3/28/2022 10:11:00 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
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 29

Date Reported: 4/6/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP3-12

 Project:
 Robinson B Federal 1
 Collection Date: 3/23/2022 7:55:00 AM

 Lab ID:
 2203D53-002
 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						Analyst	: JMT
Chloride	89	60		mg/Kg	20	3/31/2022 2:11:06 PM	66517
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS					Analyst	: 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 RANGE						Analyst	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						Analyst	: 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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- 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

eporting Limit Page 2 of 29

Date Reported: 4/6/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP3-16

 Project:
 Robinson B Federal 1
 Collection Date: 3/23/2022 8:10:00 AM

 Lab ID:
 2203D53-003
 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						Analyst	: JMT
Chloride	200	60		mg/Kg	20	3/31/2022 2:23:27 PM	66517
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS					Analyst	: 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 RANGE						Analyst	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						Analyst	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
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 3 of 29

Date Reported: 4/6/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland 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	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	: CAS
Chloride	190	60	mg/K	20	3/25/2022 4:47:33 PM	66406
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	:: SB
Diesel Range Organics (DRO)	1200	45	mg/K	g 5	3/28/2022 7:48:02 PM	66403
Motor Oil Range Organics (MRO)	580	220	mg/K	g 5	3/28/2022 7:48:02 PM	66403
Surr: DNOP	68.9	51.1-141	%Red	5	3/28/2022 7:48:02 PM	66403
EPA METHOD 8015D: GASOLINE RANGE					Analys	:: BRM
Gasoline Range Organics (GRO)	270	62	mg/K	20	3/25/2022 5:37:00 PM	C86769
Surr: BFB	205	37.7-212	%Red	20	3/25/2022 5:37:00 PM	C86769
EPA METHOD 8021B: VOLATILES					Analys	:: BRM
Benzene	0.87	0.31	mg/K	20	3/25/2022 5:37:00 PM	D86769
Toluene	3.6	0.62	mg/K	20	3/25/2022 5:37:00 PM	D86769
Ethylbenzene	7.9	0.62	mg/K	g 20	3/25/2022 5:37:00 PM	D86769
Xylenes, Total	9.4	1.2	mg/K	g 20	3/25/2022 5:37:00 PM	D86769
Surr: 4-Bromofluorobenzene	108	70-130	%Red	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
- % Recovery outside of range due to dilution or matrix interference
- Analyte detected in the associated Method Blank
- Е Estimated value
- Analyte detected below quantitation limits
- P Sample pH Not In Range
- Reporting Limit

Page 4 of 29

Date Reported: 4/6/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP5-8

 Project:
 Robinson B Federal 1
 Collection Date: 3/23/2022 9:00:00 AM

 Lab ID:
 2203D53-005
 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					Analyst	: JMT
Chloride	ND	60	mg/Kg	20	3/31/2022 2:35:47 PM	66517
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: 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	66.0	51.1-141	%Rec	5	3/31/2022 2:02:01 PM	66452
EPA METHOD 8015D: GASOLINE RANGE					Analyst	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					Analyst	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
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 5 of 29

CLIENT: GHD Midland

Analytical Report

Lab Order **2203D53**Date Reported: **4/6/2022**

Hall Environmental Analysis Laboratory, Inc.

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 Date: 3/25/2022 7:23:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	500	60	mg/Kg	20	3/31/2022 3:37:30 PM	66517
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: 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 RANGE					Analyst	: BRM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	3/29/2022 12:09:00 AM	66412
Surr: BFB	98.4	37.7-212	%Rec	1	3/29/2022 12:09:00 AM	66412
EPA METHOD 8021B: VOLATILES					Analyst	: BRM
Benzene	ND	0.025	mg/Kg	1	3/29/2022 12:09:00 AM	66412
Toluene	ND	0.049	mg/Kg	1	3/29/2022 12:09:00 AM	66412
Ethylbenzene	ND	0.049	mg/Kg	1	3/29/2022 12:09:00 AM	66412
Xylenes, Total	ND	0.099	mg/Kg	1	3/29/2022 12:09:00 AM	66412
Surr: 4-Bromofluorobenzene	81.1	70-130	%Rec	1	3/29/2022 12:09:00 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
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 6 of 29

CLIENT: GHD Midland

Analytical Report

Lab Order **2203D53**Date Reported: **4/6/2022**

Hall Environmental Analysis Laboratory, Inc.

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 Date: 3/25/2022 7:23:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	130	60	mg/Kg	20	3/31/2022 3:49:52 PM	66517
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	3/29/2022 11:10:13 PM	66452
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	3/29/2022 11:10:13 PM	66452
Surr: DNOP	73.7	51.1-141	%Rec	1	3/29/2022 11:10:13 PM	66452
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: BRM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	3/29/2022 12:28:00 AM	66412
Surr: BFB	101	37.7-212	%Rec	1	3/29/2022 12:28:00 AM	66412
EPA METHOD 8021B: VOLATILES					Analyst	: BRM
Benzene	ND	0.025	mg/Kg	1	3/29/2022 12:28:00 AM	66412
Toluene	ND	0.050	mg/Kg	1	3/29/2022 12:28:00 AM	66412
Ethylbenzene	ND	0.050	mg/Kg	1	3/29/2022 12:28:00 AM	66412
Xylenes, Total	ND	0.099	mg/Kg	1	3/29/2022 12:28:00 AM	66412
Surr: 4-Bromofluorobenzene	83.0	70-130	%Rec	1	3/29/2022 12:28:00 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
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 7 of 29

Lab Order **2203D53**Date Reported: **4/6/2022**

Hall Environmental Analysis Laboratory, Inc.

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	PQL	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	SANICS					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 exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- 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 8 of 29

Lab Order **2203D53**Date Reported: **4/6/2022**

Hall Environmental Analysis Laboratory, Inc.

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: 3/25/2022 7:23:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	92	60	mg/Kg	20	3/31/2022 4:02:13 PM	66517
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: 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 RANGE					Analyst	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					Analyst	: 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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- 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 29

Lab Order **2203D53**Date Reported: **4/6/2022**

Hall Environmental Analysis Laboratory, Inc.

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
 Received Date: 3/25/2022 7:23:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: ЈМТ
Chloride	130	60	mg/Kg	20	3/31/2022 4:14:33 PM	66517
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: 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 RANGE					Analyst	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					Analyst	: 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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- 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 10 of 29

CLIENT: GHD Midland

Analytical Report

Lab Order **2203D53**Date Reported: **4/6/2022**

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: TP12-8

 Project:
 Robinson B Federal 1
 Collection Date: 3/23/2022 11:30:00 AM

 Lab ID:
 2203D53-014
 Matrix: SOIL
 Received Date: 3/25/2022 7:23:00 AM

Result **POL Oual Units DF** Date Analyzed **Batch** Analyses **EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride ND 60 mg/Kg 20 3/31/2022 4:26:54 PM 66517 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) 520 48 mg/Kg 5 3/31/2022 2:44:47 PM 66452 Motor Oil Range Organics (MRO) 980 5 240 mg/Kg 3/31/2022 2:44:47 PM 66452 Surr: DNOP 3/31/2022 2:44:47 PM 93.4 51.1-141 %Rec 66452 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: BRM Gasoline Range Organics (GRO) ND 3/29/2022 1:27:00 AM 66412 4.9 mg/Kg 1 Surr: BFB 104 %Rec 3/29/2022 1:27:00 AM 66412 37.7-212 **EPA METHOD 8021B: VOLATILES** Analyst: BRM ND 0.024 3/29/2022 1:27:00 AM 66412 Benzene mg/Kg Toluene ND 0.049 mg/Kg 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 3/29/2022 1:27:00 AM 66412 66412 Surr: 4-Bromofluorobenzene 70-130 85.2 %Rec 3/29/2022 1:27:00 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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- 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 29

CLIENT: GHD Midland

Analytical Report

Lab Order **2203D53**Date Reported: **4/6/2022**

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: TP12-12

 Project:
 Robinson B Federal 1
 Collection Date: 3/23/2022 11:40:00 AM

 Lab ID:
 2203D53-015
 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					Analyst	: JMT
Chloride	240	60	mg/Kg	20	3/31/2022 4:39:15 PM	66517
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: 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					Analyst	: 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					Analyst	: 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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- 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 29

Lab Order **2203D53**Date Reported: **4/6/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP15-14

 Project:
 Robinson B Federal 1
 Collection Date: 3/23/2022 1:20:00 PM

 Lab ID:
 2203D53-017
 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					Analyst	: CAS
Chloride	150	60	mg/Kg	20	3/31/2022 7:33:31 PM	66531
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: ЈМЕ
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 RANGE					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
Surr: 4-Bromofluorobenzene	84.9	70-130	%Rec	1	3/29/2022 2:07:00 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
- B Analyte 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 13 of 29

Lab Order **2203D53**Date Reported: **4/6/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP16-S

 Project:
 Robinson B Federal 1
 Collection Date: 3/23/2022 1:40:00 PM

 Lab ID:
 2203D53-019
 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					Analyst	CAS
Chloride	ND	61	mg/Kg	20	3/31/2022 7:45:56 PM	66531
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: 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 RANGE					Analyst	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					Analyst	: 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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- 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 29

CLIENT: GHD Midland

Analytical Report

Lab Order **2203D53**Date Reported: **4/6/2022**

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: TP16-2

 Project:
 Robinson B Federal 1
 Collection Date: 3/23/2022 1:50:00 PM

 Lab ID:
 2203D53-020
 Matrix: SOIL
 Received Date: 3/25/2022 7:23:00 AM

Result **POL Oual Units DF** Date Analyzed **Batch** Analyses **EPA METHOD 300.0: ANIONS** Analyst: CAS Chloride ND 60 mg/Kg 20 3/31/2022 7:58:21 PM 66531 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) ND 9.8 mg/Kg 3/29/2022 11:41:51 PM 66452 Motor Oil Range Organics (MRO) ND 3/29/2022 11:41:51 PM 66452 49 mg/Kg 1 Surr: DNOP 77.4 51.1-141 %Rec 3/29/2022 11:41:51 PM 66452 Analyst: BRM **EPA METHOD 8015D: GASOLINE RANGE** Gasoline Range Organics (GRO) ND 3/29/2022 4:25:00 AM 66412 5.0 mg/Kg 1 Surr: BFB 103 37.7-212 %Rec 3/29/2022 4:25:00 AM 66412 **EPA METHOD 8021B: VOLATILES** Analyst: BRM ND 3/29/2022 4:25:00 AM 66412 Benzene 0.025 mg/Kg Toluene ND 0.050 mg/Kg 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 3/29/2022 4:25:00 AM 66412 66412 Surr: 4-Bromofluorobenzene 85.5 70-130 %Rec 3/29/2022 4:25:00 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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- 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 29

Lab Order **2203D53**Date Reported: **4/6/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP17-2

 Project:
 Robinson B Federal 1
 Collection Date: 3/23/2022 2:00:00 PM

 Lab ID:
 2203D53-021
 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						Analyst	CAS
Chloride	ND	60		mg/Kg	20	3/31/2022 8:10:46 PM	66531
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS					Analyst	: 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						Analyst	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						Analyst	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
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte 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 16 of 29

Lab Order **2203D53**Date Reported: **4/6/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP17-4

 Project:
 Robinson B Federal 1
 Collection Date: 3/23/2022 2:10:00 PM

 Lab ID:
 2203D53-022
 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						Analyst	: CAS
Chloride	ND	60		mg/Kg	20	3/31/2022 8:23:11 PM	66531
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS					Analyst	:: 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 RANGE						Analyst	:: 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						Analyst	:: 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 Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 17 of 29

Analytical Report Lab Order 2203D53

Date Reported: 4/6/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP17-8

 Project:
 Robinson B Federal 1
 Collection Date: 3/23/2022 2:20:00 PM

 Lab ID:
 2203D53-023
 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					Analyst	CAS
Chloride	ND	60	mg/Kg	20	3/31/2022 9:00:25 PM	66531
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: 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 RANGE					Analyst	: 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					Analyst	: 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
- B Analyte 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 18 of 29

CLIENT: GHD Midland

Analytical Report

Lab Order **2203D53**Date Reported: **4/6/2022**

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: TP17-10

 Project:
 Robinson B Federal 1
 Collection Date: 3/23/2022 2:30:00 PM

 Lab ID:
 2203D53-024
 Matrix: SOIL
 Received Date: 3/25/2022 7:23:00 AM

Result **POL Oual Units DF** Date Analyzed **Batch** Analyses Analyst: CAS **EPA METHOD 300.0: ANIONS** Chloride ND 61 mg/Kg 20 3/31/2022 9:37:38 PM 66531 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: ED Diesel Range Organics (DRO) ND 10 mg/Kg 3/30/2022 12:03:44 PM 66474 Motor Oil Range Organics (MRO) ND 3/30/2022 12:03:44 PM 66474 50 mg/Kg 1 Surr: DNOP 3/30/2022 12:03:44 PM 66474 118 51.1-141 %Rec **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 3/29/2022 9:12:51 AM 66414 4.8 mg/Kg 1 Surr: BFB 95.2 37.7-212 %Rec 3/29/2022 9:12:51 AM 66414 **EPA METHOD 8021B: VOLATILES** Analyst: NSB 3/29/2022 9:12:51 AM ND 0.024 Benzene mg/Kg 66414 Toluene ND 0.048 mg/Kg 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 3/29/2022 9:12:51 AM 66414 Surr: 4-Bromofluorobenzene 70-130 66414 96.9 %Rec 3/29/2022 9:12:51 AM

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

Qualifiers:

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

Page 19 of 29

Analytical Report Lab Order 2203D53

Date Reported: 4/6/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP18-S

 Project:
 Robinson B Federal 1
 Collection Date: 3/23/2022 2:40:00 PM

 Lab ID:
 2203D53-025
 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					Analyst	CAS
Chloride	ND	60	mg/Kg	20	3/31/2022 9:50:02 PM	66531
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: 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 RANGE					Analyst	: 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					Analyst	: 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	98.6	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
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

ring Limit Page 20 of 29

Analytical Report Lab Order 2203D53

Date Reported: 4/6/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP18-2

 Project:
 Robinson B Federal 1
 Collection Date: 3/23/2022 2:50:00 PM

 Lab ID:
 2203D53-026
 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					Analyst	CAS
Chloride	ND	60	mg/Kg	20	3/31/2022 10:02:27 PM	66531
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: 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 RANGE					Analyst	: 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					Analyst	: 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
- B Analyte 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 21 of 29

Hall Environmental Analysis Laboratory, Inc.

WO#: **2203D53**

06-Apr-22

Client: GHD Midland
Project: Robinson 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

Prep Date: 3/31/2022 Analysis Date: 3/31/2022 SeqNo: 3070544 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 94.7 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 22 of 29

Hall Environmental Analysis Laboratory, Inc.

WO#: **2203D53**

06-Apr-22

Client: GHD Midland
Project: Robinson B Federal 1

Sample ID: LCS-66403	SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range O	rganics)
Client ID: LCSS	Batch ID: 66403 RunNo: 86774	
Prep Date: 3/25/2022	Analysis Date: 3/25/2022 SeqNo: 3064237 Units: mg/Kg	
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD R	RPDLimit Qual
Diesel Range Organics (DRO)	44 10 50.00 0 87.4 68.9 135	
Surr: DNOP	3.9 5.000 77.9 51.1 141	
Sample ID: MB-66403	SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range O)rganics
Client ID: PBS	Batch ID: 66403 RunNo: 86774	
Prep Date: 3/25/2022	Analysis Date: 3/25/2022 SeqNo: 3064239 Units: mg/Kg	
Client ID: PBS	Batch ID: 66403 RunNo: 86774	

Client ID: PBS	Batcr	11D: 66	403	F	Kunino: 8	b//4				
Prep Date: 3/25/2022	Analysis Date: 3/25/2022			9	SeqNo: 3064239 Units: mg/K					
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	8.9		10.00		88.6	51.1	141			

Sample ID: 2203D53-004AMS	SampType: MS TestCode: EPA Method 80							esel Range	e Organics	
Client ID: TP3-19	Batch	Batch ID: 66403 RunNo: 86781								
Prep Date: 3/25/2022	Analysis D	ate: 3/	28/2022	S	SeqNo: 30	065103	Units: mg/K	(g		
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	SampTy _l	oe: MS	SD	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: TP3-19	Batch I	D: 66	403	F	RunNo: 8	6781				
Prep Date: 3/25/2022	Analysis Da	te: 3/	28/2022	S	SeqNo: 3	065104	Units: mg/K	g		
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-66452	SampT	ype: LC	S	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 66452 RunNo: 8680 :						lo: 86803					
Prep Date: 3/28/2022	Analysis D	ate: 3/	29/2022	SeqNo: 3066792 Units:				(g				
Analyte	Result	PQL	SPK 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					

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- 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 23 of 29

Hall Environmental Analysis Laboratory, Inc.

9.7

WO#: **2203D53** *06-Apr-22*

Client: GHD Midland
Project: Robinson B Federal 1

Sample ID: MB-66452	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 66452	RunNo: 86803
Prep Date: 3/28/2022	Analysis Date: 3/29/2022	SeqNo: 3066796 Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	ND 10	
Motor Oil Range Organics (MRO)	ND 50	
Surr: DNOP	12 10.00	117 51.1 141
Sample ID: LCS-66474	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 66474	RunNo: 86875
Prep Date: 3/29/2022	Analysis Date: 3/30/2022	SeqNo: 3069217 Units: mg/Kg
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	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 66474	RunNo: 86875
Prep Date: 3/29/2022	Analysis Date: 3/30/2022	SeqNo: 3069218 Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	ND 10	
Motor Oil Range Organics (MRO)	ND 50	

Sample ID: 2203D53-023AMS	SampType: MS TestCode: EPA Method 801							esel Range	e Organics	
Client ID: TP17-8	Batch	ID: 664	474	R	tunNo: 80	6904				
Prep Date: 3/29/2022	Analysis D	ate: 3/	31/2022	S	SeqNo: 30	070210	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range 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			

97.2

51.1

141

10.00

Sample ID: 2203D53-023AMSI	D SampT	ype: MS	SD	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: TP17-8	Batch	ID: 66 4	474	F	RunNo: 8	6904				
Prep Date: 3/29/2022	Analysis D	ate: 3/	31/2022	8	SeqNo: 3	070211	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	310	9.9	49.31	314.6	-8.27	36.1	154	3.95	33.9	S
Surr: DNOP	5.2		4.931		105	51.1	141	0	0	

Qualifiers:

Surr: DNOP

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- B Analyte 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 24 of 29

Hall Environmental Analysis Laboratory, Inc.

WO#: **2203D53** *06-Apr-22*

Client: GHD Midland
Project: Robinson B Federal 1

					8015D: Gaso	line Rang	е		
Batch ID: C8	86769	F	RunNo: 80	6769					
Analysis Date: 3	/25/2022	S	SeqNo: 30	064025	Units: mg/K	g			
Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
27 5.0	25.00	0	106	72.3	137				
2100	1000		215	37.7	212			S	
SampType: M I	BLK	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	е		
Batch ID: C8	86769	F	RunNo: 80	6769					
Analysis Date: 3	/25/2022	S	SeqNo: 30	064026	Units: mg/K	g			
Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
ND 5.0									
1000	1000		101	37.7	212				
SampType: LC	:s	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e		
Batch ID: 66	412	F	RunNo: 80	6795					
Analysis Date: 3	/28/2022	SeqNo: 3065000			Units: mg/K	g			
Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
31 5.0	25.00	0	124	72.3	137				
2300	1000		231	37.7	212			S	
SampType: M I	BLK	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e		
Batch ID: 66	412	F	RunNo: 80	6795					
Analysis Date: 3	/28/2022	S	SeqNo: 30	065001	Units: mg/K	g			
Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
ND 5.0					-				
1100	1000		109	37.7	212				
SampType: M I	BLK	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e		
Batch ID: 66	414	F	RunNo: 80	6824					
Analysis Date: 3	/29/2022	S	SeqNo: 30	066190	Units: mg/K	g			
Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Result PQL ND 5.0	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
	Batch ID: Canalysis Date: 3, Result PQL 27 5.0 2100 SampType: MI Batch ID: Canalysis Date: 3, Result PQL ND 5.0 1000 SampType: LC Batch ID: 66 Analysis Date: 3, Result PQL 31 5.0 2300 SampType: MI Batch ID: 66 Analysis Date: 3, Result PQL 31 5.0 2300 SampType: MI Batch ID: 66 Analysis Date: 3, Result PQL ND 5.0 1100 SampType: MI Batch ID: 66 Analysis Date: 3, Result PQL ND 5.0 1100	27 5.0 25.00 2100 1000 SampType: MBLK Batch ID: C86769 Analysis Date: 3/25/2022 Result PQL SPK value ND 5.0 1000 1000 SampType: LCS Batch ID: 66412 Analysis Date: 3/28/2022 Result PQL SPK value 31 5.0 25.00 2300 1000 SampType: MBLK Batch ID: 66412 Analysis Date: 3/28/2022 Result PQL SPK value 31 5.0 25.00 2300 1000 SampType: MBLK Batch ID: 66412 Analysis Date: 3/28/2022 Result PQL SPK value	Batch ID: C86769 Feature Batch ID: SPK value SPK Ref Value SPK	Batch ID: C86769 RunNo: 8 Analysis Date: 3/25/2022 SeqNo: 3 Result PQL SPK value SPK Ref Val %REC 27 5.0 25.00 0 106 2100 1000 1000 215 SampType: MBLK TestCode: El Batch ID: C86769 RunNo: 8 Analysis Date: 3/25/2022 SeqNo: 3 Result PQL SPK value SPK Ref Val %REC ND 5.0 1000 TestCode: El Analysis Date: 3/28/2022 SPK Ref Val %REC SampType: MBLK TestCode: El Result PQL SPK value SPK Ref Val %REC ND 5.0 1000 109 SampType: MBLK TestCode: El Batch ID: 66412 RunNo: 8 Analysis Date: 3/28/2022 SeqNo: 3 Result PQL SPK value	Batch ID: C86769 RunNo: 86769 Analysis Date: 3/25/2022 SeqNo: 3064025 Result PQL SPK value SPK Ref Val %REC LowLimit 27 5.0 25.00 0 106 72.3 2100 1000 1000 215 37.7 SampType: MBLK TestCode: EPA Method Batch ID: 68769 RunNo: 86769 Analysis Date: 3/25/2022 SPK Ref Val %REC LowLimit ND 5.0 TestCode: EPA Method Batch ID: 66412 RunNo: 86795 Analysis Date: 3/28/2022 SPK Ref Val %REC LowLimit 31 5.0 25.00 0 124 72.3 231 37.7 SampType: MBLK TestCode: EPA Method Result PQL SPK value SPK Ref Val %REC LowLimit ND 5.0 1000 5.0 123 37.7 SampType: MBLK TestCode: EPA Method SeqNo: 3065001 <td colsp<="" td=""><td>Batch ID: C86769 RunNo: 86769 Analysis Date: 3/25/2022 SeqNo: 3064025 Units: mg/K Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit 27 5.0 25.00 0 106 72.3 137 2100 1000 215 37.7 212 SampType: MBLK TestCode: EPA Method 8015D: Gaso 86769 Analysis Date: 3/25/2022 SPK Ref Val %REC LowLimit HighLimit ND 5.0 TestCode: EPA Method 8015D: Gaso 86795 Batch ID: 66412 RunNo: 86795 Analysis Date: 3/28/2022 SPK Ref Val %REC LowLimit HighLimit 31 5.0 25.00 25.00 0 124 72.3 137. 212 SampType: MBLK TestCode: EPA Method 8015D: Gaso 807. Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit ND 5.0 SPK value SPK Ref Val %REC LowLimit HighLimit ND 5.0 SPK value SPK Ref Val %REC LowLimit HighLimit</td><td>Batch ID: C86769 RunNo: 86769 Analysis Date: 3/25/2022 SeqNo: 3064025 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD 27 5.0 25.00 0 106 72.3 137 2100 1000 215 37.7 212 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Rang Batch ID: C86769 RunNo: 86769 RunNo: 86769 Analysis Date: 3/25/2022 SeqNo: 3064026 Units: mg/Kg Result PQL SPK value SPK Ref Val MREC LowLimit HighLimit %RPD Analysis Date: 3/28/2022 SeqNo: 3065000 Units: mg/Kg Result PQL SPK value SPK Ref Val MREC LowLimit HighLimit %RPD Analysis Date: 3/28/2022 SeqNo: 3065001 Units: mg/Kg Analysis Date:</td><td>Batch ID: C86769 RunNo: 86769 Analysis Date: 3/25/2022 SeqNo: 3064025 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit 27 5.0 25.00 0 106 72.3 137 212 TestCode: EPA Method 3137 212 TestCode: EPA Method 30.50 TestCode: EPA Me</td></td>	<td>Batch ID: C86769 RunNo: 86769 Analysis Date: 3/25/2022 SeqNo: 3064025 Units: mg/K Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit 27 5.0 25.00 0 106 72.3 137 2100 1000 215 37.7 212 SampType: MBLK TestCode: EPA Method 8015D: Gaso 86769 Analysis Date: 3/25/2022 SPK Ref Val %REC LowLimit HighLimit ND 5.0 TestCode: EPA Method 8015D: Gaso 86795 Batch ID: 66412 RunNo: 86795 Analysis Date: 3/28/2022 SPK Ref Val %REC LowLimit HighLimit 31 5.0 25.00 25.00 0 124 72.3 137. 212 SampType: MBLK TestCode: EPA Method 8015D: Gaso 807. Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit ND 5.0 SPK value SPK Ref Val %REC LowLimit HighLimit ND 5.0 SPK value SPK Ref Val %REC LowLimit HighLimit</td> <td>Batch ID: C86769 RunNo: 86769 Analysis Date: 3/25/2022 SeqNo: 3064025 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD 27 5.0 25.00 0 106 72.3 137 2100 1000 215 37.7 212 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Rang Batch ID: C86769 RunNo: 86769 RunNo: 86769 Analysis Date: 3/25/2022 SeqNo: 3064026 Units: mg/Kg Result PQL SPK value SPK Ref Val MREC LowLimit HighLimit %RPD Analysis Date: 3/28/2022 SeqNo: 3065000 Units: mg/Kg Result PQL SPK value SPK Ref Val MREC LowLimit HighLimit %RPD Analysis Date: 3/28/2022 SeqNo: 3065001 Units: mg/Kg Analysis Date:</td> <td>Batch ID: C86769 RunNo: 86769 Analysis Date: 3/25/2022 SeqNo: 3064025 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit 27 5.0 25.00 0 106 72.3 137 212 TestCode: EPA Method 3137 212 TestCode: EPA Method 30.50 TestCode: EPA Me</td>	Batch ID: C86769 RunNo: 86769 Analysis Date: 3/25/2022 SeqNo: 3064025 Units: mg/K Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit 27 5.0 25.00 0 106 72.3 137 2100 1000 215 37.7 212 SampType: MBLK TestCode: EPA Method 8015D: Gaso 86769 Analysis Date: 3/25/2022 SPK Ref Val %REC LowLimit HighLimit ND 5.0 TestCode: EPA Method 8015D: Gaso 86795 Batch ID: 66412 RunNo: 86795 Analysis Date: 3/28/2022 SPK Ref Val %REC LowLimit HighLimit 31 5.0 25.00 25.00 0 124 72.3 137. 212 SampType: MBLK TestCode: EPA Method 8015D: Gaso 807. Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit ND 5.0 SPK value SPK Ref Val %REC LowLimit HighLimit ND 5.0 SPK value SPK Ref Val %REC LowLimit HighLimit	Batch ID: C86769 RunNo: 86769 Analysis Date: 3/25/2022 SeqNo: 3064025 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD 27 5.0 25.00 0 106 72.3 137 2100 1000 215 37.7 212 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Rang Batch ID: C86769 RunNo: 86769 RunNo: 86769 Analysis Date: 3/25/2022 SeqNo: 3064026 Units: mg/Kg Result PQL SPK value SPK Ref Val MREC LowLimit HighLimit %RPD Analysis Date: 3/28/2022 SeqNo: 3065000 Units: mg/Kg Result PQL SPK value SPK Ref Val MREC LowLimit HighLimit %RPD Analysis Date: 3/28/2022 SeqNo: 3065001 Units: mg/Kg Analysis Date:	Batch ID: C86769 RunNo: 86769 Analysis Date: 3/25/2022 SeqNo: 3064025 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit 27 5.0 25.00 0 106 72.3 137 212 TestCode: EPA Method 3137 212 TestCode: EPA Method 30.50 TestCode: EPA Me

Qualifiers:

Analyte

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix

Sample ID: Ics-66414

Prep Date: 3/25/2022

Client ID: LCSS

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

SampType: LCS

Batch ID: 66414

Analysis Date: 3/29/2022

PQL

Result

B Analyte detected in the associated Method Blank

RunNo: 86824

%REC

SeqNo: 3066191

TestCode: EPA Method 8015D: Gasoline Range

LowLimit

Units: mg/Kg

HighLimit

%RPD

E Estimated value

SPK value SPK Ref Val

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

Page 25 of 29

RPDLimit

Qual

Hall Environmental Analysis Laboratory, Inc.

WO#: **2203D53**

06-Apr-22

Client: GHD Midland
Project: Robinson B Federal 1

Sample ID: Ics-66414 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 66414 RunNo: 86824

Prep Date: 3/25/2022 Analysis Date: 3/29/2022 SeqNo: 3066191 Units: mg/Kg

PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte Result LowLimit Qual 0 72.3 Gasoline Range Organics (GRO) 26 5.0 25.00 104 137 Surr: BFB 2000 1000 204 37.7 212

Sample ID: 2203d53-023ams SampType: MS TestCode: EPA Method 8015D: Gasoline Range

Client ID: TP17-8 Batch ID: 66414 RunNo: 86824

Prep Date: 3/25/2022 Analysis Date: 3/29/2022 SeqNo: 3066193 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 70 Gasoline Range Organics (GRO) 26 5.0 24.80 0 107 130 Surr: BFB 2000 992.1 199 37.7 212

Sample ID: 2203d53-023amsd SampType: MSD TestCode: EPA Method 8015D: Gasoline Range

Client ID: **TP17-8** Batch ID: **66414** RunNo: **86824**

Prep Date: 3/25/2022 Analysis Date: 3/29/2022 SeqNo: 3066194 Units: mg/Kg

%RPD Result SPK value SPK Ref Val %REC LowLimit HighLimit **RPDLimit** Qual Analyte POI Gasoline Range Organics (GRO) 25 5.0 24.90 0 101 70 130 4.60 20 Surr: BFB 2000 996.0 212 0 0 198 37.7

Qualifiers:

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

Page 26 of 29

Hall Environmental Analysis Laboratory, Inc.

WO#: **2203D53**

06-Apr-22

Client: GHD Midland
Project: Robinson B Federal 1

Sample ID: 100ng btex Ics	SampT	ype: LC	S	Tes	tCode: El	iles					
Client ID: LCSS	Batcl	h ID: D8	6769	F	RunNo: 8	6769					
Prep Date:	Analysis D	Date: 3/	25/2022	S	SeqNo: 3	064035	Units: mg/Kg				
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	2.8 0.10 3.000			91.9	80	120				
Surr: 4-Bromofluorobenzene	0.88	0.88 1.000			88.3	70	130				

Sample ID: mb	SampT	ype: ME	BLK	Tes	TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch	n ID: D8	6769	F	RunNo: 8	6769					
Prep Date:	Analysis D	Date: 3/	25/2022	8	SeqNo: 3	064036	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	ND	0.025									
Toluene	ND	0.050									
Ethylbenzene	ND	0.050									
Xylenes, Total	ND	0.10									
Surr: 4-Bromofluorobenzene	0.86		1.000		86.1	70	130				

Sample ID: 2203d53-004a ms	SampT	ype: MS	3	Tes						
Client ID: TP3-19	Batch	n ID: D8	6769	F	RunNo: 8	6769				
Prep Date:	Analysis D	ate: 3/	25/2022	9	SeqNo: 3	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-Bromofluorobenzene	13		12.35		103	70	130			

Sample ID: 2203D53-004A I	MSD SampT	ype: MS	SD.	TestCode: EPA Method 8021B: Volatiles						
Client ID: TP3-19	Batch	ID: D8	6769	F	RunNo: 8					
Prep Date:	Analysis D	ate: 3/	25/2022	9	SeqNo: 3	064041	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	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	
Toluene	14	0.62	12.35	3.616	84.3	73.6	124	4.81	20	
Ethylbenzene	18	0.62	12.35	7.903	83.6	72.7	129	5.54	20	
Xylenes, Total	41	1.2	37.04	9.417	84.8	75.7	126	4.31	20	
Surr: 4-Bromofluorobenzene	12		12.35		99.8	70	130	0	0	

Qualifiers:

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

Page 27 of 29

Hall Environmental Analysis Laboratory, Inc.

WO#: **2203D53**

06-Apr-22

Client: GHD Midland
Project: Robinson B Federal 1

Sample ID: Ics-66412	SampT	ype: LC	S	TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch	n ID: 66 4	412	F	RunNo: 8	6795					
Prep Date: 3/25/2022	Analysis D	oate: 3/2	28/2022	8	SeqNo: 3	065042	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-Bromofluorobenzene	0.86	0.86 1.000			85.8 70						

Sample ID: mb-66412	SampT	ype: ME	BLK	TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch	n ID: 66 4	412	F	RunNo: 8	6795				
Prep Date: 3/25/2022	Analysis D	ate: 3/	28/2022	8	SeqNo: 3	065043	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.87		1.000		86.9	70	130			

Sample ID: mb-66414	SampT	ype: ME	BLK	TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch	n ID: 66	414	R	lunNo: 8						
Prep Date: 3/25/2022	Analysis D	ate: 3/	29/2022	S	SeqNo: 3	066238	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	ND	0.025									
Toluene	ND	0.050									
Ethylbenzene	ND	0.050									
Xylenes, Total	ND	0.10									
Surr: 4-Bromofluorobenzene	0.99		1.000		98.8	70	130				

Sample ID: LCS-66414	SampT	SampType: LCS TestCode: EPA Me						ethod 8021B: Volatiles					
Client ID: LCSS	Batcl	n ID: 66 4	414	F									
Prep Date: 3/25/2022	Analysis D	Date: 3/2	29/2022	9	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						
Surr: 4-Bromofluorobenzene	0.99	0.99 1.000			99.0	70	130						

Qualifiers:

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

Page 28 of 29

Hall Environmental Analysis Laboratory, Inc.

WO#: **2203D53**

06-Apr-22

Client: GHD Midland
Project: Robinson B Federal 1

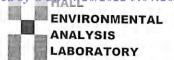
Sample ID: 2203d53-024ams	SampT	уре: М S	3	Tes	tCode: El	iles				
Client ID: TP17-10	Batcl	h ID: 66 4	414	F	RunNo: 8	6824				
Prep Date: 3/25/2022	Analysis D	Date: 3/	29/2022	SeqNo: 3066242			Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	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	2.6 0.098 2.927			87.4	75.7	126			
Surr: 4-Bromofluorobenzene	0.99	0.99 0.9756			101	70	130			

Sample ID: 2203d53-024ams	sd Samp	Гуре: М \$	SD	Tes	tCode: El	iles				
Client ID: TP17-10	Batc	h ID: 66 4	414	F	RunNo: 8					
Prep Date: 3/25/2022	Analysis [Date: 3/	29/2022	\$	SeqNo: 3066243 Units: mg/Kg					
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-Bromofluorobenzene	0.98		0.9653		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

Page 29 of 29



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

Website: clients.hallenvironmental.com

Sample Log-In Check List

Client Name	e: GHD Mid	lland	Work Order Nun	nber: 220	3D53		RcptNo: 1
Received By	y: Cheyen	ne Cason	3/25/2022 7:23:00	АМ		Chenl	
Completed E	By: Cheven	ne Cason	3/25/2022 7:56:38	ΔM		Chul	
Reviewed By		3/25/2				Muc	
Chain of C	ustody						
1. Is Chain o	of Custody com	plete?		Yes	~	No 🗌	Not Present
2. How was	the sample del	livered?		Clie	<u>nt</u>		
Log In							
3. Was an at	tempt made to	cool the sam	ples?	Yes	•	No 🗌	NA 🗆
4. Were all sa	amples receive	ed at a temper	rature of >0° C to 6.0°C	Yes	~	No 🗆	NA 🗆
5. Sample(s)	in proper cont	ainer(s)?		Yes	~	No 🗌	
6. Sufficient s	ample volume	for indicated	test(s)?	Yes	V	No 🗌	
7. Are sample	es (except VOA	and ONG) p	roperly preserved?	Yes	~	No 🗆	
8. Was prese				Yes		No 🔽	NA 🗆
9. Received a	t least 1 vial w	ith headspace	e <1/4" for AQ VOA?	Yes		No 🗌	NA 🗹
10. Were any	sample contair	ners received	broken?	Yes		No 🔽	# of preserved
11. Does paper	rwork match be epancies on ch		v)	Yes	V	No 🗌	bottles checked for pH:
12. Are matrice			Se.	Yes	V	No 🗌	(<2 or >12 unless noted) Adjusted?
13. Is it clear w				Yes	V	No 🗆	
14. Were all ho		le to be met?		Yes		No 🗆	enecked by: 10 3 (25/2
Special Han)			-	
			with this order?	Yes		No 🗌	NA 🗹
	on Notified:					134	110)
	/hom:	-	Date:			Dhono 🗆 🗆	□ la passass
100	rding:		via:	eMa	all [] l	Phone Fax	☐ In Person
	t Instructions:						
16. Additional	remarks:						
17. <u>Cooler Inf</u>							
Cooler			Seal Intact Seal No	Seal Da	ate	Signed By	
1 2	2.9	Good	Not Present				
3	1.6 2.8	Good Good	Not Present Not Present				
179		2504	COL 1 16361IL				

Moiling Address:				V			8 5				(2000	-	
		₩ Standard	Rush	h Silli		T		ANALL	EN	ב ב ב		E 8	ENVIRONMENTAL	A
Moiling Address:		Project Name:		0				1	7	0	9	2	AIMELISIS LABORALORY	K
Mailing Address.		Rabinson	13 K	The state of the s	4	www.ns 4901 Hawkins NF	wk wkins	, <u> </u>	environmental.com Albuquerque NM 87100	menta	AL COM	87100		
324 W. Main St. Suite 10.	Suite 108, Artesia NM 88210	Project #:			T	Tel 505-345-3975	-345-3		Fav	544451446, 14M 07	, MIN.	107		
Phone #: (505)377-4218	7-4218	125	74110					Am	Analysis Request	Regu	est	2		
email or Fax#: Becky.H.	Becky. Haskell@ghd.com	Project Manager:	ider:				H		to		(;	F	-	F
QA/QC Package:	Vacitabila Validation	Becky Haskell) =				SWI		OS ԠO		həsdA			
1	Level 4 (1 dii vaildatiori)	I OITI Larson					S0	_	_		_			
ou:	☐ Az Compliance	Sampler:	Zach Comino	0		2808		Oi	405,	_	_	3/	7	
L NELAC — Omer		On Ice:	₹ Ke	oN 🗆		3/56			1 '8				521	
= EUU (1ype)		# of Coolers:	3 2.9.	2.9-0229		əpi			_)Λ.		77	D	
		Cooler Temp(including CF):	i	-0=1.6	-	oitee				imə		5	1	
Date Time Matrix	Sample Name	Container Type and #	Preservative Type	2.6-0=2.8 HEAL No.	YEX /	94 F80	M) BO:	3 AAO	Seo (√	S) 072	otal Co	6/7	my h	
03222,0745 S	183.8	N		V		8	4			8		7	7	-
1		18.		3	1	1	-		+	1	7	2		
0185	11.7.12			200										
D810	TP3-16			803							F			
0835	773-18			700							-		×	
0260	180			ā							+	L	1	
Sas	TP5 12			700			-		-		+	>	t	
2460	41.04				-		F	+	-		+	ζ.	+	
7550	12-1			200	-	+	I			+	+	1	+	1
1012	1000			CD8	-	1		+		1	+	1	4	
1035	7.67			236)	-				7		8	
1845	2.191			210							+	1	+	
000	101-8			912	4			+		t	-	2	1	1
Date: Time: Relinquished by:	d by:	Received by:	Via:	Date Time	Rem	Remarks: Please email: Chase	lease	email:	Chase		- @ec	Jaresc	Settle@eogresources.com.	- L.
2080	Jul Mel	CALLA	AAAA	300/30 800		Tom.l	Tom.Larson@ghd.com; Zach.Comino@ghd.com	@ghd.	com; Z		omino	o@gh	d.com	,
Time: Rel	d by:	Received by:	Via:	-	< <	mber	Ma Griffin(Matthew.Laughlin@ghd.com; in@eogresources.com: Alono	Laugh	lin@gl es.cor	nd.cor	m; na wii	Matthew.Laughlin@ghd.com; Amber Griffin@eogresources.com; Along with Becky	>
124/20 1900 all	190 all listed above. Haskell listed above.	me C	Carry 31	175/14 G723				Hask	Haskell listed above	ed abo	ve.	0		5

Project Name: Project Name	
Project Name: Project Name: Project Name: Project Name: Project Name: Project Name: Project Name Project #: (505)377-4218 Project #: (505)377-4218 Project #: Packaye: Pac	www.hallenvironmental.com 4901 Hawkins NE www.hallenvironmental.com 4901 Hawkins NE www.hallenvironmental.com 4901 Hawkins NE BO81 Pesticides/8082 PCB's 765-345-3975 Fax 505-345-3975 Fax 505-345-4107 PAHs by 8310 or 8270SIMS Analysis Request CI, F, Br, NO ₂ , NO ₂ , PO ₄ , SO ₄ SO ₄ RCRA 8 Metals Analysis Request S270 (Semi-VOA) Fax 505-345-4107 Total Coliform (Present/Absent) Chloride Method 300 Chloride Method 300 Chloride Method 300
Main St. Suite 108 Artesia NM 88210	Www.nallenvironmental.com Www.nallenvironmental.com Www.nallenvironmental.com Www.nallenvironmental.com Www.nallenvironmental.com Www.nallenvironmental.com Www.nallenvironmental.com Www.nallenvironmental.com Www.nallenvironmental.com World Sold Sold Sold Sold Sold Sold Sold So
Wain St. Suite 108, Artesia NM 88210	Tel. 505-345-9082 PCB's 8081 Pesticides/8082 PCB's 8081 Pesticides/8082 PCB's EDB (Method 504.1) PAHs by 8310 or 8270SIMS RCRA 8 Metals CI, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄ 8250 (VOA) R270 (Semi-VOA) Total Coliform (Present/Absent) 7 Chloride Method 300
##: (505)3774218 ##: (505)3774218 In Fax#: Becky Haskell@ghd.com	### Chloride Method 300 ### Chloride Method 3
Time Matrix Sample Name Type and # Type Apple 12 This is a special of the second of th	8081 Pesticides/8082 PCB's 8081 Pesticides/8082 PCB's EDB (Method 504.1) PAHs by 8310 or 8270SIMS RCRA 8 Metals CI, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄ 8260 (VOA) 8270 (Semi-VOA) Total Coliform (Present/Absent) 7 Chloride Method 300
Package: Date Recky Haskell Idard Date Compliance On Ice: X Yes In No AC Incher AC	PAHs by 8310 or 8270SIMS RCRA 8 Metals CI, F, Br, NO ₃ , NO ₂ , PO ₄ , SO 8250 (VOA) Total Coliform (Present/Absentional 300) Total Coliform (Present/Absentional 300)
Itation: Date Compliance Container Cooper Templumbung CFI: Start Comino Cooper Templumbung CFI: Start Comino Cooper Templumbung CFI: Start CFI:	EDB (Method 504.1) PAHs by 8310 or 82705IM RCRA 8 Metals CI, F, Br, NO ₃ , NO ₂ , PO ₂ 8260 (VOA) 8270 (Semi-VOA) Total Coliform (Present/Ab) Total Coliform (Present/Ab)
tittion:	## SON SET PESTICION OF PRINCIPE 8081 Pesticides/8082 8081 Pesticides/8082 EDB (Method 504.1) PAHs by 8310 or 8270 (Semi-VOA) 8260 (VOA) 8270 (Semi-VOA) Total Coliform (Presen Total Coliform (
Time Matrix Sample Name Type and # Type Sold Sold Sold Sold Sold Sold Sold Sold	BO81 Pesticides/8 BO81 Pesticides/8 EDB (Method 50² PAHs by 8310 or RCRA 8 Metals CI, F, Br, NO₃, I 8260 (VOA) 8270 (Semi-VOA) Total Coliform (Promination of the control of the c
Time Matrix Sample Name Type and # Type Coler Templineluding CF1: 2, EAST flags Container Preservative HEAL No. The Sample Name Type and # Type Coler Typ	EDB (Method BO81 Pesticide BO81 Pesticide CI, F, Br, NO B270 (Semi-Vo B270 (Semi-Vo Total Coliform
Time Matrix Sample Name Type and # Type Sectorative HEAL No. TRIZ. 820 Sectorative HEAL No. TRIZ. 12 Sectorative HEAL No. TRIZ. 13 Sectorative HEAL No. TRIZ. 14 Sectorative HEAL No. TRIZ. 14 Sectorative HEAL No. TRIZ. 15 Sectorative HEAL NO. TRIZ	### Chi:8015D ### Boat Pestic #### Boat
Time Matrix Sample Name Container Type and # Type Preservative Preserv	8081 I PAHS RCRA CI, F, CI, F, 8250 (8250 (8250 (
1130 S TPIN-10 E CONTACTOR SOLD SILS ON STORY IN SILO SILS ON SILO SILO SILO SILO SILO SILO SILO SILO	D A
1 TP12.8 TP12.14 TP15.14 TP15.14	
TP12.14 TP15.14 TP15.14 TP15.14	
71-21d7 71-21d7 71-21d7	
7 - 14 21 - 14 21 - 21	*
7 PIS-16	
8-914	*
176-2	
1400 TR7.2	
1410 CP11.4	
1420 TPM.8	
1450 4 TAZ-10	
Received by: Via: Date Time Rema	Remarks: Please email: Chase_Settle@eogresources.com;
22 con 2. Cours. M. Musum 3/24/32 800	I m
Time: Relinquished by: Via: Date Time	Matthew.Laughlin@ghd.com; Amber Griffin@eograeourges.com; Along with Books
Alm and Church 2008 19812 0.203 Haskell listed above.	Haskell listed above.

S: Suite 108, Artesia NM 88 (505)377-4218 Beckv.Haskell@ghd.com D Az Compliance Other C Az Compliance C Other C Az Compliance	Turn-Around Time: **Example	www.hallenvironmental.com	Project #:	16. 505-345-3975 Fax 505-345-4107	Serial Se	Project Manager: Becky Haskell Becky Haskell	4 (Full Validation) Tom Larson	Sampler: Zach Comino TMB 8270	35 7 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	MTE SED((C) AST MACE: MA	Container Preservative HE	7. 02.5	250					Received by: Via: Date Time Remarks: Please email: Chase_Settle@eogresources.com; Tom.Larson@ghd.com; Zach.Comino@dhd.com	Time
- 1	Chain-of-Custody Record Turn-Around Turn-	Mailing Address:	324 W. Main St. Suite 108, Artesia NM 88210 Project #:				4 (Full Validation)	mpliance Sampler:	# of Coolers:	Cooler Temp _{(in}		TAB-S Jan	1 7-81-7				//	Received by:	3



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

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

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 Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order 2203D57

Date Reported: 4/5/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP19-S

 Project:
 Robinson B Federal 1
 Collection Date: 3/24/2022 7:30:00 AM

 Lab ID:
 2203D57-001
 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					Analyst	CAS
Chloride	ND	60	mg/Kg	20	4/1/2022 12:19:00 AM	66531
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: 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					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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 14

Lab Order 2203D57

Date Reported: 4/5/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP19-2

Project: Robinson B Federal 1
 Collection Date: 3/24/2022 7:35:00 AM

 Lab ID: 2203D57-002
 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					Analyst	CAS
Chloride	ND	60	mg/Kg	20	4/1/2022 12:31:24 AM	66531
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: 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					Analyst	: 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					Analyst	: 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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 14

Lab Order **2203D57**

Date Reported: 4/5/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP20-S

 Project:
 Robinson B Federal 1
 Collection Date: 3/24/2022 7:50:00 AM

 Lab ID:
 2203D57-003
 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					Analyst	CAS
Chloride	ND	60	mg/Kg	20	4/1/2022 12:43:49 AM	66531
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: 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					Analyst	: 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					Analyst	: 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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 3 of 14

Lab Order 2203D57

Date Reported: 4/5/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP20-2

 Project:
 Robinson B Federal 1
 Collection Date: 3/24/2022 8:00:00 AM

 Lab ID:
 2203D57-004
 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					Analyst	CAS
Chloride	ND	60	mg/Kg	20	4/1/2022 12:56:13 AM	66531
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: 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					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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- 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 14

Lab Order **2203D57**

Date Reported: 4/5/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP21-S

 Project:
 Robinson B Federal 1
 Collection Date: 3/24/2022 8:10:00 AM

 Lab ID:
 2203D57-005
 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					Analyst	CAS
Chloride	ND	60	mg/Kg	20	4/1/2022 1:08:38 AM	66531
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 5 of 14

Lab Order **2203D57**

Date Reported: 4/5/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP21-2

 Project:
 Robinson B Federal 1
 Collection Date: 3/24/2022 8:20:00 AM

 Lab ID:
 2203D57-006
 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					Analyst	: JMT
Chloride	ND	59	mg/Kg	20	3/31/2022 11:51:23 PM	66549
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				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					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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 6 of 14

Lab Order **2203D57**

Date Reported: 4/5/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP22-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					Analyst	: JMT
Chloride	ND	60	mg/Kg	20	4/1/2022 12:03:44 AM	66549
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: 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					Analyst	: 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					Analyst	: 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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 7 of 14

Lab Order **2203D57**

Date Reported: 4/5/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP22-2

 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					Analyst	: JMT
Chloride	ND	60	mg/Kg	20	4/1/2022 12:16:05 AM	66549
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	:: 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					Analyst	: 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					Analyst	:: 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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- 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 8 of 14

Lab Order 2203D57

Date Reported: 4/5/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP23-S

Project: Robinson B Federal 1
 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					Analyst	: JMT
Chloride	ND	60	mg/Kg	20	4/1/2022 12:28:26 AM	66549
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: 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					Analyst	: 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					Analyst	: 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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- 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 14

Lab Order **2203D57**

Date Reported: 4/5/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: TP23-2

 Project:
 Robinson B Federal 1
 Collection Date: 3/24/2022 9:00:00 AM

 Lab ID:
 2203D57-010
 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					Analyst	: JMT
Chloride	ND	60	mg/Kg	20	4/1/2022 12:40:46 AM	66549
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- 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 10 of 14

Hall Environmental Analysis Laboratory, Inc.

05-Apr-22

2203D57

WO#:

Client: GHD Midland
Project: Robinson B Federal 1

Sample ID: MB-66549 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 66549 RunNo: 86884

Prep Date: 3/31/2022 Analysis Date: 3/31/2022 SeqNo: 3070434 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-66549 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: **LCSS** Batch ID: **66549** RunNo: **86884**

Prep Date: 3/31/2022 Analysis Date: 3/31/2022 SeqNo: 3070435 Units: mg/Kg

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

91.7

110

Sample ID: LCS-66531 SampType: Ics TestCode: EPA Method 300.0: Anions

15.00

Client ID: LCSS Batch ID: 66531 RunNo: 86885

1.5

14

Prep Date: 3/31/2022 Analysis Date: 3/31/2022 SeqNo: 3070544 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 94.7 90 110

Qualifiers:

Chloride

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

Page 11 of 14

Hall Environmental Analysis Laboratory, Inc.

WO#: 2203D57

05-Apr-22

Client: GHD Midland **Project:** Robinson B Federal 1

Sample ID: LCS-66474 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 66474 RunNo: 86875 Units: mg/Kg Prep Date: 3/29/2022 Analysis Date: 3/30/2022 SeqNo: 3069217 PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte Result LowLimit Qual Diesel Range Organics (DRO) 10 0 42 50.00 83.9 68.9 135 Surr: DNOP 4.1 5.000 81.3 51.1 141

Sample ID: MB-66474 TestCode: EPA Method 8015M/D: Diesel Range Organics SampType: MBLK Client ID: PBS Batch ID: 66474 RunNo: 86875 Prep Date: 3/29/2022 Analysis Date: 3/30/2022 SeqNo: 3069218 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) ND 10 ND 50

Motor Oil Range Organics (MRO) 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
- Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference
- Analyte detected in the associated Method Blank
- Estimated value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Page 12 of 14

Hall Environmental Analysis Laboratory, Inc.

WO#: **2203D57**

05-Apr-22

Client: GHD Midland
Project: Robinson B Federal 1

Sample ID: mb-66414 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 66414 RunNo: 86824

Prep Date: 3/25/2022 Analysis Date: 3/29/2022 SeqNo: 3066190 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 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 66414 RunNo: 86824

2000

Prep Date: 3/25/2022 Analysis Date: 3/29/2022 SeqNo: 3066191 Units: mg/Kg

1000

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 72.3 Gasoline Range Organics (GRO) 26 5.0 25.00 0 104 137

204

37.7

212

Qualifiers:

Surr: BFB

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- 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 13 of 14

Hall Environmental Analysis Laboratory, Inc.

WO#: **2203D57 05-Apr-22**

Client: GHD Midland
Project: Robinson B Federal 1

Sample ID: mb-66414 SampType: MBLK TestCode: EPA Method 8021B: Volatiles

Client ID: **PBS** Batch ID: **66414** RunNo: **86824**

Prep Date: 3/25/2022 Analysis Date: 3/29/2022 SeqNo: 3066238 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Benzene ND 0.025

 Toluene
 ND
 0.050

 Ethylbenzene
 ND
 0.050

 Xylenes, Total
 ND
 0.10

 Surr: 4-Bromofluorobenzene
 0.99
 1.000
 98.8
 70
 130

Sample ID: LCS-66414 SampType: LCS TestCode: EPA Method 8021B: Volatiles
Client ID: LCSS Batch ID: 66414 RunNo: 86824

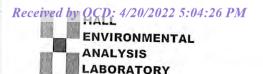
Prep Date: 3/25/2022 Analysis Date: 3/29/2022 SeqNo: 3066239 Units: mg/Kg

Fiep Date. 3/23/2022	Allalysis	Jaie. 31	29/2022	-	eqivo. 3	000239	Office. Hig/N	y		
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-Bromofluorobenzene	0.99		1.000		99.0	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



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

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

Sample Log-In Check List

Client Name: **GHD Midland** Work Order Number: 2203D57 RcptNo: 1 Received By: Cheyenne Cason 3/25/2022 7:23:00 AM Completed By: Desiree Dominguez 3/25/2022 8:19:23 AM Reviewed By: Sec 3/25/22 Chain of Custody 1. Is Chain of Custody complete? Yes 🗸 No 🗌 Not Present 2. How was the sample delivered? Courier Log In 3. Was an attempt made to cool the samples? Yes 🗸 No 🗌 NA 🗌 4. Were all samples received at a temperature of >0° C to 6.0°C No L NA 🗌 5. Sample(s) in proper container(s)? Yes 🗸 No 🗌 6. Sufficient sample volume for indicated test(s)? Yes V 7. Are samples (except VOA and ONG) properly preserved? 8. Was preservative added to bottles? Yes NA 🗌 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes No NA V 10. Were any sample containers received broken? Yes No V # of preserved bottles checked 11. Does paperwork match bottle labels? Yes V No for pH: (Note discrepancies on chain of custody) (<2 or >12 unless noted) 12. Are matrices correctly identified on Chain of Custody? Yes 🗸 No 🗌 Adjusted? 13. Is it clear what analyses were requested? Yes V No 🗌 14. Were all holding times able to be met? Checked by: 71 3 25-22 Yes 🗸 No 🗌 (If no, notify customer for authorization.) Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? Yes No NA V Person Notified: Date: By Whom: Via: eMail Phone Fax Regarding: Client Instructions: 16. Additional remarks: 17. Cooler Information Cooler No Temp °C Condition Seal Intact Seal No Seal Date Signed By 2.9 Good

2

3

1.6

2.8

Good

Good

Red		>	OCD.		0/20	122	5:04:	26	PM																	ources.com;		th Becky
	HALL ENVIRONMENTAI	ANALYSIS LABORATOR	www.hallenvironmental.com	Albuquerque, NIM 87109	Analysis Position	s veduest	(Juəso	AA\	ıezeu	ط) ر	V-im mioi	270 (Se otal Col	8 T	< -												Remarks: Please email: Chase_Settle@eogresources.com; 2.9 0:2.4 m. Larson@ghd.com; Zach.Comino@ghd.com	Matthew.Laughlin@ghd.com;	Annuel_Grinn@eogresources.com: Along with Becky 21.6 Annuel_Grinn@eogresources.com: Along with Becky
	LEN	NLYS]	=	i .	0.0	pilaliya p	os '‡	Ю	' ^z ON	_	ON '	3, F, Br 260 (VC	0	-												nail: Chas	ew.Laugh	ogresourd laskell list
	¥.	Ž	www.ha	INS IN	1 el. 303-343-3975	r	SV	VIS	0728 -	_		yd sHA		+	+	+	-			=	-	-	\vdash	-		se en	Matth) (J
	nda '	4	7	Jawr OF 2/	00-00							DB (We														Plea 1.Lars	(5
			200	100		1						18081 Pes				1										2:Por		2.5°
							_	_				EK!	-	1												Ren	0.6-0-1.6	20-8.2
		1			-					T				< -	1								-			'n	<u>-</u>	_ 7
	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	625	13.51	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2					SN C	2	C. Romes	HEAL No.	100-	200	2007	8000	h00-	200-	-000	-007	900-	600-	-010			3 min 136 n		stre ma
d Time:	d Rush	1	186		74110	ager	ell :		Zach Comino	3	5	Preservative Type														Via:	Via:	Cam 2
Turn-Around	- Standard	Project Name:	N. N	Project #:	()<	Project Manager:	Becky Haskell	Tom Larson	Sampler:	# of Coolers.	Cooler Temp	Container Type and #	100													Received by:	Received by:	m
Chain-of-Custody Record				324 W. Main St. Suite 108, Artesia NM 88210	7-4218	Becky.Haskell@ghd.com		☐ Level 4 (Full Validation)	☐ Az Compliance ☐ Other			Sample Name	S-6197	7-19-2	TOTO	929		2.124		P22.5	TP12-2	TP23-5	TP23.2		od by:	1/1/2	d by:	1900 alumas me cam 3/2
J-jo-			.;	t. Suite 10	(505)377-4218	Becky. F				1 1		Matrix	ΚO												Relinquished by	1	Relinquished by:	aa
Chain	t: GHD		Mailing Address:	V. Main S	.#:	email or Fax#:	QA/QC Package:	☐ Standard	Accreditation:	☐ EDD (Type)		Time	0730	735	218	700	9	0890	0830	0.850	0480	0680	920		Time:		Time:	2015 Leple
	Client:		Mailir	324 V	Phone #:	email	QAVQC	St	Accre			Date	C\$3422												Date:	(3524),	Date:	selve/

Received by OCD: 4/20/2022 5:04:26 PM Form C-141 State of New Mexico
Page 3 Oil Conservation Division

	Page 145 of 147
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?									
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?									
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No								
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No								
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes 🗓 No								
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes 🏻 No								
Are the lateral extents of the release within 300 feet of a wetland?	X Yes No								
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes 🗓 No								
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes X No								
Are the lateral extents of the release within a 100-year floodplain?									
Did the release impact areas not on an exploration, development, production, or storage site?	X Yes No								
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil								
Characterization Report Checklist: Each of the following items must be included in the report.									
 Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring well. Field data Data table of soil contaminant concentration data Depth to water determination Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release Boring or excavation logs Photographs including date and GIS information Topographic/Aerial maps Laboratory data including chain of custody 	ls.								

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

Received by OCD: 4/20/2022 5:04:26 PM Form C-141 State of New Mexico Page 4 Oil Conservation Division

Page	<i>146</i>	of	<u>1</u> 47

Incident ID	nAPP2202759509
District RP	
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.									
Printed Name: Chase Settle	Title: Rep Safety & Environmental Sr.								
Signature: Chase Settle	Date: 4/20/2022								
email: Chase Settle@eogresources.com	Telephone: _575-748-1471								
OCD Only									
Received by: Robert Hamlet	Date: 7/27/2022								

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

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

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

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

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

CONDITIONS

Action 100391

CONDITIONS

Operator:	OGRID:
EOG RESOURCES INC	7377
P.O. Box 2267	Action Number:
Midland, TX 79702	100391
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created B	y Condition	Condition Date
rhamle	The release will need to be remediated to the strictest closure criteria standards due to being in a flood plain area. Please collect confirmation samples (floor/sidewall), representing no more than 200 ft2. All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Floor samples must be excavated to the strictest closure criteria. Please, makes sure test pits TP1, TP2, and TP3 are vertically delineated. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. A remediation plan was due for this incident on 4/26/2022. Have the remediation plan loaded to the payment portal by no later than August 27th, 2022.	7/27/2022