Released to Imaging: 1/17/2023 10:41:10 AM
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State of New Mexico
Oil Conservation Division

Incident ID	nAPP202759509
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☑ Detailed description of proposed remediation technique
- ☑ Scaled sitemap with GPS coordinates showing delineation points
- ☑ Estimated volume of material to be remediated
- ☑ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☑ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

I hereby certify that the information given above is true and complete 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: Amber Griffin Title: Rep Safety & Environmental Sr

Signature: Amber Griffin Date: 12/19/2022

email: Amber_Griffin@eogresources.com Telephone: 575-748-1471

OCD Only

Received by: Jocelyn Harimon Date: 12/19/2022

☑ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: Date: 01/17/2023

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

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

Location of Release Source

Latitude 32.79189 Longitude -104.06366
(NAD 83 in decimal degrees to 5 decimal places)

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

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

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (*Name:* _____)

Nature and Volume of Release

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

☒ Crude Oil	Volume Released (bbls) Unknown	Volume Recovered (bbls) 0
☒ Produced Water	Volume Released (bbls) Unknown	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☒ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: Historical impacts were discovered during the decommissioning of the battery as part of plugging process. The environmental consultant contracted to perform the remediation determined on 01/26/2022 based off the initial investigation that the volume released most likely breached the reportable threshold.

State of New Mexico
Oil Conservation Division

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Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☑ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

☑ The source of the release has been stopped.
☑ The impacted area has been secured to protect human health and the environment.
☑ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☑ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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

Printed Name: Chase Settle
Title: Rep Safety & Environmental Sr

Signature: Chase Settle
Date: 02/01/2022

email: Chase_Settle@eogresources.com
Telephone: 575-748-1471

OCD Only

Received by: _____
Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2202759509
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Site Assessment/Characterization

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

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

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

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

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

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

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2202759509
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I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Chase Settle Title: Rep Safety & Environmental Sr.

Signature: Chase Settle Date: 4/20/2022

email: Chase_Settle@eogresources.com Telephone: 575-748-1471

OCD Only

Received by: Jocelyn Harimon Date: 12/19/2022

Incident ID	nAPP202759509
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: ***Each of the following items must be included in the plan.***

- ☑ Detailed description of proposed remediation technique
- ☑ Scaled sitemap with GPS coordinates showing delineation points
- ☑ Estimated volume of material to be remediated
- ☑ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☑ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: ***Each of the following items must be confirmed as part of any request for deferral of remediation.***

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

I hereby certify that the information given above is true and complete 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: Amber Griffin Title: Rep Safety & Environmental Sr

Signature: Amber Griffin Date: 12/19/2022

email: Amber_Griffin@eogresources.com Telephone: 575-748-1471

OCD Only

Received by: Jocelyn Harimon Date: 12/19/2022

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

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

Our ref: 12574110

December 19, 2022

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

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

To Whom It May Concern:

1. Introduction

GHD Services, Inc. (GHD), on behalf of EOG Resources (EOG), submits this Amended Remediation Work Plan to the New Mexico Oil Conservation Division (NMOCD) District 2 Office. This Report provides documentation of delineation, sampling, remediation activities, and analyses in the affected area at the EOG Robinson B Federal #1 Release Site (Site). The Site is located in Unit Letter F Section 34 of Township 17 South and Range 29 East in Eddy County, New Mexico. The GPS coordinates for the release site are 32.79189 N latitude and 104.06366 W longitude. The surface owner of the land where the release occurred is the US Bureau of Land Management (BLM). Figure 1 depicts the Site location. The EOG production facility and other site details are depicted on Figures 2 and 3.

2. Background Information

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

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

3. Groundwater and Site Characterization

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

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

General Site Characterization and Groundwater:

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

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

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

4. Soil Delineation Assessment Summary and Findings

From February 17, 2022, to March 24, 2022, GHD 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 benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, total petroleum hydrocarbons (TPH) by Method 8015B Modified, and chloride by EPA Method 300 by Hall Environmental Analysis Laboratory (HEAL) in Albuquerque, New Mexico.

Fourteen (14) of the twenty-three (23) test pits had samples exceeding applicable Table I Closure Criteria for depth to water less than fifty (50) feet bgs: TP1, TP2, TP3, TP4, TP5, TP7, TP8, TP9, TP10, TP11, TP12, TP14, TP15, and TP17. Figure 2 depicts the locations of the initial delineation samples and analytical concentrations. Analytical results are provided in Table 1, on Figure 2, and in the Laboratory Analytical Reports provided in Attachment B.

In order to vertically delineate TPH and chloride impacts, GHD and HCI Drilling (HCI) mobilized to the Site on April 27, 2022, to install two borings. SB-1 was installed to a depth of approximately thirty-five (35) feet bgs and SB-2 was installed to a depth of approximately thirty (30) feet bgs. Soil samples were collected at five (5) foot intervals from five (5) feet bgs to total depth. All soil samples were submitted to HEAL in Albuquerque, New Mexico, and analyzed for BTEX by EPA Method 8021B, TPH by Method 8015B Modified, and chloride by EPA Method 300. Figure 2 depicts the locations of the soil borings and analytical results. Analytical results are provided in Table 1, on Figure 2, and in the Laboratory Analytical Reports provided in Attachment B.

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

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

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

5. Initial Excavation, Confirmation Sampling, and Waste Management

GHD and SS mobilized to the Site on September 12, 2022, to perform excavation activities on the impacted area of the Site, excavation activities are currently ongoing. Currently, depths range from approximately three (3) feet bgs to twenty-seven (27) feet bgs. From October 3 through October 24, 2022, GHD collected one (1) bottom hole grab, sixty-six (66) bottom hole composite, and thirty (30) sidewall composite confirmation samples; BH-1 (grab), BH-2 through BH-67, SW-1 through SW-4, and SW-9 through SW-34. Samples were placed in laboratory-provided containers, which were immediately labelled, sealed, and stored/transported in a cooler containing ice to a laboratory certified by the National Environmental Laboratory Program (NELAP) for analysis. Composite confirmation samples represented areas no greater than two hundred (200) square feet. Five (5) samples were submitted to Cardinal Laboratories in Hobbs, New Mexico, the remaining samples were submitted to HEAL in Albuquerque, New Mexico, and analyzed for BTEX by EPA Method 8021B, TPH by Method 8015B Modified, and chloride by EPA Method 300.

Analytical results indicated sixty-nine (69) of the samples exhibited constituents of concern (benzene, BTEX, TPH, and chloride) concentrations above Table I Closure Criteria for the Site: BH-1 through BH-5, BH-7, BH-8, BH-10 through BH-15, BH-17, BH-19, BH-21 through BH-35, BH-39, BH-41, BH-26 through BH-52, BH-55, BH-59 through BH-61, BH-63 through BH-67, SW-1 through SW-4, SW-9, SW-10, SW-12, SW-14 through SW-18, SW-21, SW-22, SW-28, SW-29, and SW-31 through SW-34.

Due to confirmation sample results above Table I Closure Criteria, GHD and SS returned to the Site to further excavate the affected areas and resample on November 4, 2022.

- The areas around BH-2 through BH-5 and BH-7 through BH-10 were deepened from two (2) feet bgs to four (4) feet bgs, and resampled; BH-2A through BH-5A and BH-7A through BH-10A.

- The areas around BH-11 through BH-15, BH-16, BH-17, BH-19, and BH-21 were deepened from six (6) feet bgs to eight (8) feet bgs, and resampled; BH-11A through BH-15A, BH-16A, BH-17A, BH-19A, and BH-21A.
- The areas around BH-35 and BH-39 were deepened from five (5) feet bgs to seven (7) feet bgs, and resampled; BH-35A and BH-39A.
- The area around BH-41 was deepened from thirteen (13) feet bgs to fourteen (14) feet bgs, and resampled; BH-41A.
- The areas around BH-46 through BH-48 were deepened from nine (9) feet bgs to eleven (11) feet bgs, and resampled; BH-46A through BH-48A.
- The sidewalls of sample locations SW-11, SW-28, and SW-29 were further excavated and resampled; SW-11A, SW-28A, and SW-29A.

Confirmation samples represented areas no greater than two hundred (200) square feet. Samples were placed in laboratory-provided containers, which were immediately labelled, sealed, and stored/transported in a cooler containing ice to a laboratory certified by the NELAP for analysis. All samples were submitted to Envirotech in Farmington, New Mexico, and analyzed for BTEX by EPA Method 8021B, TPH by Method 8015B Modified, and chloride by EPA Method 300.

Analytical results indicated seventeen (17) of the samples exhibited TPH concentrations above Table I Closure Criteria: BH-5A, BH-11A through BH-15A, BH-17A, BH-19A, BH-21A, BH-39A, BH-41A, BH-46A through BH-48A, SW-22A, SW-28A, and SW-29A.

Due to confirmation sample results above Table I Closure Criteria, GHD and SS returned to the Site to further excavate the affected areas, resample, and collect additional samples on November 9, 2022.

- The sidewalls of sample locations SW-1 through SW-4, SW-9, SW-10, SW-12, and SW-14 through SW-18 were further excavated and resampled; SW-1A through SW-4A, SW-9A, SW-10A, SW-12A, and SW-14A through SW-18A.

An additional nineteen (19) confirmation samples were also collected; BH-68 through BH-76, and SW-35 through SW-44. Confirmation samples represented areas no greater than two hundred (200) square feet. Samples were placed in laboratory-provided containers, which were immediately labelled, sealed, and stored/transported in a cooler containing ice to a laboratory certified by the NELAP for analysis. All samples were submitted to Envirotech in Farmington, New Mexico, and analyzed for BTEX by EPA Method 8021B, TPH by Method 8015B Modified, and chloride by EPA Method 300.

Analytical results indicated twenty-four (24) of the samples exhibited TPH and/or chloride concentrations above Table I Closure Criteria: BH-5A, BH-68, BH-69, BH-71, BH-73 through BH-76, SW-2A through SW-4A, SW-9A, SW-10A, SW-12A, SW-14A through SW-18A, SW-36, SW-37, SW-40, and SW-42.

Due to confirmation sample results above Table I Closure Criteria, GHD and SS returned to the Site to further excavate the affected areas, resample, and collect additional samples on November 14, 2022.

- The areas around BH-22 through BH-34 and BH-49 through BH-51 were deepened from twenty (20 feet bgs to twenty-five (25) feet bgs and resampled; BH-22A through BH-34A and BH-49 through BH-51A.

- The areas around BH-52 and BH-55 were deepened from twenty-six (26) feet bgs to twenty-seven (27) feet bgs and resampled; BH-52A and BH-55A.
- The areas around BH-59 through BH-61 were deepened from two (2) feet bgs to four (4) feet bgs and resampled; BH-59A through BH-61A.
- The area around BH-65 was deepened from three (3) feet bgs to five (5) feet bgs and resampled; BH-65A.
- The area around BH-67 was deepened from thirteen (13) feet bgs to fourteen (14) feet bgs and resampled; BH-657.
- The sidewalls of sample locations SW-31 through SW-34 were further excavated and resampled; SW-31A through SW-34A.

An additional five (5) confirmation samples were also collected; BH-77 through BH-81. Confirmation samples represented areas no greater than two hundred (200) square feet. Samples were placed in laboratory-provided containers, which were immediately labelled, sealed, and stored/transported in a cooler containing ice to a laboratory certified by the NELAP for analysis. All samples were submitted to Envirotech in Farmington, New Mexico, and analyzed for BTEX by EPA Method 8021B, TPH by Method 8015B Modified, and chloride by EPA Method 300.

Analytical results indicated twenty-eight (28) of the samples exhibited TPH and/or chloride concentrations above Table I Closure Criteria: BH-22A through BH-34A, BH-49A through BH-52A, BH-55A, BH-60A, BH-63A, BH-64A, BH-66A, BH-77 through BH-81, and SW-32A.

Due to confirmation sample results above Table I Closure Criteria, GHD and SS returned to the Site to further excavate the affected areas and resample on November 17, 2022.

- The area around BH-1 was deepened from twenty-two (22) feet bgs to twenty-five (25) feet bgs and resampled; BH-1A.
- The area around BH-5A was deepened from four (4) feet bgs to six (6) feet bgs and resampled; BH-5B.
- The areas around BH-11A through BH-15A, BH-17A, BH-19A, and BH-21A were deepened from six (6) feet bgs to eight (8) feet bgs and resampled; BH-11B through BH-15B, BH-17B, BH-19B, and BH-21B.
- The area around BH-39A was deepened from seven (7) feet bgs to six (8) feet bgs and resampled; BH-39B.
- The area around BH-41A was deepened from fourteen (14) feet bgs to fifteen (15) feet bgs and resampled; BH-46B.
- The areas around BH-46A through BH-48A were deepened from eleven (11) feet bgs to thirteen (13) feet bgs and resampled; BH-46B through BH-48B.
- The sidewalls of sample locations SW-22A, SW-28A, and SW-29A were further excavated and resampled; SW-22B, SW-28B, and SW-29B.

Confirmation samples represented areas no greater than two hundred (200) square feet. Samples were placed in laboratory-provided containers, which were immediately labelled, sealed, and stored/transported in a cooler containing ice to a laboratory certified by the NELAP for analysis. All samples were submitted to Envirotech in

Farmington, New Mexico, and analyzed for BTEX by EPA Method 8021B, TPH by Method 8015B Modified, and chloride by EPA Method 300.

Analytical results indicated eleven (11) of the samples exhibited TPH concentrations above Table I Closure Criteria: BH-1A, BH-11B, BH-12B, BH-19B, BH-21B, BH-39B, BH-46B, BH-47B, SW-22B, SW-28B, and SW-29B.

Due to confirmation sample results above Table I Closure Criteria, GHD and SS returned to the Site to further excavate the affected areas, resample, and collect additional samples on November 22, 2022.

- The areas around BH-11B, BH-12B, and BH-19B were deepened from nine (9) feet bgs to eleven (11) feet bgs and resampled; BH-11C, BH-12C, and BH-19C.
- The area around BH-39B was deepened from eight (8) feet bgs to ten (10) feet bgs and resampled; BH-39C.
- The areas around BH-46B and BH-47B were deepened from thirteen (13) feet bgs to fifteen (15) feet bgs and resampled; BH46C and BH-47C.
- The sidewalls of sample location SW-28B was further excavated and resampled; SW-28C.

An additional sidewall confirmation samples was also collected; SW-45. Confirmation samples represented areas no greater than two hundred (200) square feet. Samples were placed in laboratory-provided containers, which were immediately labelled, sealed, and stored/transported in a cooler containing ice to a laboratory certified by the NELAP for analysis. All samples were submitted to Envirotech in Farmington, New Mexico, and analyzed for BTEX by EPA Method 8021B, TPH by Method 8015B Modified, and chloride by EPA Method 300.

Analytical results indicated five (5) of the samples exhibited TPH concentrations above Table I Closure Criteria: BH-11C, BH-46C, BH-47C, SW-28C, and SW-45.

Due to confirmation sample results above Table I Closure Criteria, GHD and SS returned to the Site to further excavate the affected areas and resample on November 30, 2022.

- The area around BH-11C was deepened from eleven (11) feet bgs to thirteen (13) feet bgs and resampled; BH-11D.
- The areas around BH-46C and BH-47C were deepened from fifteen (15) feet bgs to seventeen (17) feet bgs and resampled; BH46D and BH-47D.
- The areas around BH-63A and BH-64A were deepened from five (5) feet bgs to seven (7) feet bgs and resampled; BH63B and BH-64B.
- The area around BH-66A was deepened from fourteen (14) feet bgs to sixteen (16) feet bgs and resampled; BH-66B.
- The areas around BH-68, BH-69, and BH-71 were deepened from nine (9) feet bgs to eleven (11) feet bgs and resampled; BH-68A, BH-69A, and BH-71A.
- The areas around BH-73 through BH-76 were deepened from thirteen (13) feet bgs to fifteen (15) feet bgs and resampled; BH-73A through BH-76A.

- The sidewalls of sample locations SW-21, SW-22B, SW28C, SW-29B, SW-32A, SW-36, SW-37, SW-40, SW-42, and SW-45 were further excavated and resampled; SW-21C, SW-22C, SW28D, SW-29C, SW-32B, SW-36A, SW-37A, SW-40A, SW-42A, and SW-45A.

Confirmation samples represented areas no greater than two hundred (200) square feet. Samples were placed in laboratory-provided containers, which were immediately labelled, sealed, and stored/transported in a cooler containing ice to a laboratory certified by the NELAP for analysis. All samples were submitted to Envirotech in Farmington, New Mexico, and analyzed for BTEX by EPA Method 8021B, TPH by Method 8015B Modified, and chloride by EPA Method 300.

Analytical results indicated sixteen (16) of the samples exhibited TPH concentrations above Table I Closure Criteria: BH-46D, BH-47D, BH-63B, BH-68A, BH-71A, BH-73 through SW-76A, SW-21C, SW-22C, SW28D, SW-29C, SW-37A, SW-40A, and SW-42A.

On December 2, 2022, GHD and SS return to the Site to collect twelve (12) additional sidewall composite confirmation samples; SW-46 through SW-57. Confirmation samples represented areas no greater than two hundred (200) square feet. Samples were placed in laboratory-provided containers, which were immediately labelled, sealed, and stored/transported in a cooler containing ice to a laboratory certified by the NELAP for analysis. All samples were submitted to Envirotech in Farmington, New Mexico, and analyzed for BTEX by EPA Method 8021B, TPH by Method 8015B Modified, and chloride by EPA Method 300.

Analytical results indicated three (3) of the samples exhibited TPH concentrations above Table I Closure Criteria: SW-47 through SW-49.

Due to confirmation sample results above Table I Closure Criteria, GHD and SS returned to the Site to further excavate the affected areas and resample on December 7, 2022.

- The area around BH-46D was deepened from seventeen (17) feet bgs to nineteen (19) feet bgs and resampled; BH-46E.
- The area around BH-63B was deepened from seven (7) feet bgs to nine (9) feet bgs and resampled; BH63C.
- The areas around BH-68A and BH-71A were deepened from eleven (11) feet bgs to thirteen (13) feet bgs and resampled; BH68B and BH-64B.
- The areas around BH-73A through BH-76A were deepened from fifteen (15) feet bgs to seventeen (17) feet bgs and resampled; BH-73B through BH-76B.
- The sidewalls of sample locations SW-21C, SW-28D, SW-29C, SW-37A, SW-40A, SW-42A, SW-47, and SW-49 were further excavated and resampled; SW-21D, SW-28E, SW-29D, SW-37B, SW-40B, SW-42B, SW-47A, and SW-49A.

Confirmation samples represented areas no greater than two hundred (200) square feet. Samples were placed in laboratory-provided containers, which were immediately labelled, sealed, and stored/transported in a cooler containing ice to a laboratory certified by the NELAP for analysis. All samples were submitted to Envirotech in Farmington, New Mexico, and analyzed for BTEX by EPA Method 8021B, TPH by Method 8015B Modified, and chloride by EPA Method 300.

Analytical results indicated nine (9) of the samples exhibited TPH concentrations above Table I Closure Criteria: BH-46E, BH-71B, BH-73B, BH-74B, BH-76B, SW-28E, SW-37B, SW-40B, SW-42B. One (1) sample exhibited chloride concentrations above Table I Closure Criteria: BH-68B.

Due to confirmation sample results above Table I Closure Criteria, GHD and SS returned to the Site to further excavate the affected areas and resample on December 9, 2022. A test pit (TP-24) was also installed in the area of BH-26 to delineate the vertical extent of the affected soil. Soil samples were collected at two (2) foot intervals from twenty-five (25) feet bgs to thirty-five feet bgs (27 feet, 29 feet, 31 feet, 33 feet, and 35 feet).

- The sidewalls of sample location SW-22C was further excavated and resampled; SW-22D.

Confirmation samples represented areas no greater than two hundred (200) square feet. Samples were placed in laboratory-provided containers, which were immediately labelled, sealed, and stored/transported in a cooler containing ice to a laboratory certified by the NELAP for analysis. All samples were submitted to Envirotech in Farmington, New Mexico, and analyzed for BTEX by EPA Method 8021B, TPH by Method 8015B Modified, and chloride by EPA Method 300. The test pit samples for thirty-one (31) feet bgs and deeper were put on hold contingent upon the higher interval sample results.

Analytical results indicated one (1) of the samples exhibited TPH concentrations above Table I Closure Criteria: SW-22D. The test pit samples collected at the twenty-seven (27) and twenty-nine (29) foot intervals did not exhibit benzene, BTEX, TPH or chloride concentrations above Table I Closure Criteria.

Analytical results are included on Table 1 and in the Laboratory Analytical reports included as Attachment B. Confirmation sample locations are depicted on Figure 2.

Waste management activities were performed in coordination with EOG directives. EOG obtained regulatory approval via the successful processing of Form C-138 Request for Approval to Accept Solid Waste. The waste was approved for acceptance at the OCD-permitted (WM-1-035), Lea Land, LLC facility located at MM64, Highway 62/180 East, Carlsbad, NM, 88220. Approximately 10,736 tons of impacted soils were removed from the remedial excavation and disposed of. The approved C-138 and waste manifests are available upon request but are not attached due to the size of the file. A summary of soil disposal is included in Table 2. A photographic log is included as Attachment D. Sampling notifications are included as Attachment E.

6. nAPP2115335335 Proposed Work Plan

Bottom hole samples BH-1A, BH-21B, BH-22A through BH-34A, BH-46E, BH-47D, BH-49A through BH-52A, BH-55A, BH-60A, BH-71B, BH-73B, BH-74B, BH-76B, and BH-77 through BH-81 exhibited TPH and/or chloride concentrations above Table I Closure Criteria at varying depths. Sidewall samples SW-2A through SW-4A, SW-9A, SW-10A, SW-12A, SW-14A through SW-18A, SW-22D, SW-28E, SW-37B, SW-40B, SW-42B, SW-43, and SW-44 also exhibited TPH and/or chloride concentrations above Table I Closure Criteria.

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

- The areas around BH-1A, BH-22A through BH-34A, BH-49A through BH-51A, BH-77 through BH-81 will be excavated to a depth of twenty-seven (27) feet bgs or until concentrations are below Table I Closure Criteria.

- The area around BH-21B will be excavated to a depth of approximately eleven (11) feet bgs or until concentrations are below Table I Closure Criteria.
- The areas around BH-47D, BH-73B, BH-74B, and BH-76B will be excavated to a depth of approximately nineteen (19) feet bgs or until concentrations are below Table I Closure Criteria.
- The area around BH-60A will be excavated to a depth of approximately six (6) feet bgs or until concentrations are below Table I Closure Criteria.
- The areas around BH-68B and BH-71B will be excavated to a depth of approximately fifteen (15) feet bgs or until concentrations are below Table I Closure Criteria.
- The area around BH-46E will be excavated to a depth of approximately twenty-one (21) feet bgs or until concentrations are below Table I Closure Criteria.
- The areas around BH-52A and BH-55A will be excavated to a depth of approximately twenty-nine (29) feet bgs or until concentrations are below Table I Closure Criteria.
- Sidewall locations SW-2A through SW-4A, SW-9A, SW-10A, SW-12A, SW-14A through SW-18A, SW-22D, SW-28E, SW-37B, SW-40B, SW-42B, SW-43, SW-44, and SW-48 will be excavated further until concentrations are below Table I Closure Criteria.
- The area that is currently being utilized as a ramp into the excavation will be excavated to varying depths until concentrations are below Table I Closure Criteria.

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

Excavated soils will be transported to a NMOCD approved disposal facility for disposal. The excavation will be backfilled with non-impacted soil transported to the site. The remediation will be performed within 90 days after the amended work plan has been approved.

If all analytical results are below Table I Closure Criteria a closure report will be submitted to the NMOCD requesting site closure.

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

Sincerely,

GHD

J.T. Murrey
Senior Project Manager

Nate Reece
Environmental Scientist

JT/NR/2

Encl. Figure 1 – Site Location Map
Figure 2 – Site Assessment: Soil Analytical Results Map
Figure 3 – Confirmation Sample Locations Map
Table 1 – Summary of Soil Analytical Data
Table 2 – Soil Disposal Summary
Attachment A – Site Characterization Documentation
Attachment B – Laboratory Analytical Reports and Chain-of-Custody Documentation
Attachment C – Soil Boring Logs
Attachment D – Photographic Log
Attachment E – Confirmation Sampling Notifications

cc: Chase Settle

Tables

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

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH				Chloride
								GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			Table I Closure Criteria for Soils <50 feet Depth to Groundwater 19.15.29 NMAC									
			10	---	---	---	50	---			100	600
Initial Assessment Samples												
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

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

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

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

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH				Chloride
								GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			Table I Closure Criteria for Soils <50 feet Depth to Groundwater 19.15.29 NMAC									
			10	---	---	---	50	---			100	600
TP15-8	2/21/22	8	<0.12	<0.24	<0.24	<0.48	<0.48	<24	**630**	**2,400**	**3,030**	<60
TP15-12	2/21/22	12	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	**66**	**240**	**306**	**97**
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
TP24-27	12/9/22	27	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	**369**
TP24-29	12/9/22	29	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	**35.4**	**64.6**	**100**	**208**
Soil Borings												
SB-1 (5')	4/27/22	5	**1.4**	<0.50	**16**	**9.5**	**26.9**	**660**	**2,300**	**1,300**	**4,260**	<60
SB-1 (10')	4/27/22	10	<0.12	<0.23	**3.1**	**3.5**	**6.6**	**120**	**1,000**	**690**	**1,810**	<61
SB-1 (15')	4/27/22	15	**16**	**61**	**66**	**79**	**222**	**2,200**	**6,500**	**2,400**	**11,100**	**67**
SB-1 (20')	4/27/22	20	<0.12	**0.52**	**2.7**	**3.5**	**6.72**	**110**	**2,600**	**1,100**	**3,810**	**140**
SB-1 (25')	4/27/22	25	<0.12	<0.25	<0.25	<0.49	<0.49	<35	<9.8	<49	<49	**230**

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

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH				Chloride
								GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			Table I Closure Criteria for Soils <50 feet Depth to Groundwater 19.15.29 NMAC									
			10	---	---	---	50	---			100	600
SB-1 (30')	4/27/22	30	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.9	<50	<50	**150**
SB-1 (35')	4/27/22	35	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.4	<47	<47	<60
SB-2 (5')	4/27/22	5	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<9.5	<48	<48	**130**
SB-2 (10')	4/27/22	10	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.4	<47	<47	**280**
SB-2 (15')	4/27/22	15	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<10	<50	<50	**170**
SB-2 (20')	4/27/22	20	<0.12	<0.23	<0.23	<0.47	<0.47	<23	**210**	**200**	**410**	**3,000**
SB-2 (25')	4/27/22	25	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	**15**	<49	**15**	**1,700**
SB-2 (30')	4/27/22	30	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<10	<50	<50	<61
Bottom Hole Confirmation Samples												
~~BH-1 (Grab)~~	~~10/3/2022~~	~~20-22~~	~~<0.050~~	~~<0.050~~	~~**0.235**~~	~~<0.150~~	~~**0.372**~~	~~**16.9**~~	~~**230**~~	~~**35**~~	~~**281**~~	~~**384**~~
BH-1A	11/17/2022	25	<0.250	<0.250	**1.50**	**3.06**	**4.56**	<200	**1,950**	**683.0**	**2,633**	**311**
~~BH-2~~	~~10/11/2022~~	~~2~~	~~<0.12~~	~~<0.24~~	~~<0.24~~	~~<0.49~~	~~<0.49~~	~~<24~~	~~**130**~~	~~**140**~~	~~**270**~~	~~<60~~
BH-2A	11/4/2022	4	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	**116**
~~BH-3~~	~~10/11/2022~~	~~2~~	~~<0.024~~	~~<0.048~~	~~<0.048~~	~~<0.097~~	~~<0.097~~	~~<4.8~~	~~**360**~~	~~**470**~~	~~**830**~~	~~<60~~
BH-3A	11/4/2022	4	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	**76.4**
~~BH-4~~	~~10/11/2022~~	~~2~~	~~<0.024~~	~~<0.049~~	~~<0.049~~	~~<0.097~~	~~<0.097~~	~~<4.9~~	~~**150**~~	~~**150**~~	~~**300**~~	~~<60~~
BH-4A	11/4/2022	4	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	**37.2**
~~BH-5~~	~~10/11/2022~~	~~2~~	~~<0.024~~	~~<0.049~~	~~<0.049~~	~~<0.098~~	~~<0.098~~	~~<4.9~~	~~**170**~~	~~**230**~~	~~**400**~~	~~<60~~
~~BH-5A~~	~~11/4/2022~~	~~4~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<20.0~~	~~**367**~~	~~**485**~~	~~**852**~~	~~**141**~~
BH-5B	11/17/2022	6	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	**166**
BH-6	10/11/2022	2	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<15	<49	<49	<60
~~BH-7~~	~~10/11/2022~~	~~2~~	~~<0.024~~	~~<0.048~~	~~<0.048~~	~~<0.096~~	~~<0.096~~	~~<4.8~~	~~**320**~~	~~**210**~~	~~**530**~~	~~<60~~
BH-7A	11/4/2022	4	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	**20.5**
~~BH-8~~	~~10/11/2022~~	~~2~~	~~<0.025~~	~~<0.049~~	~~<0.049~~	~~<0.098~~	~~<0.098~~	~~<4.9~~	~~**170**~~	~~**190**~~	~~**360**~~	~~<60~~
BH-8A	11/4/2022	4	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	**77.3**
BH-9	10/11/2022	2	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<14	<48	<48	<60
~~BH-10~~	~~10/11/2022~~	~~2~~	~~<0.024~~	~~<0.049~~	~~<0.049~~	~~<0.097~~	~~<0.097~~	~~<4.9~~	~~**120**~~	~~**89**~~	~~**209**~~	~~<60~~
BH-10A	11/4/2022	4	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
~~BH-11~~	~~10/11/2022~~	~~6~~	~~<0.12~~	~~<0.24~~	~~<0.24~~	~~<0.48~~	~~<0.48~~	~~<24~~	~~**1,600**~~	~~**1,000**~~	~~**2,600**~~	~~**320**~~
~~BH-11A~~	~~11/4/2022~~	~~8~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<20.0~~	~~**2,360**~~	~~**2,240**~~	~~**4,600**~~	~~**122**~~
~~BH-11B~~	~~11/17/2022~~	~~9~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<20.0~~	~~**338**~~	~~**282**~~	~~**620**~~	~~**169**~~

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

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH				Chloride
								GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			Table I Closure Criteria for Soils <50 feet Depth to Groundwater 19.15.29 NMAC									
			10	---	---	---	50	---			100	600
BH-11C	11/22/2022	11	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	984	679	1,583	295
BH-11D	11/30/2022	13	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	388
BH-12	10/11/2022	6	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	310	300	610	69
BH-12A	11/4/2022	8	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	223	385	608	185
BH-12B	11/17/2022	9	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	222	141	363	135
BH-12C	11/22/2022	11	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	62.3
BH-13	10/11/2022	6	<0.12	<0.25	<0.25	<0.50	<0.50	<25	1,100	640	1,740	180
BH-13A	11/4/2022	8	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	6,590	8,090	14,680	136
BH-13B	11/17/2022	9	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	23.4
BH-14	10/11/2022	6	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	51	51	102	130
BH-14A	11/4/2022	8	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	161	284	445	120
BH-14B	11/17/2022	9	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	85.9
BH-15	10/11/2022	6	<0.12	<0.24	0.72	0.66	1.38	61	2,500	1,000	3,561	200
BH-15A	11/4/2022	8	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	649	604	1,253	58.4
BH-15B	11/17/2022	9	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	24.4
BH-16	10/11/2022	6	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<15	<49	<49	<60
BH-17	10/11/2022	6	<0.12	<0.23	<0.23	<0.47	<0.47	35	2,400	1,200	3,635	120
BH-17A	11/4/2022	8	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	69.1	75.2	144.3	64.7
BH-17B	11/17/2022	9	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	55.3
BH-18	10/11/2022	6	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<14	<46	<46	83
BH-19	10/11/2022	6	<0.12	<0.25	<0.25	<0.49	<0.49	<25	1,300	910	2,210	110
BH-19A	11/4/2022	8	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	84.4	81.2	165.6	133
BH-19B	11/17/2022	9	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	118.0	118.0	236	182
BH-19C	11/22/2022	11	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	61.5	<50.0	61.5	508
BH-20	10/11/2022	6	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<15	<49	<49	160
BH-21	10/11/2022	6	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	540	540	1,080	<60
BH-21A	11/4/2022	8	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	86.3	89.0	175.3	316
BH-21B	11/17/2022	9	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	309	<50.0	309	228
BH-22	10/11/2022	20-22	<0.12	<0.24	0.38	<0.49	<0.49	<24	1,800	800	2,600	430
BH-22A	11/14/2022	25	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	4,170	2,630	6,800	190
BH-23	10/11/2022	20-22	0.18	0.85	6.1	3.3	10.43	160	6,800	2,500	9,460	220

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

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH				Chloride
								GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			Table I Closure Criteria for Soils <50 feet Depth to Groundwater 19.15.29 NMAC									
			10	---	---	---	50	---			100	600
BH-23A	11/14/2022	25	<0.0250	<0.0250	**0.955**	**0.294**	**1.249**	**53.7**	**3,250**	<2,500	**3,304**	**238**
~~BH-24~~	~~10/11/2022~~	~~20-22~~	~~**0.042**~~	~~**0.12**~~	~~**2.4**~~	~~**1.7**~~	~~**4.262**~~	~~**58**~~	~~**3,700**~~	~~**1,400**~~	~~**5,158**~~	~~**200**~~
BH-24A	11/14/2022	25	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	**662**	**412**	**1,074**	**404**
~~BH-25~~	~~10/11/2022~~	~~20-22~~	~~**0.029**~~	~~**0.17**~~	~~**2.0**~~	~~**3.1**~~	~~**5.299**~~	~~**74**~~	~~**7,500**~~	~~**2,300**~~	~~**9,874**~~	~~**210**~~
BH-25A	11/14/2022	25	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	**2,040**	**1,340**	**3,380**	**286**
~~BH-26~~	~~10/11/2022~~	~~20-22~~	~~**0.32**~~	~~**0.56**~~	~~**4.9**~~	~~**3.4**~~	~~**9.18**~~	~~**130**~~	~~**4,200**~~	~~**1,700**~~	~~**6,030**~~	~~**310**~~
BH-26A	11/14/2022	25	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	**356**	**322**	**678**	**423**
~~BH-27~~	~~10/11/2022~~	~~20-22~~	~~<0.12~~	~~<0.24~~	~~**1.4**~~	~~<0.47~~	~~**1.4**~~	~~**53**~~	~~**5,800**~~	~~**2,500**~~	~~**8,353**~~	~~**120**~~
BH-27A	11/14/2022	25	<0.0250	<0.0250	**0.0625**	**0.119**	**0.1815**	<20.0	**2,700**	**1,620**	**4,320**	**281**
~~BH-28~~	~~10/11/2022~~	~~20-22~~	~~**0.33**~~	~~**4.7**~~	~~**12**~~	~~**15**~~	~~**32.03**~~	~~**240**~~	~~**11,000**~~	~~**3,500**~~	~~**14,740**~~	~~**94**~~
BH-28A	11/14/2022	25	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	**411**	<500	**411**	**302**
~~BH-29~~	~~10/11/2022~~	~~20-22~~	~~**0.14**~~	~~**0.3**~~	~~**8.2**~~	~~**8.6**~~	~~**17.24**~~	~~**250**~~	~~**6,100**~~	~~**2,200**~~	~~**8,550**~~	~~**120**~~
BH-29A	11/14/2022	25	<0.0250	<0.0250	**0.133**	**0.0530**	**0.1860**	<20.0	**3,020**	<2,500	**3,020**	**240**
~~BH-30~~	~~10/11/2022~~	~~20-22~~	~~**0.13**~~	~~<0.047~~	~~**3.4**~~	~~**0.43**~~	~~**3.96**~~	~~**120**~~	~~**6,600**~~	~~**2,800**~~	~~**9,520**~~	~~**120**~~
BH-30A	11/14/2022	25	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	**506**	<500	**506**	**294**
~~BH-31~~	~~10/11/2022~~	~~20-22~~	~~<0.025~~	~~<0.050~~	~~**0.051**~~	~~**0.16**~~	~~**0.211**~~	~~**20**~~	~~**1,300**~~	~~**550**~~	~~**1,870**~~	~~**260**~~
BH-31A	11/14/2022	25	<0.0250	<0.0250	**0.0625**	<0.0250	**0.0625**	<20.0	**2,330**	**1,170**	**3,500**	**288**
~~BH-32~~	~~10/11/2022~~	~~20-22~~	~~**0.27**~~	~~<0.48~~	~~**24**~~	~~**7.2**~~	~~**31.47**~~	~~**400**~~	~~**9,300**~~	~~**4,000**~~	~~**13,700**~~	~~**120**~~
BH-32A	11/14/2022	25	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	**1,140**	**549**	**1,689**	**243**
~~BH-33~~	~~10/11/2022~~	~~20-22~~	~~**0.31**~~	~~<0.49~~	~~**17**~~	~~**2.4**~~	~~**19.71**~~	~~**340**~~	~~**7,800**~~	~~**3,400**~~	~~**11,540**~~	~~**140**~~
BH-33A	11/14/2022	25	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	**1,110**	**520**	**1,630**	**282**
~~BH-34~~	~~10/11/2022~~	~~20-22~~	~~<0.11~~	~~<0.23~~	~~<0.23~~	~~<0.46~~	~~<0.46~~	~~<23~~	~~**1,700**~~	~~**710**~~	~~**2,410**~~	~~**210**~~
BH-34A	11/14/2022	25	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	**674**	**361**	**1,035**	**278**
~~BH-35~~	~~10/12/2022~~	~~5~~	~~<0.024~~	~~<0.049~~	~~<0.049~~	~~<0.097~~	~~<0.097~~	~~<4.9~~	~~**88**~~	~~**140**~~	~~**228**~~	~~**70**~~
BH-35A	11/4/2022	7	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	**56.7**	**56.7**	**29**
BH-36	10/12/2022	5	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<15	<49	<49	<60
BH-37	10/12/2022	5	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<14	<46	<46	**66**
BH-38	10/12/2022	5	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<14	<47	<47	**62**
~~BH-39~~	~~10/12/2022~~	~~5~~	~~<0.025~~	~~<0.049~~	~~<0.049~~	~~<0.099~~	~~<0.099~~	~~<4.9~~	~~**33**~~	~~**180**~~	~~**213**~~	~~<60~~
~~BH-39A~~	~~11/4/2022~~	~~7~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<20.0~~	~~**204**~~	~~**212**~~	~~**416**~~	~~**58.3**~~
~~BH-39B~~	~~11/17/2022~~	~~8~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<20.0~~	~~**72.7**~~	~~**50.0**~~	~~**123**~~	~~**46.6**~~

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Robinson B Federal #1
EOG Resources
Eddy County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH				Chloride
								GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			Table I Closure Criteria for Soils <50 feet Depth to Groundwater 19.15.29 NMAC									
			10	---	---	---	50	---			100	600
BH-39C	11/22/2022	10	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	**52.7**	<50.0	**52.7**	**89.8**
BH-40	10/12/2022	5	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<14	<46	<46	<60
~~BH-41~~	~~10/12/2022~~	~~13~~	~~<0.025~~	~~<0.049~~	~~<0.049~~	~~<0.098~~	~~<0.098~~	~~<4.9~~	~~54~~	~~180~~	~~234~~	~~250~~
~~BH-41A~~	~~11/4/2022~~	~~14~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<20.0~~	~~156~~	~~319~~	~~474~~	~~75.5~~
BH-41B	11/17/2022	15	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	**177**
BH-42	10/12/2022	13	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<15	<49	<49	**100**
BH-43	10/12/2022	13	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<14	<47	<47	**130**
BH-44	10/12/2022	13	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<13	<44	<44	**81**
BH-45	10/12/2022	13	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<14	<46	<46	**150**
~~BH-46~~	~~10/13/2022~~	~~9~~	~~<0.024~~	~~<0.049~~	~~<0.049~~	~~<0.097~~	~~<0.097~~	~~<4.9~~	~~420~~	~~790~~	~~1,210~~	~~<60~~
~~BH-46A~~	~~11/4/2022~~	~~11~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<20.0~~	~~854~~	~~1,440~~	~~2,294~~	~~51.5~~
~~BH-46B~~	~~11/17/2022~~	~~13~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<20.0~~	~~753~~	~~1,050~~	~~1,803~~	~~23.8~~
~~BH-46C~~	~~11/22/2022~~	~~15~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<20.0~~	~~94.7~~	~~147~~	~~242~~	~~21.3~~
~~BH-46D~~	~~11/30/2022~~	~~17~~	~~<0.0250~~	~~<0.0250~~	~~0.0275~~	~~<0.0250~~	~~0.0275~~	~~<20.0~~	~~156~~	~~272~~	~~428~~	~~30.3~~
BH-46E	12/7/2022	19	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	**51.2**	**186**	**237.2**	**22.8**
~~BH-47~~	~~10/13/2022~~	~~9~~	~~<0.023~~	~~<0.046~~	~~<0.046~~	~~<0.092~~	~~<0.092~~	~~<4.6~~	~~1,500~~	~~1,100~~	~~2,600~~	~~<61~~
~~BH-47A~~	~~11/4/2022~~	~~11~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<20.0~~	~~690~~	~~1,090~~	~~1,780~~	32.3
~~BH-47B~~	~~11/17/2022~~	~~13~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<20.0~~	~~228~~	~~305~~	~~533~~	~~38.7~~
~~BH-47C~~	~~11/22/2022~~	~~15~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<20.0~~	~~153~~	~~192~~	~~345~~	~~43.9~~
BH-47D	11/30/2022	17	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	**41.7**	**72.1**	**113.8**	**180**
~~BH-48~~	~~10/13/2022~~	~~9~~	~~<0.024~~	~~<0.048~~	~~<0.048~~	~~<0.097~~	~~<0.097~~	~~<4.8~~	~~110~~	~~93~~	~~203~~	~~<60~~
~~BH-48A~~	~~11/4/2022~~	~~11~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<20.0~~	~~520~~	~~744~~	~~1,264~~	~~31.8~~
BH-48B	11/17/2022	13	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	**59.3**	<50.0	**59.3**	**39.3**
~~BH-49~~	~~10/24/2022~~	~~20~~	~~<0.024~~	~~<0.048~~	~~<0.048~~	~~<0.096~~	~~<0.096~~	~~14~~	~~760~~	~~390~~	~~1,164~~	~~250~~
BH-49A	11/14/2022	25	<0.0250	<0.0250	**0.990**	**1.52**	**2.510**	**43.8**	**2,370**	**1,130**	**3,500**	**358**
~~BH-50~~	~~10/24/2022~~	~~20~~	~~<0.12~~	~~<0.24~~	~~<0.24~~	~~<0.47~~	~~<0.47~~	~~47~~	~~3,900~~	~~1,900~~	~~5,847~~	~~270~~
BH-50A	11/14/2022	25	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	**702**	**380**	**1,082**	**354**
~~BH-51~~	~~10/24/2022~~	~~20~~	~~<0.023~~	~~<0.047~~	~~0.12~~	~~<0.094~~	~~0.12~~	~~23~~	~~2,500~~	~~1,100~~	~~3,623~~	~~190~~
BH-51A	11/14/2022	25	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	**1,400**	**704**	**2,104**	**302**
~~BH-52~~	~~10/24/2022~~	~~26~~	~~<0.024~~	~~<0.048~~	~~<0.048~~	~~<0.096~~	~~<0.096~~	~~<4.8~~	~~210~~	~~120~~	~~330~~	~~350~~
BH-52A	11/14/2022	27	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	**1,470**	**693**	**2,163**	**459**

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

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH				Chloride
								GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			Table I Closure Criteria for Soils <50 feet Depth to Groundwater 19.15.29 NMAC									
			10	---	---	---	50	---			100	600
BH-53	10/24/2022	26	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	**75**	<48	**75**	**560**
BH-54	10/24/2022	26	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	**46**	<45	**46**	**170**
~~BH-55~~	~~10/24/2022~~	~~26~~	~~<0.024~~	~~<0.048~~	~~<0.048~~	~~<0.096~~	~~<0.096~~	~~**6.0**~~	~~**1,400**~~	~~**620**~~	~~**2,026**~~	~~**320**~~
BH-55A	11/14/2022	27	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	**210**	**124**	**334**	**731**
BH-56	10/24/2022	26	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<14	<46	<46	**130**
BH-57	10/24/2022	26	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<14	<48	<48	**150**
BH-58	10/24/2022	26	<0.023	<0.046	<0.046	<0.092	<0.092	<4.6	**34**	**57**	**91**	<60
~~BH-59~~	~~10/24/2022~~	~~2~~	~~<0.024~~	~~<0.048~~	~~<0.048~~	~~<0.097~~	~~<0.097~~	~~<4.8~~	~~**86**~~	~~**170**~~	~~**256**~~	~~**<61**~~
BH-59A	11/14/2022	4	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
~~BH-60~~	~~10/24/2022~~	~~2~~	~~<0.024~~	~~<0.048~~	~~<0.048~~	~~<0.096~~	~~<0.096~~	~~<4.8~~	~~**1,200**~~	~~**1,800**~~	~~**3,000**~~	~~**65**~~
BH-60A	11/14/2022	4	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	**585**	**587**	**1,172**	**44.5**
~~BH-61~~	~~10/24/2022~~	~~2~~	~~<0.025~~	~~<0.049~~	~~<0.049~~	~~<0.099~~	~~<0.099~~	~~<4.9~~	~~**190**~~	~~**300**~~	~~**490**~~	~~**100**~~
BH-61A	11/14/2022	4	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	**55.8**	<100	<100	**45.4**
BH-62	10/24/2022	3	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	**33**	<48	<48	**81**
~~BH-63~~	~~10/24/2022~~	~~3~~	~~<0.024~~	~~<0.048~~	~~<0.048~~	~~<0.096~~	~~<0.096~~	~~<4.8~~	~~**1,400**~~	~~**1,700**~~	~~**3,100**~~	~~**180**~~
~~BH-63A~~	~~11/14/2022~~	~~5~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<20.0~~	~~**648**~~	~~<1,000~~	~~**648**~~	~~**87.8**~~
~~BH-63B~~	~~11/30/2022~~	~~7~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<20.0~~	~~**82.8**~~	~~**94.0**~~	~~**176.8**~~	~~**51.8**~~
BH-63C	12/7/2022	9	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	**40.2**	<50.0	<50.0	**171**
~~BH-64~~	~~10/24/2022~~	~~3~~	~~<0.025~~	~~<0.050~~	~~<0.050~~	~~<0.099~~	~~<0.099~~	~~<5.0~~	~~**50**~~	~~**81**~~	~~**131**~~	~~**64**~~
~~BH-64A~~	~~11/14/2022~~	~~5~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<20.0~~	~~**195**~~	~~**160**~~	~~**355**~~	~~**66.1**~~
BH-64B	11/30/2022	7	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	**25.1**	<50.0	<50.0	<20.0
~~BH-65~~	~~10/24/2022~~	~~3~~	~~<0.023~~	~~<0.047~~	~~<0.047~~	~~<0.093~~	~~<0.093~~	~~<4.7~~	~~**110**~~	~~**220**~~	~~**330**~~	~~**79**~~
BH-65A	11/14/2022	5	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	**41.5**
~~BH-66~~	~~10/24/2022~~	~~13~~	~~<0.024~~	~~<0.048~~	~~<0.048~~	~~<0.097~~	~~<0.097~~	~~<4.8~~	~~**56**~~	~~**150**~~	~~**206**~~	~~<60~~
~~BH-66A~~	~~11/14/2022~~	~~14~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<20.0~~	~~**133**~~	~~<250~~	~~**133**~~	~~**23.1**~~
BH-66B	11/30/2022	16	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<50.0	<100	<100	**88.5**
~~BH-67~~	~~10/24/2022~~	~~13~~	~~<0.024~~	~~<0.048~~	~~<0.048~~	~~<0.096~~	~~<0.096~~	~~<4.8~~	~~**360**~~	~~**620**~~	~~**980**~~	~~<60~~
BH-67A	11/14/2022	14	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<50.0	<100	<100	<40.0
~~BH-68~~	~~11/9/2022~~	~~9~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<20.0~~	~~**2,300**~~	~~**1,080**~~	~~**3,380**~~	~~**145**~~
~~BH-68A~~	~~11/30/2022~~	~~11~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<20.0~~	~~**263**~~	~~<500~~	~~**263**~~	~~**25.9**~~
BH-68B	12/7/2022	13	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	**36.8**	<50.0	<50.0	**1,660**

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

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH				Chloride
								GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			Table I Closure Criteria for Soils <50 feet Depth to Groundwater 19.15.29 NMAC									
			10	---	---	---	50	---			100	600
BH-69	11/9/2022	9	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	851	<1,000	851	67.5
BH-69A	11/30/2022	11	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	91.3
BH-70	11/9/2022	9	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	31	<50.0	<50.0	<20.0
BH-71	11/9/2022	9	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	108	142	250	53.4
BH-71A	11/30/2022	11	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	86.2	120	206.2	20.1
BH-71B	12/7/2022	13	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	333	<500	333	35.1
BH-72	11/9/2022	9	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
BH-73	11/9/2022	13	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	1,180	863	2,043	<20.0
BH-73A	11/30/2022	15	0.493	2.58	12.9	14.1	30.073	316	7,970	3,460	11,746	64.2
BH-73B	12/7/2022	17	0.0257	0.185	1.16	1.33	2.7007	36.1	1,090	<1,000	1,126	126
BH-74	11/9/2022	13	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	1,420	832	2,252	35.5
BH-74A	11/30/2022	15	0.373	5.31	9.47	12.1	26.953	236	11,100	4,590	15,926	24.1
BH-74B	12/7/2022	17	0.0985	0.753	3.59	4.28	8.722	87.3	1,760	<1,000	1,847	44.8
BH-75	11/9/2022	13	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	136	163	299	<20.0
BH-75A	11/30/2022	15	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	49.2	73.4	122.6	35.9
BH-75B	12/7/2022	17	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	156
BH-76	11/9/2022	13	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	2,830	1,450	4,280	105
BH-76A	11/30/2022	15	0.335	3.82	9.13	16.1	29.385	297	6,570	2,660	9,230	21.6
BH-76B	12/7/2022	17	0.718	4.09	11.9	15.7	32.408	221	6,380	<2,500	6,601	80.7
BH-77	11/14/2022	25	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	449	259	708	284
BH-78	11/14/2022	25	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	474	261	735	465
BH-79	11/14/2022	25	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	157	75.4	232.4	398
BH-80	11/14/2022	25	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	345	237	582	369
BH-81	11/14/2022	25	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	1,150	667	1,817	388
Sidewall Confirmation Samples												
SW-1	10/3/2022	0-22	4.61	2.18	79.9	30.1	117	3,170	11,700	2,280	17,150	208
SW-1A	11/9/2022	0-22	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	346
SW-2	10/3/2022	0-22	0.608	1.40	34.5	24.9	61.1	660	3,470	592	4,722	48.0
SW-2A	11/9/2022	0-22	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	1,230
SW-3	10/3/2022	0-22	24.4	9.58	324	303	661	16,300	59,000	11,800	87,100	528
SW-3A	11/9/2022	0-22	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	1,070

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Eddy County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH				Chloride
								GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			Table I Closure Criteria for Soils <50 feet Depth to Groundwater 19.15.29 NMAC									
			10	---	---	---	50	---			100	600
~~SW-4~~	~~10/3/2022~~	~~0-22~~	~~0.198~~	~~1.92~~	~~6.82~~	~~10.7~~	~~19.7~~	~~315~~	~~2,280~~	~~396~~	~~2,991~~	~~64.0~~
SW-4A	11/9/2022	0-22	0.0970	9.17	2.34	11.3	22.907	186	3,240	1,060	4,486	719
SW-9A	11/9/2022	0-22	0.234	15.4	5.15	19.1	39.884	198	9,430	<5,000	9,628	260
~~SW-10~~	~~10/12/2022~~	~~0-20~~	~~4.3~~	~~<0.25~~	~~77~~	~~24~~	~~105.3~~	~~1,100~~	~~2,800~~	~~2,200~~	~~6,100~~	~~190~~
SW-10A	11/9/2022	0-22	0.172	5.59	1.52	5.50	12.78	72.9	2,390	<1,000	2,463	435
SW-11	10/12/2022	0-20	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	32	<49	<49	170
~~SW-12~~	~~10/12/2022~~	~~0-20~~	~~<0.024~~	~~<0.049~~	~~0.075~~	~~<0.097~~	~~<0.097~~	~~<4.9~~	~~180~~	~~74~~	~~254~~	~~270~~
SW-12A	11/9/2022	0-22	0.251	6.44	0.211	3.28	10.182	76.7	2,330	<1,000	2,407	406
SW-13	10/12/2022	0-20	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<13	<44	<44	250
~~SW-14~~	~~10/12/2022~~	~~0-20~~	~~<0.025~~	~~<0.050~~	~~<0.050~~	~~<0.10~~	~~<0.10~~	~~<5.0~~	~~<14~~	~~<47~~	~~<47~~	~~610~~
SW-14A	11/9/2022	0-22	<0.0250	<0.0250	0.167	<0.0250	0.167	<20.0	244	98.7	343	528
~~SW-15~~	~~10/12/2022~~	~~0-20~~	~~0.31~~	~~<0.25~~	~~11~~	~~9.1~~	~~20.41~~	~~250~~	~~860~~	~~430~~	~~1,540~~	~~1,200~~
SW-15A	11/9/2022	0-22	<0.0250	0.0775	<0.0250	<0.0250	<0.0250	<20.0	40.2	<50.0	<50.0	754
~~SW-16~~	~~10/12/2022~~	~~0-20~~	~~<0.025~~	~~<0.050~~	~~<0.050~~	~~<0.10~~	~~<0.10~~	~~<5.0~~	~~270~~	~~420~~	~~690~~	~~730~~
SW-16A	11/9/2022	0-22	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	1,710
~~SW-17~~	~~10/12/2022~~	~~0-20~~	~~<0.024~~	~~<0.049~~	~~<0.049~~	~~<0.097~~	~~<0.097~~	~~18~~	~~620~~	~~600~~	~~1,238~~	~~1,000~~
SW-17A	11/9/2022	0-22	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	1,420
~~SW-18~~	~~10/12/2022~~	~~0-20~~	~~1.4~~	~~8.1~~	~~23~~	~~28~~	~~60.5~~	~~640~~	~~3,800~~	~~1,300~~	~~5,740~~	~~97~~
SW-18A	11/9/2022	0-22	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	1,300
SW-19	10/12/2022	0-5	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<14	<47	<47	150
SW-20	10/12/2022	0-5	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<15	<50	<50	120
~~SW-21~~	~~10/12/2022~~	~~0-5~~	~~<0.025~~	~~<0.049~~	~~<0.049~~	~~<0.099~~	~~<0.099~~	~~<4.9~~	~~<15~~	~~<49~~	~~<49~~	~~<60~~
~~SW-21C~~	~~11/30/2022~~	~~0-5~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<20.0~~	~~70.0~~	~~89.8~~	~~160~~	~~<20.0~~
SW-21D	12/7/2022	0-5	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	44.7
~~SW-22~~	~~10/12/2022~~	~~0-13~~	~~<0.024~~	~~<0.048~~	~~<0.048~~	~~<0.097~~	~~<0.097~~	~~<4.8~~	~~340~~	~~460~~	~~800~~	~~<59~~
~~SW-22A~~	~~11/4/2022~~	~~0-14~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<20.0~~	~~276~~	~~457~~	~~733~~	~~24.7~~
~~SW-22B~~	~~11/17/2022~~	~~0-15~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<20.0~~	~~127~~	~~<250~~	~~127~~	~~<20.0~~
~~SW-22C~~	~~11/30/2022~~	~~0-15~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<20.0~~	~~134~~	~~<250~~	~~134~~	~~<20.0~~
SW-22D	12/9/2022	0-15	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	70.6	278	349	<20.0
SW-23	10/12/2022	0-13	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<15	<48	<48	<60
SW-24	10/12/2022	0-13	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<14	<46	<46	<60

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

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH				Chloride
								GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			Table I Closure Criteria for Soils <50 feet Depth to Groundwater 19.15.29 NMAC									
			10	---	---	---	50	---			100	600
SW-25	10/12/2022	0-13	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<15	<49	<49	<60
SW-26	10/12/2022	0-2	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<14	<47	<47	<59
SW-27	10/13/2022	0-9	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	**19**	<50	<50	<60
~~SW-28~~	~~10/13/2022~~	~~0-9~~	~~<0.025~~	~~<0.050~~	~~<0.050~~	~~<0.10~~	~~<0.10~~	~~<5.0~~	~~**740**~~	~~**650**~~	~~**1,390**~~	~~<60~~
~~SW-28A~~	~~11/4/2022~~	~~0-11~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<20.0~~	~~**171**~~	~~**290**~~	~~**461**~~	~~<20.0~~
~~SW-28B~~	~~11/17/2022~~	~~0-13~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<20.0~~	~~**89.5**~~	~~**279**~~	~~**368.5**~~	~~<20.0~~
~~SW-28C~~	~~11/22/2022~~	~~0-15~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<20.0~~	~~**462**~~	~~**636**~~	~~**1,098**~~	~~<20.0~~
~~SW-28D~~	~~11/30/2022~~	~~0-15~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<20.0~~	~~**56.4**~~	~~**108**~~	~~**164.4**~~	~~<20.0~~
SW-28E	12/7/2022	0-17	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	**54.3**	**98.3**	**153**	<20.0
~~SW-29~~	~~10/13/2022~~	~~0-9~~	~~<0.12~~	~~<0.24~~	~~<0.24~~	~~<0.48~~	~~<0.48~~	~~<24~~	~~**780**~~	~~**590**~~	~~**1,370**~~	~~<60~~
~~SW-29A~~	~~11/4/2022~~	~~0-11~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<20.0~~	~~**90.3**~~	~~**149**~~	~~**239**~~	~~**59.3**~~
~~SW-29B~~	~~11/17/2022~~	~~0-13~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<20.0~~	~~**170**~~	~~<50.0~~	~~**170**~~	~~<20.0~~
~~SW-29C~~	~~11/30/2022~~	~~0-13~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<20.0~~	~~**158**~~	~~<250~~	~~**158**~~	~~**21.1**~~
SW-29D	12/7/2022	0-13	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
SW-30	10/24/2022	0-13	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	**17**	<48	<48	<61
~~SW-31~~	~~10/24/2022~~	~~0-13~~	~~<0.024~~	~~<0.048~~	~~<0.048~~	~~<0.097~~	~~<0.097~~	~~<4.8~~	~~**64**~~	~~**120**~~	~~**184**~~	~~<60~~
SW-31A	11/14/2022	0-14	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
~~SW-32~~	~~10/24/2022~~	~~0-13~~	~~<0.025~~	~~<0.050~~	~~<0.050~~	~~<0.099~~	~~<0.099~~	~~<5.0~~	~~**150**~~	~~**430**~~	~~**580**~~	~~<60~~
~~SW-32A~~	~~11/14/2022~~	~~0-14~~	~~<0.0500~~	~~<0.0500~~	~~<0.0500~~	~~<0.0500~~	~~<0.0500~~	~~<40.0~~	~~**124**~~	~~**139**~~	~~**263**~~	~~<20.0~~
SW-32B	11/30/2022	0-14	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<50.0	<100	<100	**120**
~~SW-33~~	~~10/24/2022~~	~~0-3~~	~~<0.024~~	~~<0.048~~	~~<0.048~~	~~<0.097~~	~~<0.097~~	~~<4.8~~	~~**31**~~	~~**110**~~	~~**141**~~	~~**130**~~
SW-33A	11/14/2022	0-5	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	**34.0**	<50.0	<50.0	<20.0
~~SW-34~~	~~10/24/2022~~	~~0-3~~	~~<0.024~~	~~<0.047~~	~~<0.047~~	~~<0.095~~	~~<0.095~~	~~<4.7~~	~~**110**~~	~~**110**~~	~~**220**~~	~~**96**~~
SW-34A	11/14/2022	0-5	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	**49.5**
SW-35	11/9/2022	0-9	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	**49.8**	<50.0	<50.0	**97.3**
~~SW-36~~	~~11/9/2022~~	~~0-9~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<20.0~~	~~**81.7**~~	~~**131**~~	~~**212.7**~~	~~<20.0~~
SW-36A	11/30/2022	0-11	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	**53.2**	<50.0	**53.2**	<20.0
~~SW-37~~	~~11/9/2022~~	~~0-9~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<20.0~~	~~**448**~~	~~**536**~~	~~**984**~~	~~<20.0~~
~~SW-37A~~	~~11/30/2022~~	~~0-11~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<20.0~~	~~**307**~~	~~<500~~	~~**307**~~	~~<20.0~~
SW-37B	12/7/2022	0-9	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	**510**	<500	**510**	<20.0
SW-38	11/9/2022	0-9	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0

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

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH				Chloride
								GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			Table I Closure Criteria for Soils <50 feet Depth to Groundwater 19.15.29 NMAC									
			10	---	---	---	50	---			100	600
SW-39	11/9/2022	0-13	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
~~SW-40~~	~~11/9/2022~~	~~0-13~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<20.0~~	~~3,840~~	~~<5,000~~	~~3,840~~	~~36.9~~
~~SW-40A~~	~~11/30/2022~~	~~0-15~~	~~<0.0250~~	~~<0.0250~~	~~0.0930~~	~~0.133~~	~~0.2260~~	~~<20.0~~	~~467~~	~~225~~	~~692~~	~~<20.0~~
SW-40B	12/7/2022	0-17	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	2,260	<2,500	2,260	107
SW-41	11/9/2022	0-13	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	54.7
~~SW-42~~	~~11/9/2022~~	~~0-13~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<20.0~~	~~596~~	~~<1,000~~	~~596~~	~~<20.0~~
~~SW-42A~~	~~11/30/2022~~	~~0-15~~	~~<0.0250~~	~~<0.0250~~	~~0.204~~	~~0.292~~	~~0.496~~	~~<20.0~~	~~4,110~~	~~3,400~~	~~7,510~~	~~41.1~~
SW-42B	12/7/2022	0-17	<0.0250	<0.0250	0.748	1.91	2.658	58.5	1,220	<1,000	1,279	42.9
SW-43	11/9/2022	0-22	0.319	7.73	1.67	5.76	15.479	154	6,200	2,970	9,324	223
SW-44	11/9/2022	0-22	0.32	8.19	1.68	6.04	16.23	177	11,100	<5,000	11,277	106
~~SW-45~~	~~11/22/2022~~	~~0-15~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<20.0~~	~~598~~	~~878~~	~~1,476~~	~~52.6~~
SW-45A	11/30/2022	0-15	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
SW-46	12/2/2022	0-9	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	35.2
~~SW-47~~	~~12/2/2022~~	~~0-5~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<20.0~~	~~96.5~~	~~102~~	~~199~~	~~<20.0~~
SW-47A	12/7/2022	0-5	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	41.9
SW-48	12/2/2022	0-15	<0.0250	0.900	5.04	5.84	11.780	105	4,570	2,360	7,035	69.5
~~SW-49~~	~~12/2/2022~~	~~0-15~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<0.0250~~	~~<20.0~~	~~911~~	~~609~~	~~1,520~~	~~<20.0~~
SW-49A	12/7/2022	0-17	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	192
SW-50	12/2/2022	0-9	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
SW-51	12/2/2022	0-13	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	68.6	68.6	<20.0
SW-52	12/2/2022	0-15	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
SW-53	12/2/2022	0-16	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
SW-54	12/2/2022	0-14	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
SW-55	12/2/2022	0-14	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
SW-56	12/2/2022	0-7	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	20.8
SW-57	12/2/2022	0-8	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	87.3

Notes:
1. Values reported in mg/kg
2. < = Value Less than Reporting Limit (RL)
3. Bold Indicates Analyte Detected
4 BTEX analyses by EPA Method SW 8021B.
5. TPH analyses by EPA Method SW 8015 Mod.
6. GRO/DRO/MRO = Gasoline/Diesel/Motor Oil
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).

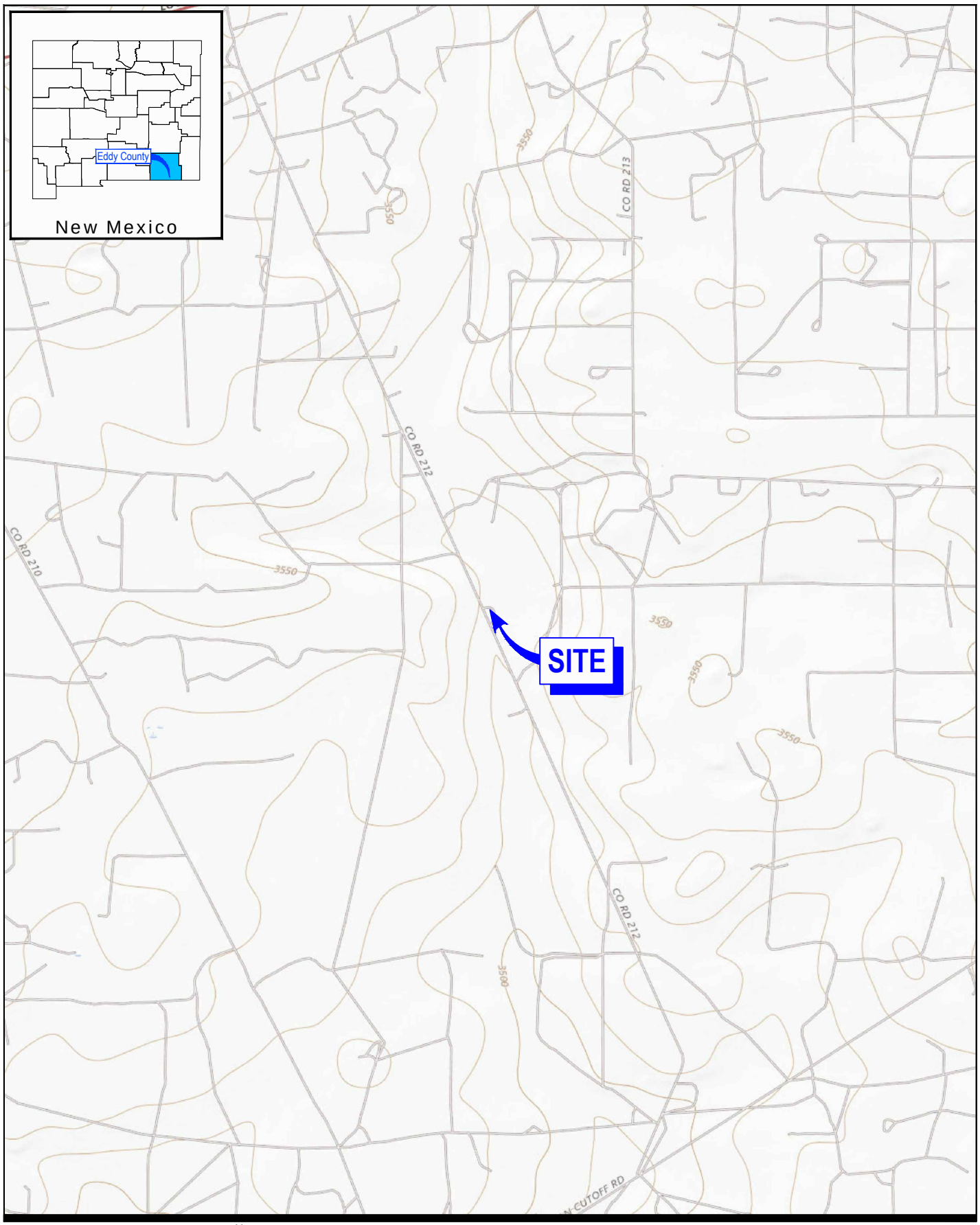
~~B-BH-2~~ Sample Point Excavated

Table 2
Daily Disposal Summary
Robinson B Federal
EOG Resources
Eddy County, New Mexico

Date of Disposal	Total Pounds Disposed	Total Tons Disposed
9/14/2022	862,860	431
9/15/2022	1,077,780	539
9/16/2022	1,074,460	537
9/22/2022	1,723,080	862
9/23/2022	430,060	215
9/28/2022	1,601,380	801
9/30/2022	427,280	214
10/4/2022	755,140	378
10/5/2022	1,640,040	820
10/6/2022	858,760	429
10/7/2022	671,240	336
10/11/2022	589,920	295
10/12/2022	553,420	277
10/13/2022	567,420	284
10/14/2022	994,340	497
10/19/2022	1,088,840	544
10/20/2022	816,620	408
10/24/2022	699,220	350
10/25/2022	943,820	472
11/4/2022	220,940	110
11/9/2022	582,720	291
11/10/2022	664,940	332
11/11/2022	754,240	377
11/14/2022	196,960	98
11/15/2022	235,780	118
11/17/2022	58,560	29
11/18/2022	358,400	179
11/22/2022	108,800	54
11/23/2022	124,240	62
11/30/2022	77,080	39
12/2/2022	329,840	165
12/7/2022	80,960	40
12/9/2022	303,320	152
Project Total	**21,472,460**	**10,736**

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Figures



0 1000 2000 ft

Coordinate System:
NAD 1983 (2011) StatePlane-
New Mexico East (US Feet)

N

GHD

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

Project No. 12574110
Date April 2022

SITE LOCATION MAP

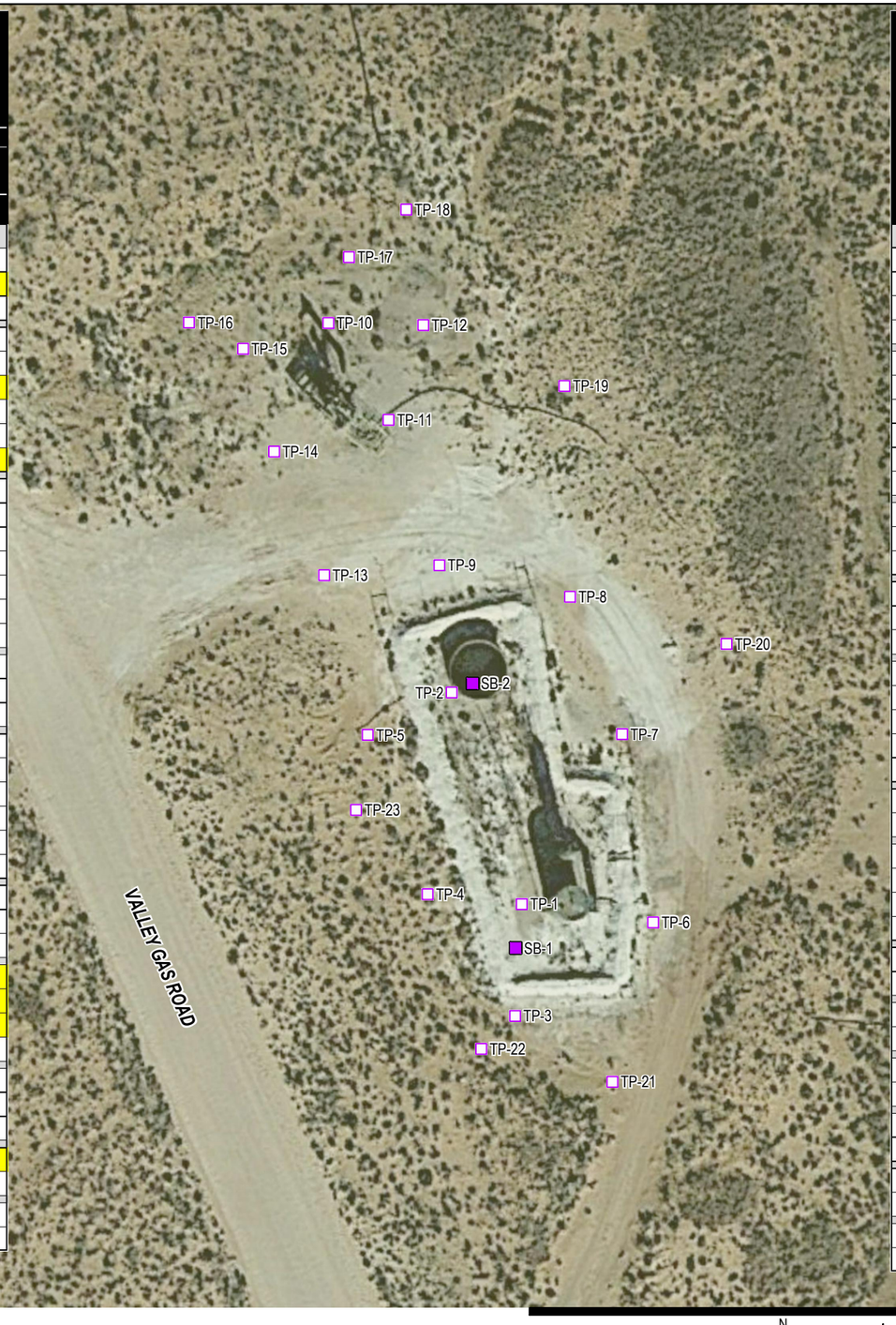
FIGURE 1

Filename: \\ghdnet\ghd\US\Midland\Projects\562\12574110\Digital_Design\ACAD\Figures\RPT001\12574110-GHD-0000-RPT-EN-0101-DL-001.dwg

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

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Sample ID	Sample Date	Depth (ft bgs)	Benzene	BTEX	Total Petroleum Hydrocarbons (TPH)	Chloride
					Total GRO/DRO/MRO	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			Table I Closure Criteria for Soils <50 feet Depth to Groundwater 19.15.29 NMAC			
			10 mg/kg	50 mg/kg	100 mg/kg	600 mg/kg
Initial Assessment Samples						
TP1-4	2/17/22	4	<0.12	<0.50	10,800	<60
TP1-12	2/17/22	12	0.52	32.52	5,210	970
TP1-19	2/17/22	19	<0.40	11.1	5,070	110
TP2-2	2/17/22	2	<0.023	<0.094	2,800	71
TP2-8	2/17/22	8	<0.12	<0.49	5,800	420
TP2-10	2/17/22	10	<0.024	<0.098	480	1,100
TP2-14	3/23/22	14	<0.025	<0.099	1,300	500
TP2-16	3/23/22	16	<0.025	<0.099	<47	130
TP2-20	3/23/22	20	<0.016	<0.064	<50	710
TP3-S	2/17/22	Surface	<0.024	<0.097	6,300	<60
TP3-2	2/17/22	2	<0.025	<0.099	3,800	<60
TP3-4	2/17/22	4	<0.025	<0.099	6,100	<60
TP3-8	3/23/22	8	<0.024	<0.098	2,300	<60
TP3-12	3/23/22	12	37	757	35,300	89
TP3-16	3/23/22	16	3.1	104.1	7,400	200
TP3-19	3/23/22	19	0.87	21.77	2,050	190
TP4-4	2/17/22	4	<0.12	<0.48	9,900	<60
TP4-12	2/17/22	12	<0.024	<0.097	5,500	230
TP4-16	2/17/22	16	<0.024	<0.095	57	86
TP5-S	2/17/22	Surface	<0.024	<0.096	<44	170
TP5-2	2/17/22	2	<0.023	<0.092	<49	320
TP5-4	2/17/22	4	<0.024	<0.094	1,710	<60
TP5-6	2/17/22	6	<0.024	<0.098	670	<60
TP5-8	3/23/22	8	<0.025	<0.098	421	91
TP5-12	3/23/22	12	<0.025	<0.10	<51	<60
TP6-2	2/17/22	2	<0.024	<0.098	<46	<60
TP6-4	2/17/22	4	<0.025	<0.10	<49	350
TP6-6	2/17/22	6	<0.024	<0.098	<46	460
TP7-S	2/18/22	Surface	<0.12	<0.46	12,300	3,200
TP7-2	2/18/22	2	<0.025	<0.099	<48	890
TP7-4	2/18/22	4	<0.025	<0.098	<49	640
TP7-6	3/23/22	6	<0.025	<0.099	<46	92
TP8-S	2/18/22	Surface	<0.12	<0.48	372	65
TP8-2	2/18/22	2	<0.024	<0.097	<45	65
TP8-4	2/18/22	4	<0.025	<0.10	<49	63
TP9-S	2/18/22	Surface	<0.12	<0.47	60	2,700
TP9-2	2/18/22	2	<0.023	<0.093	<46	140
TP10-S	2/18/22	Surface	<0.12	<0.50	8,100	<60
TP10-2	2/18/22	2	<0.12	<0.49	<44	<60



Sample ID	Sample Date	Depth (ft bgs)	Benzene	BTEX	Total Petroleum Hydrocarbons (TPH)	Chloride
					Total GRO/DRO/MRO	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			Table I Closure Criteria for Soils <50 feet Depth to Groundwater 19.15.29 NMAC			
			10 mg/kg	50 mg/kg	100 mg/kg	600 mg/kg
Initial Assessment Samples						
TP11-S	2/18/22	Surface	<0.12	<0.50	1,910	1,500
TP11-2	2/18/22	2	<0.12	<0.49	1,650	140
TP11-4	2/18/22	4	<0.12	<0.50	1,830	140
TP11-8	3/23/22	8	<0.024	<0.098	<49	130
TP12-S	2/18/22	Surface	<0.12	<0.48	1,860	<60
TP12-4	2/18/22	4	<0.12	<0.48	136	<60
TP12-6	2/18/22	6	<0.12	<0.49	233	<60
TP12-8	3/23/22	8	<0.024	<0.097	1,500	<60
TP12-12	3/23/22	12	<0.025	<0.099	236	240
TP12-14	3/23/22	14	<0.025	<0.10	63	<61
TP13-S	2/21/22	Surface	<0.023	<0.093	9.7	560
TP13-2	2/21/22	2	<0.025	<0.10	<49	160
TP13-4	2/21/22	4	<0.025	<0.10	<50	140
TP14-S	2/21/22	Surface	<0.023	<0.092	<45	94
TP14-2	2/21/22	2	<0.024	<0.097	320	<60
TP14-4	2/21/22	4	<0.024	<0.095	<46	69
TP15-S	2/21/22	Surface	<0.12	<0.50	1,250	<60
TP15-4	2/21/22	4	<0.12	<0.48	3,900	<60
TP15-8	2/21/22	8	<0.12	<0.48	3,030	<60
TP15-12	2/21/22	12	<0.025	<0.10	306	97
TP15-14	3/23/22	14	<0.024	<0.095	76	150
TP16-S	3/23/22	Surface	<0.025	<0.099	<48	<61
TP16-2	3/23/22	2	<0.025	<0.10	<49	<60
TP17-2	3/23/22	2	<0.025	<0.099	1,880	<60
TP17-4	3/23/22	4	<0.025	<0.10	6,200	<60
TP17-8	3/23/22	8	<0.025	<0.098	1,110	<60
TP17-10	3/23/22	10	<0.024	<0.096	<50	<61
TP18-S	3/23/22	Surface	<0.025	<0.099	90	<60
TP18-2	3/23/22	2	<0.024	<0.097	<50	<60
TP19-S	3/24/22	Surface	<0.024	<0.097	<49	<60
TP19-2	3/24/22	2	<0.024	<0.095	<47	<60
TP20-S	3/24/22	Surface	<0.024	<0.097	<48	<60
TP20-2	3/24/22	2	<0.024	<0.096	<49	<60
TP21-S	3/24/22	Surface	<0.023	<0.094	<50	<60
TP21-2	3/24/22	2	<0.024	<0.098	<47	<59
TP22-S	3/24/22	Surface	<0.025	<0.099	<48	<60
TP22-2	3/24/22	2	<0.024	<0.097	<49	<60
TP23-S	3/24/22	Surface	<0.025	<0.098	<47	<60
TP23-2	3/24/22	2	<0.023	<0.093	<47	<60

LEGEND

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

NOTES:

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

0 20 40 ft

Coordinate System:
NAD 1983 (2011) StatePlane-
New Mexico East (US Feet)

N

GHD

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

SITE ASSESSMENT:
SOIL ANALYTICAL RESULTS MAP

Project No. 12574110
Date April 2022

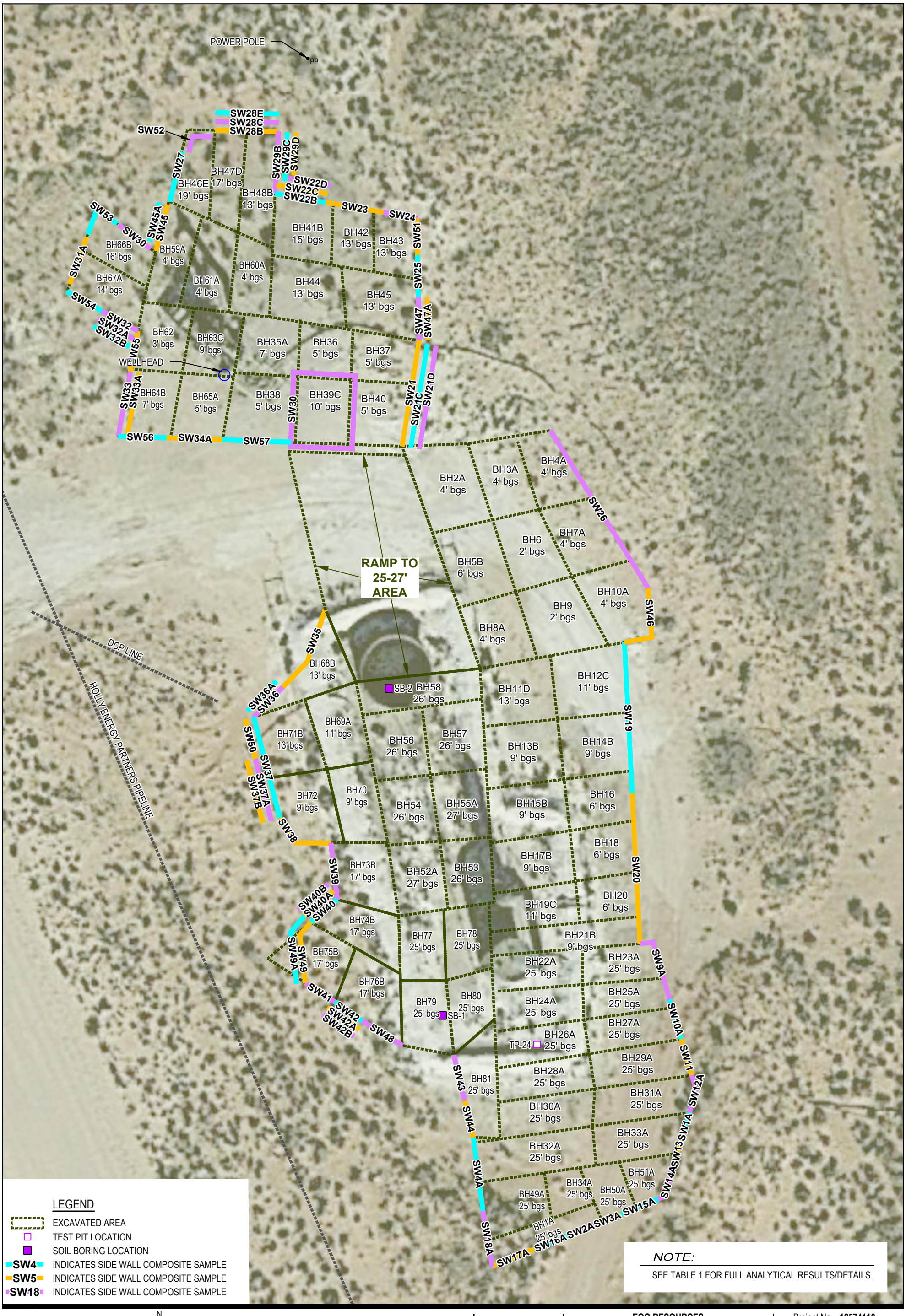
FIGURE 2

Filename: \\ghdnet\ghd\US\Midland\Projects\562\12574110\Digital_Design\ACAD\Figures\RPT001\12574110-GHD-0000-RPT-EN-0101-DL-001.dwg
Plot Date: 13 April 2022 11:42 AM

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

Received by OCD: 12/19/2022 1:41:21 PM

Released to Imaging: 1/17/2023 10:41:10 AM



GHD

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

CONFIRMATION SAMPLE LOCATIONS MAP

Project No. **12574110**
Date **December 2022**

FIGURE 3

Filename: N:\US\Midland\Projects\562\12574110\Digital_Design\ACAD\Figures\RPT001\12574110-GHD-00-00-RPT-EN-D103-DL-001.dwg
Plot Date: 16 December 2022 3:19 PM

Data Source: Image © 2021 Google - Imagery Date: December 21, 2019
Lat/Long: 32.791° North, 104.063° West

Received by OCD: 12/19/2022 1:41:21 PM
Released to Imaging: 1/17/2023 10:41:10 AM

Attachment A
Site Characterization Documentation

Received by OCD: 12/19/2022 1:41:21 PM

Robinson B Federal #1

Karst Potential Map

Legend

- High
- Low
- Medium
- Robinson B Federal 1

Loco Hills

82

82

Robinson B Federal 1

360

360

N

6 mi

Google Earth

Released to Imaging: 1/17/2023 10:41:10 AM

OSE POD Locations Map



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

Override 1

OSE District Boundary

New Mexico State Trust Lands

Subsurface Estate

Both Estates

SiteBoundaries

1:18,056

0 0.17 0.35 0.7 mi

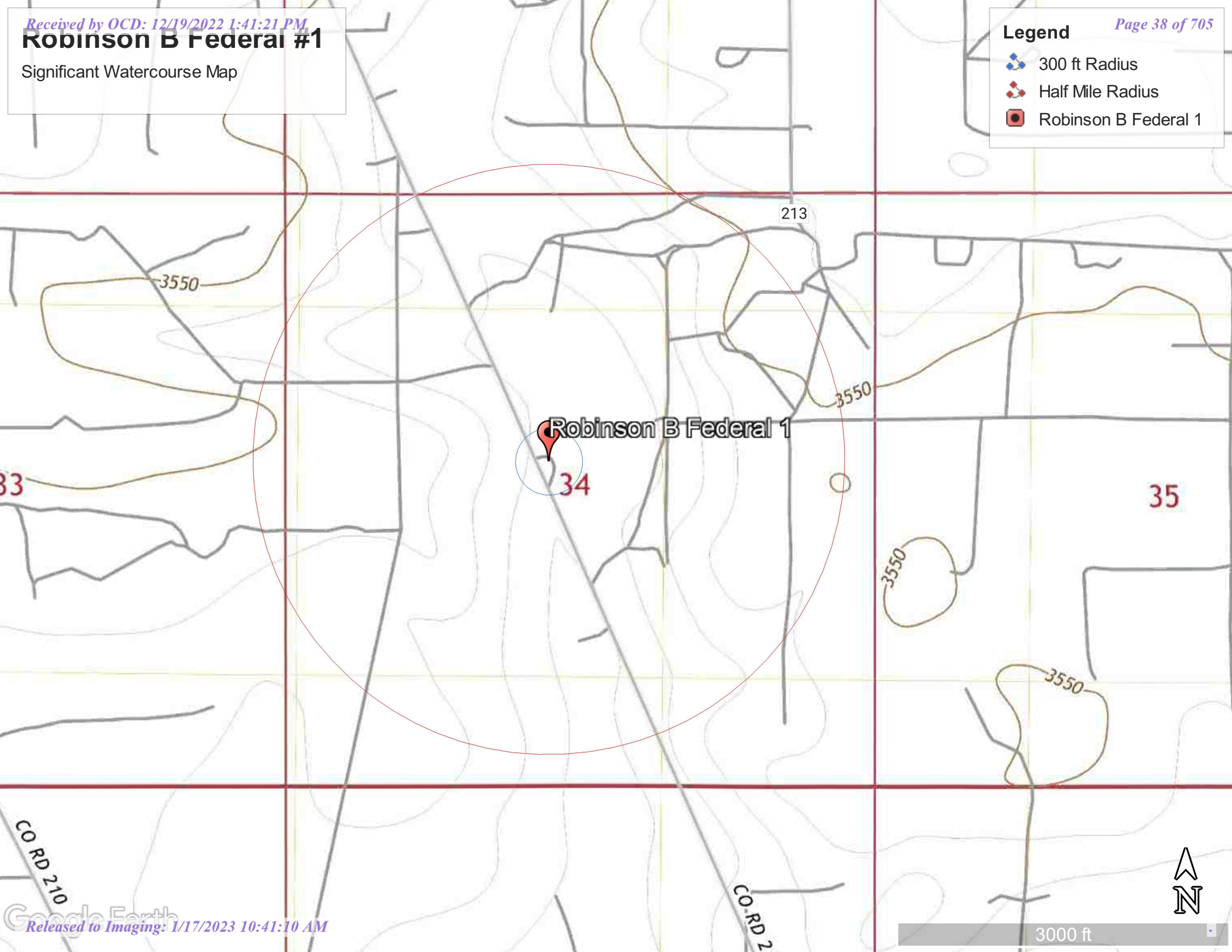
0 0.3 0.6 1.2 km

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

Unofficial Online Map
These maps are distributed “as is” without warranty of any kind.

Robinson B Federal #1

Significant Watercourse Map



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National Flood Hazard Layer FIRMette

FEMA

104°4'8"W 32°47'45"N



0 250 500 1,000 1,500 2,000 Feet

1:6,000

104°3'30"W 32°47'15"N

Released to Imaging: 1/17/2023 10:41:10 AM

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

Legend

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

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

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

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.

Received by OCD: 12/19/2022 1:41:21 PM

U.S. Fish and Wildlife Service

National Wetlands Inventory

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

Released to Imaging: 1/17/2023 10:41:10 AM

Attachment C
Boring Logs

STRATIGRAPHIC LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Robinson B-Federal
PROJECT NUMBER: 125 74110-03
CLIENT: EOG
LOCATION: New Mexico
HOLE DESIGNATION: SB-1
DATE COMPLETED: 4/27
DRILLING METHOD: Air Rotary
FIELD PERSONNEL: Lec M

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE BTEX	SAMPLE PID
0	0-3 F/M Sand light brown - brown, dry			3-5		ND	159.4
4	3-5 F/M Sand, black, Very Moist, Odor			8 10		ND	491.3
6				13 15		ND	383.1
8	5-13 F/M Sand, light brown, Moist, odor ↓ w/clay			18 20		ND	219.2
10				23 25		ND	52.7
12				28 30		ND	4.1
14	13 28 Sandy Clay, brown & dark brown, Moist, odor			33 35		ND	3.1
16							
18	28- F/M Sand, light brown & red, dry						
20							
22							
24	TD @ 35						
26							
28							
30							
32							
34							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

Sample: 5' @ 1030 10' @ 1035 15' @ 1040 20' @ 1045
25' @ 1055 30' @ 1105 35' @ 1110

File: \\GHDNET\GHD\US\MIDLAND\PROJECTS\562\11213867\WORKSHARE\11213867 GINT LOGS\11213867 LOGS.GPJ Library File: 11213867 GHD_ENVIRO_V04.GLB Report: OVERBURDEN LOG Date: 2/2/22

STRATIGRAPHIC LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Robinson B - Federal
PROJECT NUMBER: 12574110-03
CLIENT: EOG
LOCATION: New Mexico

HOLE DESIGNATION: SB-2
DATE COMPLETED: 4/27
DRILLING METHOD: Air Rotary
FIELD PERSONNEL: Lee M

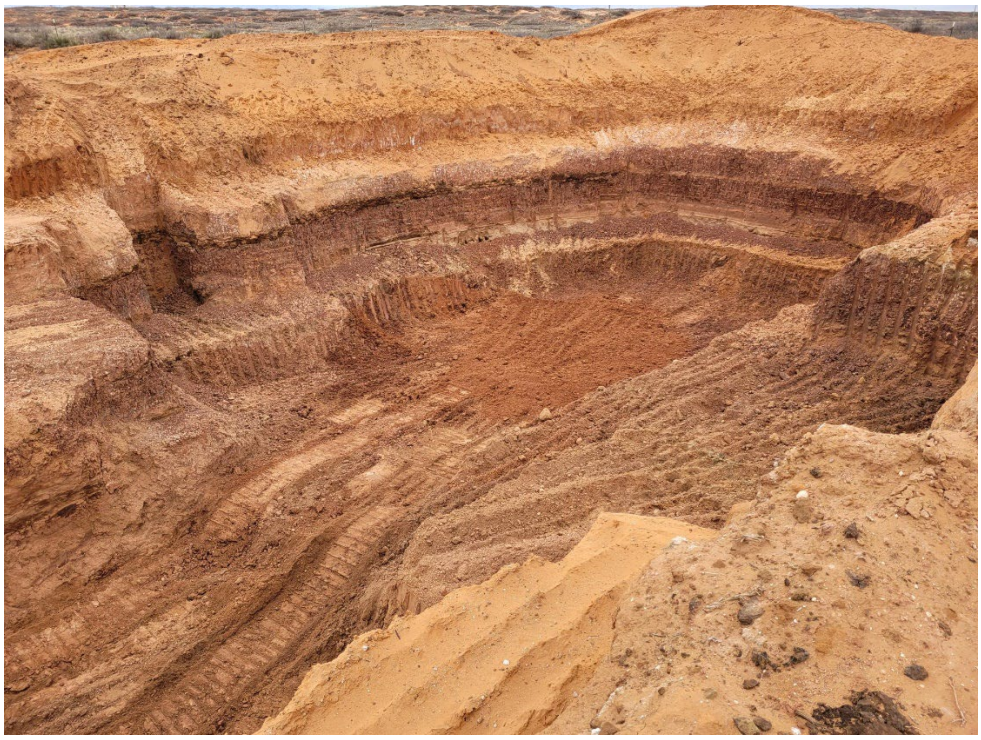
DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	SAMPLE NUMBER	INTERVAL	REC (%)	'N' VALUE	
0-9	F/M Sand, light brown - brown, dry			0-5	100	ND	2.0
				8-10	100	ND	2.1
9-13	F/M sand w/ clay, light brown reddish, dry			13-15	100	ND	2.6
				18-20	100	740	6.8
13-15	F/M Sand light brown - brown - dry			23-25	100	180	4.2
15-28	Sandy Clay, brown - red, dry			28-30	100	ND	2
28-	F/M Sand, light brown - red, dry						
	TD @ 30						

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

Sample: 5 @ 1130 | 10 @ 1140 | 15 @ 1145 | 20 @ 1150 | 25 @ 1205
30 @ 1210 | 3~~0~~ @

File: \\GHONET\GHOUS\MIDLAND\PROJECTS\562\11213867\WORKSHARE\11213867.GINT LOGS\11213867 LOGS.GPJ Library File: 11213867 GHD_ENVIRO_V04.GLB Report: OVERBURDEN LOG Date: 2/1/2022

Appendix D
Photographic Log

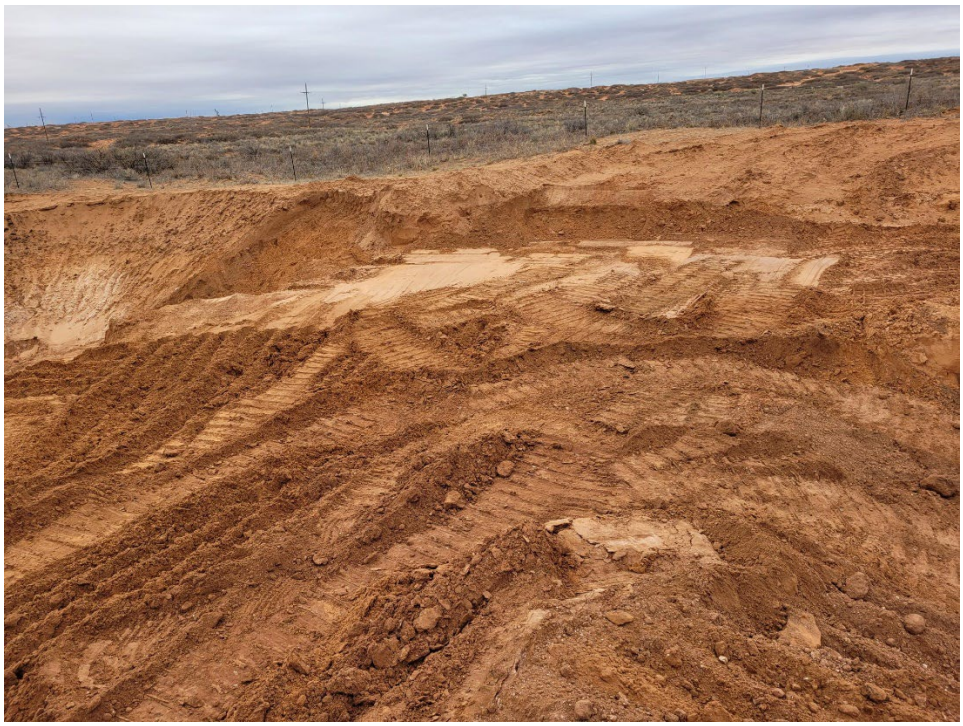




Site Photograph

EOG Robinson Federal #1 Release Site





Site Photograph

EOG Robinson Federal #1 Release Site

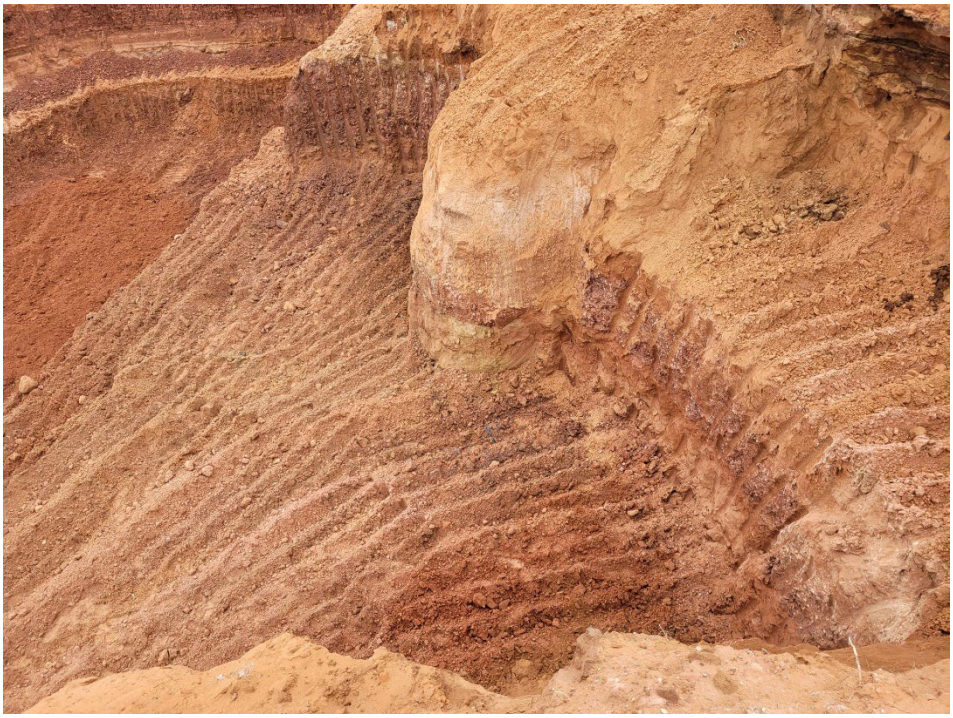




Site Photograph

EOG Robinson Federal #1 Release Site





Site Photograph

EOG Robinson Federal #1 Release Site

Appendix E
Sampling Notifications

Nate Reece

From: Amber Griffin <Amber_Griffin@eogresources.com>
Sent: Thursday, September 29, 2022 8:38 AM
To: Nate Reece; J.T. Murrey; Alice Harpole
Subject: FW: [EXTERNAL] Robinson B Federal 1 (nAPP2202759509) Sampling Notification

Thank you,
Amber Griffin

From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Wednesday, September 28, 2022 4:19 PM
To: Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>
Cc: Artesia Regulatory <Artesia_Regulatory@eogresources.com>
Subject: FW: [EXTERNAL] Robinson B Federal 1 (nAPP2202759509) Sampling Notification

FYI

From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Sent: Wednesday, September 28, 2022 4:14 PM
To: Tina Huerta <Tina_Huerta@eogresources.com>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Robinson B Federal 1 (nAPP2202759509) Sampling Notification

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Tina

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thanks,
Jennifer Nobui

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Wednesday, September 28, 2022 4:12 PM
To: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Subject: Fw: [EXTERNAL] Robinson B Federal 1 (nAPP2202759509) Sampling Notification

---

From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Wednesday, September 28, 2022 4:08 PM

To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; blm_nm_cfo_spill@blm.gov <blm_nm_cfo_spill@blm.gov>
Cc: Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>; Artesia Regulatory <Artesia_Regulatory@eogresources.com>
Subject: [EXTERNAL] Robinson B Federal 1 (nAPP2202759509) Sampling Notification

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good Afternoon,

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

Robinson B Federal 1
F-34-17S-29E
Eddy County, NM
nAPP2202759509

Sampling will begin at 7:00 a.m. on Monday, October 3, 2022 and continue through Friday, October 7, 2022.

Thank you,

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

eog resources
Artesia Division

Nate Reece

From: Amber Griffin <Amber_Griffin@eogresources.com>
Sent: Wednesday, October 5, 2022 4:48 PM
To: J.T. Murrey; Nate Reece; Alice Harpole
Subject: FW: [EXTERNAL] Robinson B Federal 1 (nAPP2202759509) Sampling Notification

Thank you,
Amber Griffin

From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Wednesday, October 5, 2022 2:49 PM
To: Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>
Cc: Artesia Regulatory <Artesia_Regulatory@eogresources.com>
Subject: FW: [EXTERNAL] Robinson B Federal 1 (nAPP2202759509) Sampling Notification

FYI

From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Sent: Wednesday, October 5, 2022 2:35 PM
To: Tina Huerta <Tina_Huerta@eogresources.com>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Robinson B Federal 1 (nAPP2202759509) Sampling Notification

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Tina

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thanks,
Jennifer Nobui

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Wednesday, October 5, 2022 1:47 PM
To: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Subject: Fw: [EXTERNAL] Robinson B Federal 1 (nAPP2202759509) Sampling Notification

---

From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Wednesday, October 5, 2022 1:47 PM

To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; blm_nm_cfo_spill@blm.gov <blm_nm_cfo_spill@blm.gov>
Cc: Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>; Artesia Regulatory <Artesia_Regulatory@eogresources.com>
Subject: [EXTERNAL] Robinson B Federal 1 (nAPP2202759509) Sampling Notification

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good Afternoon,

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

Robinson B Federal 1
F-34-17S-29E
Eddy County, NM
nAPP2202759509

Sampling will begin at 7:00 a.m. on Monday, October 10, 2022 and continue through Friday, October 14, 2022.

Thank you,

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

eog resources
Artesia Division

From: Amber Griffin
To: Nate Reece; J.T. Murrey; Alice Harpole
Subject: FW: [EXTERNAL] Robinson B Federal 1 (nAPP2202759509) Sampling Notification
Date: Tuesday, October 25, 2022 10:45:55 AM
Attachments: image001.png

Thank you,
Amber Griffin

From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Monday, October 24, 2022 10:49 AM
To: Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>
Cc: Artesia Regulatory <Artesia_Regulatory@eogresources.com>
Subject: FW: [EXTERNAL] Robinson B Federal 1 (nAPP2202759509) Sampling Notification

FYI

From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Sent: Monday, October 24, 2022 9:58 AM
To: Tina Huerta <Tina_Huerta@eogresources.com>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Robinson B Federal 1 (nAPP2202759509) Sampling Notification

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Tina

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thanks,
Jennifer Nobui

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Thursday, October 20, 2022 8:15 AM
To: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Robinson B Federal 1 (nAPP2202759509) Sampling Notification

Jocelyn Harimon ● Environmental Specialist
Environmental Bureau

EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@state.nm.us
http:// www.emnrd.nm.gov

From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Wednesday, October 19, 2022 2:52 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; blm_nm_cfo_spill@blm.gov
Cc: Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>; Artesia Regulatory <Artesia_Regulatory@eogresources.com>
Subject: [EXTERNAL] Robinson B Federal 1 (nAPP2202759509) Sampling Notification

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good Afternoon,

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

Robinson B Federal 1
F-34-17S-29E
Eddy County, NM
nAPP2202759509

Sampling will begin at 7:00 a.m. on Monday, October 24, 2022 and continue through Friday, October 28, 2022.

Thank you,

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

eog resources
Artesia Division

Nate Reece

From: Amber Griffin <Amber_Griffin@eogresources.com>
Sent: Wednesday, October 26, 2022 2:02 PM
To: Alice Harpole; Nate Reece; J.T. Murrey
Subject: FW: [EXTERNAL] Robinson B Federal 1 (nAPP2202759509) Sampling Notification

Thank you,
Amber Griffin

From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Wednesday, October 26, 2022 12:57 PM
To: Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>
Cc: Artesia Regulatory <Artesia_Regulatory@eogresources.com>
Subject: FW: [EXTERNAL] Robinson B Federal 1 (nAPP2202759509) Sampling Notification

FYI

From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Sent: Wednesday, October 26, 2022 12:27 PM
To: Tina Huerta <Tina_Huerta@eogresources.com>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Robinson B Federal 1 (nAPP2202759509) Sampling Notification

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Tina

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thanks,
Jennifer Nobui

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Wednesday, October 26, 2022 11:49 AM
To: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Robinson B Federal 1 (nAPP2202759509) Sampling Notification

Jocelyn Harimon ● Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505

(505)469-2821 | Jocelyn.Harimon@state.nm.us
http:// www.emnrd.nm.gov

From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Wednesday, October 26, 2022 11:13 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; blm_nm_cfo_spill@blm.gov
Cc: Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>; Artesia Regulatory <Artesia_Regulatory@eogresources.com>
Subject: [EXTERNAL] Robinson B Federal 1 (nAPP2202759509) Sampling Notification

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good Morning,

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

Robinson B Federal 1
F-34-17S-29E
Eddy County, NM
nAPP2202759509

Sampling will begin at 7:00 a.m. on Monday, October 31, 2022 and continue through Friday, November 4, 2022.

Thank you,

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

eog resources
Artesia Division

Nate Reece

From: Amber Griffin <Amber_Griffin@eogresources.com>
Sent: Thursday, November 3, 2022 12:18 PM
To: J.T. Murrey; Nate Reece
Subject: FW: [EXTERNAL] Robinson B Federal #1(nAPP2202759509) Sampling notification

Thank you,
Amber Griffin

From: Miriam Morales <Miriam_Morales@eogresources.com>
Sent: Thursday, November 3, 2022 8:42 AM
To: Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>
Cc: Artesia Regulatory <Artesia_Regulatory@eogresources.com>
Subject: FW: [EXTERNAL] Robinson B Federal #1(nAPP2202759509) Sampling notification

FYI

Miriam Morales

From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Sent: Thursday, November 3, 2022 8:40 AM
To: Miriam Morales <Miriam_Morales@eogresources.com>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Robinson B Federal #1(nAPP2202759509) Sampling notification

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Miriam

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thanks,
Jennifer Nobui

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Thursday, November 3, 2022 8:11 AM
To: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Robinson B Federal #1(nAPP2202759509) Sampling notification

Jocelyn Harimon ● Environmental Specialist
Environmental Bureau

EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@state.nm.us
http:// www.emnrd.nm.gov

From: Miriam Morales <Miriam_Morales@eogresources.com>
Sent: Wednesday, November 2, 2022 4:30 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; CFO_Spill, BLM_NM <blm_nm_cfo_spill@blm.gov>
Cc: Artesia Regulatory <Artesia_Regulatory@eogresources.com>; Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>
Subject: [EXTERNAL] Robinson B Federal #1(nAPP2202759509) Sampling notification

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good afternoon,

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

Robinson B Federal #1
F-34-17S-29E
Eddy County, NM
nAPP2202759509

Sampling will begin at 7:00 a.m. on Monday, November 7, 2022 and will continue through Friday, November 11, 2022.

Thank you,

Miriam Morales

Nate Reece

From: Amber Griffin <Amber_Griffin@eogresources.com>
Sent: Friday, November 11, 2022 10:08 AM
To: Nate Reece; J.T. Murrey
Subject: FW: [EXTERNAL] Robinson B Federal 1 (nAPP2202759509) Sampling Notification

Thank you,
Amber Griffin

From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Wednesday, November 9, 2022 2:04 PM
To: Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>
Cc: Artesia Regulatory <Artesia_Regulatory@eogresources.com>
Subject: FW: [EXTERNAL] Robinson B Federal 1 (nAPP2202759509) Sampling Notification

FYI

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Wednesday, November 9, 2022 1:50 PM
To: Tina Huerta <Tina_Huerta@eogresources.com>
Cc: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: RE: [EXTERNAL] Robinson B Federal 1 (nAPP2202759509) Sampling Notification

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Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Jocelyn Harimon ● Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@state.nm.us
http:// **www.emnrd.nm.gov**

From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Wednesday, November 9, 2022 1:28 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; blm_nm_cfo_spill@blm.gov

Cc: Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>; Artesia Regulatory <Artesia_Regulatory@eogresources.com>
Subject: [EXTERNAL] Robinson B Federal 1 (nAPP2202759509) Sampling Notification

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good afternoon,

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

Robinson B Federal #1
F-34-17S-29E
Eddy County, NM
nAPP2202759509

Sampling will begin at 7:00 a.m. on Monday, November 14, 2022 and will continue through Friday, November 18, 2022.

Thank you,

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

eog resources
Artesia Division

Nate Reece

From: Amber Griffin <Amber_Griffin@eogresources.com>
Sent: Monday, November 21, 2022 8:42 AM
To: Nate Reece; Alice Harpole; J.T. Murrey
Subject: FW: [EXTERNAL] Robinson B Federal 1 (nAPP2202759509) Sampling Notification

Thank you,
Amber Griffin

From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Thursday, November 17, 2022 7:01 AM
To: Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>
Cc: Artesia Regulatory <Artesia_Regulatory@eogresources.com>
Subject: FW: [EXTERNAL] Robinson B Federal 1 (nAPP2202759509) Sampling Notification

FYI

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Wednesday, November 16, 2022 4:16 PM
To: Tina Huerta <Tina_Huerta@eogresources.com>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Subject: RE: [EXTERNAL] Robinson B Federal 1 (nAPP2202759509) Sampling Notification

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Jocelyn Harimon ● Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov
http:// **www.emnrd.nm.gov**

From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Wednesday, November 16, 2022 3:51 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; blm_nm_cfo_spill@blm.gov

Cc: Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>; Artesia Regulatory <Artesia_Regulatory@eogresources.com>
Subject: [EXTERNAL] Robinson B Federal 1 (nAPP2202759509) Sampling Notification

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Good afternoon,

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

Robinson B Federal #1
F-34-17S-29E
Eddy County, NM
nAPP2202759509

Sampling will begin at 7:00 a.m. on Monday, November 21, 2022 and will continue through Wednesday, November 23, 2022.

Thank you,

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

eog resources
Artesia Division

Nate Reece

From: Amber Griffin <Amber_Griffin@eogresources.com>
Sent: Monday, November 28, 2022 2:12 PM
To: Nate Reece; J.T. Murrey
Subject: FW: [EXTERNAL] Robinson B Federal 1 (nAPP2202759509) Sampling Notification

Thank you,
Amber Griffin

From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Tuesday, November 22, 2022 8:39 AM
To: Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>
Cc: Artesia Regulatory <Artesia_Regulatory@eogresources.com>
Subject: FW: [EXTERNAL] Robinson B Federal 1 (nAPP2202759509) Sampling Notification

FYI

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Monday, November 21, 2022 4:14 PM
To: Tina Huerta <Tina_Huerta@eogresources.com>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Subject: RE: [EXTERNAL] Robinson B Federal 1 (nAPP2202759509) Sampling Notification

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Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Jocelyn Harimon ● Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov
http:// **www.emnrd.nm.gov**

From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Monday, November 21, 2022 3:53 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; blm_nm_cfo_spill@blm.gov

Cc: Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>; Artesia Regulatory <Artesia_Regulatory@eogresources.com>
Subject: [EXTERNAL] Robinson B Federal 1 (nAPP2202759509) Sampling Notification

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Good afternoon,

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

Robinson B Federal #1
F-34-17S-29E
Eddy County, NM
nAPP2202759509

Sampling will begin at 7:00 a.m. on Monday, November 28, 2022 and will continue through Friday, December 2, 2022.

Thank you,

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

eog resources
Artesia Division

Nate Reece

From: Amber Griffin <Amber_Griffin@eogresources.com>
Sent: Friday, December 2, 2022 2:17 PM
To: Nate Reece; J.T. Murrey
Subject: FW: [EXTERNAL] Robinson B Federal 1 (nAPP2202759509) Sampling Notification

Thank you,
Amber Griffin

From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Thursday, December 1, 2022 9:14 AM
To: Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>
Cc: Artesia Regulatory <Artesia_Regulatory@eogresources.com>
Subject: FW: [EXTERNAL] Robinson B Federal 1 (nAPP2202759509) Sampling Notification

FYI

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Thursday, December 1, 2022 9:03 AM
To: Tina Huerta <Tina_Huerta@eogresources.com>
Cc: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: RE: [EXTERNAL] Robinson B Federal 1 (nAPP2202759509) Sampling Notification

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Jocelyn Harimon ● Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov
http:// **www.emnrd.nm.gov**

From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Thursday, December 1, 2022 6:48 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; blm_nm_cfo_spill@blm.gov

Cc: Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>; Artesia Regulatory <Artesia_Regulatory@eogresources.com>
Subject: [EXTERNAL] Robinson B Federal 1 (nAPP2202759509) Sampling Notification

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good Morning,

EOG Resources, Inc. respectfully submits notification (2) business days prior to conducting sampling on the following location.

Robinson B Federal #1
F-34-17S-29E
Eddy County, NM
nAPP2202759509

Sampling will begin at 7:00 a.m. on Monday, December 5, 2022 and will continue through Friday, December 9, 2022.

Thank you,

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

eog resources
Artesia Division

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
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 ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	9.7	8.5		mg/Kg	1	2/28/2022 8:24:06 PM	65780
Motor Oil Range Organics (MRO)	ND	42		mg/Kg	1	2/28/2022 8:24:06 PM	65780
Surr: DNOP	96.3	51.1-141		%Rec	1	2/28/2022 8:24:06 PM	65780
EPA METHOD 8015D: GASOLINE 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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
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 ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	2/26/2022 1:25:46 AM	65780
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/26/2022 1:25:46 AM	65780
Surr: DNOP	105	51.1-141		%Rec	1	2/26/2022 1:25:46 AM	65780
EPA METHOD 8015D: GASOLINE 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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: TP13-4
Project: Robinson B Federal 1
Collection Date: 2/21/2022 9:10:00 AM
Lab ID: 2202A50-003 **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	140	60		mg/Kg	20	3/2/2022 4:22:56 AM	65883
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	2/26/2022 1:36:18 AM	65780
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/26/2022 1:36:18 AM	65780
Surr: DNOP	98.9	51.1-141		%Rec	1	2/26/2022 1:36:18 AM	65780
EPA METHOD 8015D: GASOLINE RANGE						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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
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 ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	2/26/2022 1:46:46 AM	65780
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	2/26/2022 1:46:46 AM	65780
Surr: DNOP	98.8	51.1-141		%Rec	1	2/26/2022 1:46:46 AM	65780
EPA METHOD 8015D: GASOLINE 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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

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

Analytical Report
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 ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	2/26/2022 2:07:40 AM	65780
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	2/26/2022 2:07:40 AM	65780
Surr: DNOP	116	51.1-141		%Rec	1	2/26/2022 2:07:40 AM	65780
EPA METHOD 8015D: GASOLINE RANGE						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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
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 ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	250	91		mg/Kg	10	3/2/2022 12:50:42 AM	65780
Motor Oil Range Organics (MRO)	1000	460		mg/Kg	10	3/2/2022 12:50:42 AM	65780
Surr: DNOP	0	51.1-141	S	%Rec	10	3/2/2022 12:50:42 AM	65780
EPA METHOD 8015D: GASOLINE 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

Analytical Report
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 ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	1100	200		mg/Kg	20	3/2/2022 1:11:56 AM	65780
Motor Oil Range Organics (MRO)	2800	1000		mg/Kg	20	3/2/2022 1:11:56 AM	65780
Surr: DNOP	0	51.1-141	S	%Rec	20	3/2/2022 1:11:56 AM	65780
EPA METHOD 8015D: GASOLINE 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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
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 ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	630	190		mg/Kg	20	3/2/2022 1:33:03 AM	65780
Motor Oil Range Organics (MRO)	2400	930		mg/Kg	20	3/2/2022 1:33:03 AM	65780
Surr: DNOP	0	51.1-141	S	%Rec	20	3/2/2022 1:33:03 AM	65780
EPA METHOD 8015D: GASOLINE 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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
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 ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	66	9.7		mg/Kg	1	3/2/2022 12:47:29 PM	65780
Motor Oil Range Organics (MRO)	240	48		mg/Kg	1	3/2/2022 12:47:29 PM	65780
Surr: DNOP	102	51.1-141		%Rec	1	3/2/2022 12:47:29 PM	65780
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/26/2022 3:05:27 AM	65768
Surr: BFB	104	70-130		%Rec	1	2/26/2022 3:05:27 AM	65768
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.025		mg/Kg	1	2/26/2022 3:05:27 AM	65768
Toluene	ND	0.050		mg/Kg	1	2/26/2022 3:05:27 AM	65768
Ethylbenzene	ND	0.050		mg/Kg	1	2/26/2022 3:05:27 AM	65768
Xylenes, Total	ND	0.10		mg/Kg	1	2/26/2022 3:05:27 AM	65768
Surr: 4-Bromofluorobenzene	97.9	70-130		%Rec	1	2/26/2022 3:05:27 AM	65768

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

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

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

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: **lcs**	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: **lcs**	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 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

QC SUMMARY REPORT

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2202A50**

08-Mar-22

Client: GHD Midland

Project: Robinson B Federal 1

Sample ID: **lcs-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**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	106	78.6	131			
Surr: BFB	1200		1000		122	70	130			

Sample ID: **mb-65768**	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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

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

Client: GHD Midland
Project: Robinson B Federal 1

Sample ID: **LCS-65768**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **65768**	RunNo: **86121**
Prep Date: **2/23/2022**	Analysis Date: **2/25/2022**	SeqNo: **3034455** Units: **mg/Kg**

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**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **65768**	RunNo: **86121**
Prep Date: **2/23/2022**	Analysis Date: **2/25/2022**	SeqNo: **3034457** 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	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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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: 2202A50 | RcptNo: 1

Received By: Cheyenne Cason 2/23/2022 7:45:00 AM

Completed By: Sean Livingston 2/23/2022 9:06:20 AM

Reviewed By: JO 2/23/22

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 Yes ☑ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☑ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☑ No ☐
8. Was preservative added to bottles? Yes ☐ No ☑ NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes ☐ No ☐ NA ☑
10. Were any sample containers received broken? Yes ☐ No ☑
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes ☑ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
13. Is it clear what analyses were requested? Yes ☑ No ☐
14. Were all holding times able to be met? (If no, notify customer for authorization.) Yes ☑ No ☐

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

Adjusted? _____

Checked by: KPG 2/23/22

Special Handling (if applicable)

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

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good				
2	2.3	Good				

Released to Imaging: 1/17/2023 10:41:10 AM
Received by OCD: 12/19/2022 1:41:21 PM

Chain-of-Custody Record

Client: GHD

Mailing Address:

2135 S. Loop 250 W. Midland, TX 79703

Phone #: (432) 686-0086

email or Fax#: Becky.Haskell@ghd.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other_____

☐ EDD (Type) _____

Turn-Around Time:

☐ Standard ☒ Rush 5 Day

Project Name:

~~KCS~~ Robinson B Federal #1

Project #:

12574110

Project Manager:

Becky Haskell

Tom Larson

Sampler: Heath Boyd

On Ice: X Yes ☐ No

# of Coolers: 2 ~~6.7-0=6.7 cm~~

Cooler Temp(including CF): ~~6.3-0=6.3 cm~~

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2202A50 (2/23/22)	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Chloride 300 M
2/21/22	900	S	TP13-S	4oz. Jar/1	N/A	001	X	X								X
"	905	"	TP13-2	"	"	002	X	X								X
"	910	"	TP13-4	"	"	003	X	X								X
"	930	"	TP14-S	"	"	004	X	X								X
"	935	"	TP14-2	"	"	005	X	X								X
"	940	"	TP14-4	"	"	006	X	X								X
"	1020	"	TP15-3	"	"	007	X	X								X
"	1025	"	TP15-4	"	"	008	X	X								X
"	1030	"	TP15-8	"	"	009	X	X								X
"	1035	X	TP15-12	X	X	010	X	X								X

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
2/21/22	1600					
2/22/22	1900				2/22/22	800
			Chc Carr		2/23/22	0745

Remarks: Please email: Chase_Settle@eogresources.com; Tom.Larson@ghd.com; Zach.Comino@ghd.com; Heath.Boyd@ghd.com Along with Becky Haskell listed above.

1.0-0=1.0

2.3-0=2.3

Direct Bill to EOG Chase Settle

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

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

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 ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	5700	450		mg/Kg	50	2/25/2022 12:15:43 AM	65766
Motor Oil Range Organics (MRO)	5100	2300		mg/Kg	50	2/25/2022 12:15:43 AM	65766
Surr: DNOP	0	51.1-141	S	%Rec	50	2/25/2022 12:15:43 AM	65766
EPA METHOD 8015D: GASOLINE 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

Analytical Report
Lab Order **2202A39**
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 ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	3400	170		mg/Kg	20	2/28/2022 5:08:46 PM	65766
Motor Oil Range Organics (MRO)	1400	870		mg/Kg	20	2/28/2022 5:08:46 PM	65766
Surr: DNOP	0	51.1-141	S	%Rec	20	2/28/2022 5:08:46 PM	65766
EPA METHOD 8015D: GASOLINE 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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2202A39**
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 ORGANICS						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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2202A39**
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 ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	1300	170		mg/Kg	20	2/25/2022 12:47:39 AM	65766
Motor Oil Range Organics (MRO)	1500	840		mg/Kg	20	2/25/2022 12:47:39 AM	65766
Surr: DNOP	0	51.1-141	S	%Rec	20	2/25/2022 12:47:39 AM	65766
EPA METHOD 8015D: GASOLINE 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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

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 ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	3000	190		mg/Kg	20	2/25/2022 12:58:20 AM	65766
Motor Oil Range Organics (MRO)	2800	940		mg/Kg	20	2/25/2022 12:58:20 AM	65766
Surr: DNOP	0	51.1-141	S	%Rec	20	2/25/2022 12:58:20 AM	65766
EPA METHOD 8015D: GASOLINE 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

Analytical Report
Lab Order **2202A39**
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 ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	170	49		mg/Kg	5	3/1/2022 9:18:25 PM	65766
Motor Oil Range Organics (MRO)	320	240		mg/Kg	5	3/1/2022 9:18:25 PM	65766
Surr: DNOP	79.8	51.1-141		%Rec	5	3/1/2022 9:18:25 PM	65766
EPA METHOD 8015D: GASOLINE 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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2202A39**
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 ORGANICS						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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2202A39**
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 ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	1500	190		mg/Kg	20	3/2/2022 12:22:49 PM	65777
Motor Oil Range Organics (MRO)	2300	940		mg/Kg	20	3/2/2022 12:22:49 PM	65777
Surr: DNOP	0	51.1-141	S	%Rec	20	3/2/2022 12:22:49 PM	65777
EPA METHOD 8015D: GASOLINE 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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2202A39**
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 ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	2000	480		mg/Kg	50	3/1/2022 10:43:35 PM	65777
Motor Oil Range Organics (MRO)	4100	2400		mg/Kg	50	3/1/2022 10:43:35 PM	65777
Surr: DNOP	0	51.1-141	S	%Rec	50	3/1/2022 10:43:35 PM	65777
EPA METHOD 8015D: GASOLINE 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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2202A39**
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: **JMT**	
Chloride	ND	60		mg/Kg	20	3/1/2022 4:56:43 PM	65853
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	4800	480		mg/Kg	50	2/26/2022 3:30:52 AM	65777
Motor Oil Range Organics (MRO)	5100	2400		mg/Kg	50	2/26/2022 3:30:52 AM	65777
Surr: DNOP	0	51.1-141	S	%Rec	50	2/26/2022 3:30:52 AM	65777
EPA METHOD 8015D: GASOLINE 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

Analytical Report
Lab Order **2202A39**
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 ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	2100	470		mg/Kg	50	3/1/2022 11:04:48 PM	65777
Motor Oil Range Organics (MRO)	3400	2300		mg/Kg	50	3/1/2022 11:04:48 PM	65777
Surr: DNOP	0	51.1-141	S	%Rec	50	3/1/2022 11:04:48 PM	65777
EPA METHOD 8015D: GASOLINE 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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2202A39**
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 ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	9.2	7.7		mg/Kg	1	2/28/2022 6:05:11 PM	65777
Motor Oil Range Organics (MRO)	48	39		mg/Kg	1	2/28/2022 6:05:11 PM	65777
Surr: DNOP	117	51.1-141		%Rec	1	2/28/2022 6:05:11 PM	65777
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/24/2022 11:06:00 PM	65760
Surr: BFB	109	70-130		%Rec	1	2/24/2022 11:06:00 PM	65760
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.024		mg/Kg	1	2/24/2022 11:06:00 PM	65760
Toluene	ND	0.047		mg/Kg	1	2/24/2022 11:06:00 PM	65760
Ethylbenzene	ND	0.047		mg/Kg	1	2/24/2022 11:06:00 PM	65760
Xylenes, Total	ND	0.095		mg/Kg	1	2/24/2022 11:06:00 PM	65760
Surr: 4-Bromofluorobenzene	89.8	70-130		%Rec	1	2/24/2022 11:06:00 PM	65760

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

Qualifiers:

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

Analytical Report
Lab Order **2202A39**
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 ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	2/26/2022 4:12:25 AM	65777
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	2/26/2022 4:12:25 AM	65777
Surr: DNOP	151	51.1-141	S	%Rec	1	2/26/2022 4:12:25 AM	65777
EPA METHOD 8015D: GASOLINE 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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2202A39**
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: **JMT**	
Chloride	320	60		mg/Kg	20	3/1/2022 8:06:41 PM	65877
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2202A39**
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: **JMT**	
Chloride	ND	60		mg/Kg	20	3/1/2022 8:19:05 PM	65877
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	610	85		mg/Kg	10	2/26/2022 4:33:16 AM	65777
Motor Oil Range Organics (MRO)	1100	420		mg/Kg	10	2/26/2022 4:33:16 AM	65777
Surr: DNOP	0	51.1-141	S	%Rec	10	2/26/2022 4:33:16 AM	65777
EPA METHOD 8015D: GASOLINE 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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2202A39**
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 ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	140	94		mg/Kg	10	2/28/2022 7:04:55 PM	65777
Motor Oil Range Organics (MRO)	530	470		mg/Kg	10	2/28/2022 7:04:55 PM	65777
Surr: DNOP	0	51.1-141	S	%Rec	10	2/28/2022 7:04:55 PM	65777
EPA METHOD 8015D: GASOLINE RANGE						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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2202A39**
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 ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	2/26/2022 5:04:33 AM	65777
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	2/26/2022 5:04:33 AM	65777
Surr: DNOP	109	51.1-141		%Rec	1	2/26/2022 5:04:33 AM	65777
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/24/2022 11:50:59 PM	65765
Surr: BFB	105	70-130		%Rec	1	2/24/2022 11:50:59 PM	65765
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	2/24/2022 11:50:59 PM	65765
Toluene	ND	0.049		mg/Kg	1	2/24/2022 11:50:59 PM	65765
Ethylbenzene	ND	0.049		mg/Kg	1	2/24/2022 11:50:59 PM	65765
Xylenes, Total	ND	0.098		mg/Kg	1	2/24/2022 11:50:59 PM	65765
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	2/24/2022 11:50:59 PM	65765

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

Qualifiers:

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

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

Analytical Report
Lab Order **2202A39**
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: **JMT**	
Chloride	460	61		mg/Kg	20	3/1/2022 9:08:43 PM	65877
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	2/26/2022 5:25:32 AM	65777
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	2/26/2022 5:25:32 AM	65777
Surr: DNOP	117	51.1-141		%Rec	1	2/26/2022 5:25:32 AM	65777
EPA METHOD 8015D: GASOLINE RANGE						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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

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: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-65877**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **65877**	RunNo: **86175**							
Prep Date: **3/1/2022**	Analysis Date: **3/1/2022**	SeqNo: **3037343**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.0	90	110			

Sample ID: **MB-65853**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **65853**	RunNo: **86158**							
Prep Date: **3/1/2022**	Analysis Date: **3/1/2022**	SeqNo: **3037748**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-65853**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **65853**	RunNo: **86158**							
Prep Date: **3/1/2022**	Analysis Date: **3/1/2022**	SeqNo: **3037749**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	90.8	90	110			

Sample ID: **MB-65877**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **65877**	RunNo: **86214**							
Prep Date: **3/1/2022**	Analysis Date: **3/2/2022**	SeqNo: **3038866**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-65877**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **65877**	RunNo: **86214**							
Prep Date: **3/1/2022**	Analysis Date: **3/2/2022**	SeqNo: **3038867**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.2	90	110			

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

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

Client: GHD Midland
Project: Robinson B Federal 1

Sample ID: **LCS-65766**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **65766**	RunNo: **86063**
Prep Date: **2/23/2022**	Analysis Date: **2/24/2022**	SeqNo: **3033009** Units: **mg/Kg**

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**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **65766**	RunNo: **86063**
Prep Date: **2/23/2022**	Analysis Date: **2/24/2022**	SeqNo: **3033013** 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	9.6		10.00		95.5	51.1	141			

Sample ID: **LCS-65777**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **65777**	RunNo: **86122**
Prep Date: **2/24/2022**	Analysis Date: **2/25/2022**	SeqNo: **3034562** Units: **mg/Kg**

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			

Sample ID: **MB-65777**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **65777**	RunNo: **86122**
Prep Date: **2/24/2022**	Analysis Date: **2/25/2022**	SeqNo: **3034564** 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
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

QC SUMMARY REPORT
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								
Surr: BFB	1100		1000		108	70	130			

Sample ID: **lcs-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**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	103	78.6	131			
Surr: BFB	1200		1000		119	70	130			

Sample ID: **2202a39-014ams**	SampType: **MS**	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**

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

Sample ID: **2202a39-014amsd**	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**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	4.9	24.41	0	108	70	130	0.128	20	
Surr: BFB	1200		976.6		118	70	130	0	0	

Sample ID: **lcs-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**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	29	5.0	25.00	0	116	78.6	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

QC SUMMARY REPORT
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
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

QC SUMMARY REPORT
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: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		102	70	130			

Sample ID: **LCS-65765**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **65765**	RunNo: **86074**
Prep Date: **2/23/2022**	Analysis Date: **2/24/2022**	SeqNo: **3032859** 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	0.90	0.050	1.000	0	90.5	80	120			
Ethylbenzene	0.92	0.050	1.000	0	91.6	80	120			
Xylenes, Total	2.8	0.10	3.000	0	91.7	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		103	70	130			

Sample ID: **2202a39-015ams**	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
Benzene	0.90	0.024	0.9597	0	94.2	80	120			
Toluene	0.97	0.048	0.9597	0	101	80	120			
Ethylbenzene	0.99	0.048	0.9597	0.01129	102	80	120			
Xylenes, Total	3.0	0.096	2.879	0	103	80	120			
Surr: 4-Bromofluorobenzene	0.97		0.9597		101	70	130			

Sample ID: **2202a39-015amsd**	SampType: **MSD**	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: **3032863** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.83	0.024	0.9643	0	86.1	80	120	8.45	20	
Toluene	0.88	0.048	0.9643	0	91.4	80	120	9.09	20	
Ethylbenzene	0.90	0.048	0.9643	0.01129	92.0	80	120	9.84	20	
Xylenes, Total	2.7	0.096	2.893	0	93.4	80	120	8.96	20	
Surr: 4-Bromofluorobenzene	0.97		0.9643		101	70	130	0	0	

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

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

Client: GHD Midland
Project: Robinson B Federal 1

Sample ID: **lcs-65760**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **65760**	RunNo: **86093**
Prep Date: **2/23/2022**	Analysis Date: **2/24/2022**	SeqNo: **3033667** Units: **mg/Kg**

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**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **65760**	RunNo: **86093**
Prep Date: **2/23/2022**	Analysis Date: **2/24/2022**	SeqNo: **3033669** 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
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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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: 2202A39 | RcptNo: 1

Received By: Cheyenne Cason 2/23/2022 7:45:00 AM

Completed By: Sean Livingston 2/23/2022 8:18:46 AM

Reviewed By: JO 2/23/22

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 Yes ☑ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☑ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☑ No ☐
8. Was preservative added to bottles? Yes ☐ No ☑ NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes ☐ No ☐ NA ☑
10. Were any sample containers received broken? Yes ☐ No ☑
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes ☑ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
13. Is it clear what analyses were requested? Yes ☑ No ☐
14. Were all holding times able to be met? (If no, notify customer for authorization.) Yes ☑ No ☐

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

Adjusted? _____

Checked by: KPG 2/23/22

Special Handling (if applicable)

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

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good				
2	2.3	Good				

Released to Imaging: 1/17/2023 10:41:10 AM
Received by OCD: 12/19/2022 1:41:21 PM

Chain-of-Custody Record

Client: GHD

Mailing Address:

2135 S. Loop 250 W. Midland, TX 79703

Phone #: (432) 686-0086

email or Fax#: Becky.Haskell@ghd.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other_____

☐ EDD (Type) _____

Turn-Around Time:

☐ Standard ☒ Rush 5 Day

Project Name:

Robinson B Federal #1

Project #:

12574110

Project Manager:

Becky Haskell

Tom Larson

Sampler: Heath Boyd

On Ice: X Yes ☐ No

# of Coolers: 2 ~~6.7-0=6.7~~ Cmc

Cooler Temp(including CF): ~~6.3-0=6.3~~ Cmc 2/23/22

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2202A39	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Chloride 300 M
2/17	935	S	TP1-4	4oz Jar/1	N/A	001	X	X								X
"	945	"	TP1-12	"	"	002	X	X								X
"	955	"	TP1-19	"	"	003	X	X								X
"	1045	"	TP2-2	"	"	004	X	X								X
"	1050	"	TP2-8	"	"	005	X	X								X
"	1055	"	TP2-10	"	"	006	X	X								X
"	1230	"	TP3-5	"	"	007	X	X								X
"	1235	"	TP3-2	"	"	008	X	X								X
"	1240	"	TP3-4	"	"	009	X	X								X
"	1320	"	TP4-4	"	"	010	X	X								X
"	1325	"	TP4-12	"	"	011	X	X								X
X	1330	X	TP4-16	X	X	012	X	X								X

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
2/17/22	1730				2/22/22	800
2/22/22	900		Cmc courier		2/23/22	0745

Remarks: Please email: Chase_Settle@eogresources.com; Tom.Larson@ghd.com; Zach.Comino@ghd.com; Heath.Boyd@ghd.com Along with Becky Haskell listed above.

1.0-0=1.0

2.3-0=2.3

Direct Bill to EOG Chase Settle

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

Released to Imaging: 1/17/2023 10:41:10 AM
Received by OCD: 12/19/2022 1:41:21 PM

Chain-of-Custody Record

Client: GHD

Mailing Address:

2135 S. Loop 250 W. Midland, TX 79703

Phone #: (432) 686-0086

email or Fax#: Becky.Haskell@ghd.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:

☑ Standard ☒ Rush 5 Days

Project Name:

Robinson B Federal # 1

Project #:

12574110

Project Manager:

Becky Haskell

Tom Larson

Sampler: Heath Boyd

On Ice: X Yes ☐ No

# of Coolers: 2 1.0-0=1.0

Cooler Temp(including CF): 2.3-0=2.3

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Chloride 300 M
2/17	1400	S	TPS-S	4oz Jar/1	N/A	013	X	X								X
"	1405	"	TPS-2	"	"	014	X	X								X
"	1410	"	TPS-4	"	"	015	X	X								X
"	1415	"	TPS-6	"	"	016	X	X								X
"	1450	"	TP6-2	"	"	017	X	X								X
	1455		TP6-4			018	X	X								X
X	1500	X	TP6-6	X	X	019	X	X								X

Analysis Request

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
2/17/22	1730				2/22/22	800
2/22/22	1900		One Comm		2/23/22	0745

Remarks: Please email: Chase_Settle@eogresources.com; Tom.Larson@ghd.com; Zach.Comino@ghd.com; Heath.Boyd@ghd.com Along with Becky Haskell listed above.

Direct Bill to EOG Chase Settle

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2202945**
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 ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	6700	480		mg/Kg	50	2/23/2022 2:34:42 PM	65707
Motor Oil Range Organics (MRO)	5600	2400		mg/Kg	50	2/23/2022 2:34:42 PM	65707
Surr: DNOP	0	51.1-141	S	%Rec	50	2/23/2022 2:34:42 PM	65707
EPA METHOD 8015D: GASOLINE RANGE						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

Analytical Report
Lab Order **2202945**
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 ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	2/23/2022 2:56:06 PM	65707
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/23/2022 2:56:06 PM	65707
Surr: DNOP	96.0	51.1-141		%Rec	1	2/23/2022 2:56:06 PM	65707
EPA METHOD 8015D: GASOLINE RANGE						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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2202945**
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 ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	2/23/2022 3:06:55 PM	65707
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/23/2022 3:06:55 PM	65707
Surr: DNOP	98.5	51.1-141		%Rec	1	2/23/2022 3:06:55 PM	65707
EPA METHOD 8015D: GASOLINE 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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2202945**
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 ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	2/23/2022 3:17:43 PM	65707
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	2/23/2022 3:17:43 PM	65707
Surr: DNOP	95.3	51.1-141		%Rec	1	2/23/2022 3:17:43 PM	65707
EPA METHOD 8015D: GASOLINE RANGE						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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2202945**
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 ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	2/23/2022 3:28:30 PM	65707
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/23/2022 3:28:30 PM	65707
Surr: DNOP	98.7	51.1-141		%Rec	1	2/23/2022 3:28:30 PM	65707
EPA METHOD 8015D: GASOLINE RANGE						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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2202945**
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 ORGANICS						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

Analytical Report
Lab Order **2202945**
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 ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	2/23/2022 3:50:17 PM	65707
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	2/23/2022 3:50:17 PM	65707
Surr: DNOP	100	51.1-141		%Rec	1	2/23/2022 3:50:17 PM	65707
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	2/24/2022 3:15:41 AM	65698
Surr: BFB	101	70-130		%Rec	1	2/24/2022 3:15:41 AM	65698
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.023		mg/Kg	1	2/24/2022 3:15:41 AM	65698
Toluene	ND	0.046		mg/Kg	1	2/24/2022 3:15:41 AM	65698
Ethylbenzene	ND	0.046		mg/Kg	1	2/24/2022 3:15:41 AM	65698
Xylenes, Total	ND	0.093		mg/Kg	1	2/24/2022 3:15:41 AM	65698
Surr: 4-Bromofluorobenzene	95.6	70-130		%Rec	1	2/24/2022 3:15:41 AM	65698

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

Qualifiers:

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

Analytical Report
Lab Order **2202945**
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 ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	3500	460		mg/Kg	50	2/23/2022 4:01:15 PM	65707
Motor Oil Range Organics (MRO)	4600	2300		mg/Kg	50	2/23/2022 4:01:15 PM	65707
Surr: DNOP	0	51.1-141	S	%Rec	50	2/23/2022 4:01:15 PM	65707
EPA METHOD 8015D: GASOLINE 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

Analytical Report
Lab Order **2202945**
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 ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	2/23/2022 4:12:09 PM	65707
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	2/23/2022 4:12:09 PM	65707
Surr: DNOP	109	51.1-141		%Rec	1	2/23/2022 4:12:09 PM	65707
EPA METHOD 8015D: GASOLINE RANGE						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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2202945**
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 ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	510	180		mg/Kg	20	2/28/2022 3:47:47 PM	65707
Motor Oil Range Organics (MRO)	1400	900		mg/Kg	20	2/28/2022 3:47:47 PM	65707
Surr: DNOP	0	51.1-141	S	%Rec	20	2/28/2022 3:47:47 PM	65707
EPA METHOD 8015D: GASOLINE 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

Analytical Report
Lab Order **2202945**
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: **JMT**	
Chloride	140	60		mg/Kg	20	2/28/2022 1:24:02 PM	65834
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	550	48		mg/Kg	5	2/25/2022 3:52:03 PM	65707
Motor Oil Range Organics (MRO)	1100	240		mg/Kg	5	2/25/2022 3:52:03 PM	65707
Surr: DNOP	75.9	51.1-141		%Rec	5	2/25/2022 3:52:03 PM	65707
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	2/24/2022 4:47:56 AM	65698
Surr: BFB	101	70-130		%Rec	5	2/24/2022 4:47:56 AM	65698
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.12		mg/Kg	5	2/24/2022 4:47:56 AM	65698
Toluene	ND	0.24		mg/Kg	5	2/24/2022 4:47:56 AM	65698
Ethylbenzene	ND	0.24		mg/Kg	5	2/24/2022 4:47:56 AM	65698
Xylenes, Total	ND	0.49		mg/Kg	5	2/24/2022 4:47:56 AM	65698
Surr: 4-Bromofluorobenzene	95.0	70-130		%Rec	5	2/24/2022 4:47:56 AM	65698

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

Qualifiers:

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

Analytical Report
Lab Order **2202945**
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 ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	840	47		mg/Kg	5	2/25/2022 4:45:29 PM	65729
Motor Oil Range Organics (MRO)	990	240		mg/Kg	5	2/25/2022 4:45:29 PM	65729
Surr: DNOP	105	51.1-141		%Rec	5	2/25/2022 4:45:29 PM	65729
EPA METHOD 8015D: GASOLINE 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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2202945**
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 ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	460	190		mg/Kg	20	2/25/2022 2:47:28 PM	65729
Motor Oil Range Organics (MRO)	1400	960		mg/Kg	20	2/25/2022 2:47:28 PM	65729
Surr: DNOP	0	51.1-141	S	%Rec	20	2/25/2022 2:47:28 PM	65729
EPA METHOD 8015D: GASOLINE 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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2202945**
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 ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	1300	190		mg/Kg	20	2/28/2022 1:05:37 PM	65729
Motor Oil Range Organics (MRO)	1400	970		mg/Kg	20	2/28/2022 1:05:37 PM	65729
Surr: DNOP	0	51.1-141	S	%Rec	20	2/28/2022 1:05:37 PM	65729
EPA METHOD 8015D: GASOLINE RANGE						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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2202945**
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: **JMT**	
Chloride	ND	60		mg/Kg	20	2/28/2022 2:13:41 PM	65834
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2202945**
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: **JMT**	
Chloride	1500	60		mg/Kg	20	2/28/2022 4:04:24 PM	65839
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	62	46		mg/Kg	5	2/25/2022 3:41:17 PM	65729
Motor Oil Range Organics (MRO)	310	230		mg/Kg	5	2/25/2022 3:41:17 PM	65729
Surr: DNOP	71.8	51.1-141		%Rec	5	2/25/2022 3:41:17 PM	65729
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	2/22/2022 6:18:19 PM	65708
Surr: BFB	110	70-130		%Rec	5	2/22/2022 6:18:19 PM	65708
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.12		mg/Kg	5	2/22/2022 6:18:19 PM	65708
Toluene	ND	0.24		mg/Kg	5	2/22/2022 6:18:19 PM	65708
Ethylbenzene	ND	0.24		mg/Kg	5	2/22/2022 6:18:19 PM	65708
Xylenes, Total	ND	0.48		mg/Kg	5	2/22/2022 6:18:19 PM	65708
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	5	2/22/2022 6:18:19 PM	65708

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

Qualifiers:

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

QC SUMMARY REPORT

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: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-65839**	SampType: **lcs**	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: **lcs**	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 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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

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

Client: GHD Midland
Project: Robinson B Federal 1

Sample ID: **LCS-65707** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **65707** RunNo: **86029**
Prep Date: **2/22/2022** Analysis Date: **2/23/2022** SeqNo: **3032026** Units: **mg/Kg**

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** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **65729** RunNo: **86029**
Prep Date: **2/22/2022** Analysis Date: **2/23/2022** SeqNo: **3032027** Units: **mg/Kg**

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** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS** Batch ID: **65707** RunNo: **86029**
Prep Date: **2/22/2022** Analysis Date: **2/23/2022** SeqNo: **3032029** 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	9.8		10.00		97.7	51.1	141			

Sample ID: **MB-65729** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS** Batch ID: **65729** RunNo: **86029**
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			

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

QC SUMMARY REPORT
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 8015D: Gasoline Range**							
Client ID: **PBS**	Batch ID: **65708**	RunNo: **85980**							
Prep Date: **2/21/2022**	Analysis Date: **2/22/2022**	SeqNo: **3029874**	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			

Sample ID: **lcs-65708**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **LCSS**	Batch ID: **65708**	RunNo: **85980**							
Prep Date: **2/21/2022**	Analysis Date: **2/22/2022**	SeqNo: **3029875**	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	109	78.6	131			
Surr: BFB	1200		1000		119	70	130			

Sample ID: **2202945-012ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **TP11-4**	Batch ID: **65708**	RunNo: **85980**							
Prep Date: **2/21/2022**	Analysis Date: **2/22/2022**	SeqNo: **3029877**	Units: **mg/Kg**						
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: **2202945-012amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **TP11-4**	Batch ID: **65708**	RunNo: **85980**							
Prep Date: **2/21/2022**	Analysis Date: **2/22/2022**	SeqNo: **3029878**	Units: **mg/Kg**						
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**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **PBS**	Batch ID: **65698**	RunNo: **86042**							
Prep Date: **2/21/2022**	Analysis Date: **2/23/2022**	SeqNo: **3031479**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		109	70	130			

Sample ID: **lcs-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

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

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

Client: GHD Midland
Project: Robinson B Federal 1

Sample ID: **lcs-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
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

QC SUMMARY REPORT
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**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		99.8	70	130			

Sample ID: **LCS-65708**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **65708**	RunNo: **85980**
Prep Date: **2/21/2022**	Analysis Date: **2/22/2022**	SeqNo: **3029921** Units: **mg/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**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **TP12-5**	Batch ID: **65708**	RunNo: **85980**
Prep Date: **2/21/2022**	Analysis Date: **2/22/2022**	SeqNo: **3029924** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.78	0.12	0.9615	0	81.1	80	120			
Toluene	0.84	0.24	0.9615	0	87.0	80	120			
Ethylbenzene	0.85	0.24	0.9615	0	88.2	80	120			
Xylenes, Total	2.6	0.48	2.885	0	88.6	80	120			
Surr: 4-Bromofluorobenzene	5.0		4.808		103	70	130			

Sample ID: **2202945-013amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **TP12-5**	Batch ID: **65708**	RunNo: **85980**
Prep Date: **2/21/2022**	Analysis Date: **2/22/2022**	SeqNo: **3029925** 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	
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:

*	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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2202945**

08-Mar-22

Client: GHD Midland

Project: Robinson B Federal 1

Sample ID: **mb-65698** SampType: **MBLK** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **PBS** Batch ID: **65698** RunNo: **86042**

Prep Date: **2/21/2022** Analysis Date: **2/23/2022** SeqNo: **3031526** 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	1.0		1.000		100	70	130			

Sample ID: **LCS-65698** SampType: **LCS** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **LCSS** Batch ID: **65698** RunNo: **86042**

Prep Date: **2/21/2022** Analysis Date: **2/23/2022** SeqNo: **3031527** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	93.0	80	120			
Toluene	0.97	0.050	1.000	0	97.3	80	120			
Ethylbenzene	0.98	0.050	1.000	0	98.2	80	120			
Xylenes, Total	3.0	0.10	3.000	0	100	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		105	70	130			

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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: 2202945 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: KPA 2/19/22

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	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

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

Adjusted? _____

Checked by: JR 2/19/22

Special Handling (if applicable)

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

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.7	Good				
2	2.0	Good				

Released to Imaging: 1/17/2023 10:41:10 AM
Received by OCD: 12/19/2022 11:11:21 PM

Chain-of-Custody Record

Client: GHD

Mailing Address:

2135 S. Loop 250 W. Midland, TX 79703

Phone #: (432) 686-0086

email or Fax#: Becky.Haskell@ghd.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other_____

☐ EDD (Type) _____

Turn-Around Time:

☑ Standard ☒ Rush 5 Days

Project Name:

Robinson B Federal #1

Project #:

12574110

Project Manager:

Becky Haskell

Tom Larson

Sampler: Heath Boyd

On Ice: (X) Yes ☐ No

# of Coolers: 2

Cooler Temp(including CF): 1.8-0.1=1.7 2.1-0.1=2.0

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2202945	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Chloride 300 M
2/18/22	855	S	TP7-S	4oz. Jar/1	N/A	001	X	X								X
	900		TP7-2			002	X	X								X
	905		TP7-4			003	X	X								X
	915		TP8-2			004	X	X								X
	920		TP8-4			005	X	X								X
	925		TP9-S			006	X	X								X
	935		TP9-2			007	X	X								X
	940		TP10-S			008	X	X								X
	955		TP10-2			009	X	X								X
	1000		TP11-S			010	X	X								X
	1020		TP11-2			011	X	X								X
X	1025	X	TP11-4	X	X	012	X	X								X

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
2/18/22	1500	~~[signature]~~	[signature]		2/18/22	1500
2/18/22	1900	[signature]	[signature]	courier	2/19/22	8:20

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

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

Released to Imaging: 1/17/2023 10:41:10 AM
Received by OCD: 12/19/2022 1:41:21 PM

Chain-of-Custody Record

Client: GHD

Mailing Address:

2135 S. Loop 250 W. Midland, TX 79703

Phone #: (432) 686-0086

email or Fax#: Becky.Haskell@ghd.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:

☑ Standard ☐ Rush 5 Day

Project Name: Robinson B Federal #1

Project #: 12574110

Project Manager:
Becky Haskell
Tom Larson

Sampler: Heath Boyd

On Ice: (X) Yes ☐ No

# of Coolers: 2

Cooler Temp(including CF): 1.8-0.1=1.7 2.1-0.1=2.0

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

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Chloride 300 M
2/18/22	1120	S	TP12-S	4oz Jar/1	N/A	013	X	X								X
"	1125	"	TP12-4	"	"	014	X	X								X
"	1130	"	TP12-6	"	"	015	X	X								X
2/18/22	9:15		TP8-5			016										
			Per Client MPG 2/21/22													

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

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
2/18/22	1500				2/18/22	1500
2/18/22	1900				2/19/22	8:20

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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
4901 Hawkins NE
Albuquerque, NM 87109

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

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

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

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

Analytical Report
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 ORGANICS						Analyst: **ED**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	3/30/2022 6:06:44 PM	66474
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/30/2022 6:06:44 PM	66474
Surr: DNOP	119	51.1-141		%Rec	1	3/30/2022 6:06:44 PM	66474
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/29/2022 4:00:22 PM	66414
Surr: BFB	98.1	37.7-212		%Rec	1	3/29/2022 4:00:22 PM	66414
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.023		mg/Kg	1	3/29/2022 4:00:22 PM	66414
Toluene	ND	0.047		mg/Kg	1	3/29/2022 4:00:22 PM	66414
Ethylbenzene	ND	0.047		mg/Kg	1	3/29/2022 4:00:22 PM	66414
Xylenes, Total	ND	0.094		mg/Kg	1	3/29/2022 4:00:22 PM	66414
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	3/29/2022 4:00:22 PM	66414

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

Qualifiers:

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

Analytical Report
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 ORGANICS						Analyst: **ED**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	3/30/2022 6:31:05 PM	66474
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	3/30/2022 6:31:05 PM	66474
Surr: DNOP	141	51.1-141		%Rec	1	3/30/2022 6:31:05 PM	66474
EPA METHOD 8015D: GASOLINE RANGE						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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

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

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

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

Analytical Report
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 ORGANICS						Analyst: **ED**	
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	3/30/2022 8:08:41 PM	66474
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	3/30/2022 8:08:41 PM	66474
Surr: DNOP	112	51.1-141		%Rec	1	3/30/2022 8:08:41 PM	66474
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	3/29/2022 5:57:58 PM	66414
Surr: BFB	99.3	37.7-212		%Rec	1	3/29/2022 5:57:58 PM	66414
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.023		mg/Kg	1	3/29/2022 5:57:58 PM	66414
Toluene	ND	0.046		mg/Kg	1	3/29/2022 5:57:58 PM	66414
Ethylbenzene	ND	0.046		mg/Kg	1	3/29/2022 5:57:58 PM	66414
Xylenes, Total	ND	0.093		mg/Kg	1	3/29/2022 5:57:58 PM	66414
Surr: 4-Bromofluorobenzene	97.4	70-130		%Rec	1	3/29/2022 5:57:58 PM	66414

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

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2203D57**

05-Apr-22

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: **lcs**	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
Chloride	14	1.5	15.00	0	91.7	90	110			

Sample ID: **LCS-66531**	SampType: **lcs**	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

QC SUMMARY REPORT

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**
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								
Surr: DNOP	9.7		10.00		97.2	51.1	141			

Qualifiers:

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

QC SUMMARY REPORT

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: **lcs-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**

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

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

QC SUMMARY REPORT
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**						
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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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: SCC 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	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by: JM 3/25/22

Special Handling (if applicable)

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

Person Notified: Date:

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.9	Good				
2	1.6	Good				
3	2.8	Good				

Released to Imaging: 1/17/2023 10:41:10 AM

Received by OCD: 12/19/2022 1:41:21 PM

Chain-of-Custody Record

Client: GHD

Mailing Address: 324 W. Main St. Suite 108, Artesia NM 88210

Phone #: (505)377-4218

email or Fax#: Becky.Haskell@ghd.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☐ Standard ☒ Rush 5-dy

Project Name: Robinson B Federal #1

Project #: 12574110

Project Manager:
Becky Haskell
Tom Larson

Sampler: Zach Comino

On Ice: X Yes ☐ No

# of Coolers: 3

Cooler Temp(including CF): See Bench

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2203D57	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chloride Method 300
03/24/22	0730	S	TP19-S	Jar		-001	X	X									X
	0735		TP19-2			-002											
	0750		TP20-S			-003											
	0755		TP20-2			-004											
	0810		TP21-S			-005											
	0815		TP21-2			-006											
	0830		TP22-S			-007											
	0840		TP22-2			-008											
	0850		TP23-S			-009											
	0900		TP23-2			-010											

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
03/24/22	1300	Zach Comino			3/24/22	1300
3/24/22	1900					

Received by: Via: Date Time
One Call 3/25/22 0723

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

2.9-0=2.9
1.6-0=1.6
2.8-0=2.8

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2203D53**
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 ORGANICS						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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2203D53**
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 ORGANICS						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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2203D53**
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 ORGANICS						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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2203D53**
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						Analyst:	**CAS**
Chloride	190	60		mg/Kg	20	3/25/2022 4:47:33 PM	66406
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**SB**
Diesel Range Organics (DRO)	1200	45		mg/Kg	5	3/28/2022 7:48:02 PM	66403
Motor Oil Range Organics (MRO)	580	220		mg/Kg	5	3/28/2022 7:48:02 PM	66403
Surr: DNOP	68.9	51.1-141		%Rec	5	3/28/2022 7:48:02 PM	66403
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**BRM**
Gasoline Range Organics (GRO)	270	62		mg/Kg	20	3/25/2022 5:37:00 PM	C86769
Surr: BFB	205	37.7-212		%Rec	20	3/25/2022 5:37:00 PM	C86769
EPA METHOD 8021B: VOLATILES						Analyst:	**BRM**
Benzene	0.87	0.31		mg/Kg	20	3/25/2022 5:37:00 PM	D86769
Toluene	3.6	0.62		mg/Kg	20	3/25/2022 5:37:00 PM	D86769
Ethylbenzene	7.9	0.62		mg/Kg	20	3/25/2022 5:37:00 PM	D86769
Xylenes, Total	9.4	1.2		mg/Kg	20	3/25/2022 5:37:00 PM	D86769
Surr: 4-Bromofluorobenzene	108	70-130		%Rec	20	3/25/2022 5:37:00 PM	D86769

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

Qualifiers:

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

Analytical Report
Lab Order **2203D53**
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 ORGANICS						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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: TP2-14
Project: Robinson B Federal 1
Collection Date: 3/23/2022 9:45:00 AM
Lab ID: 2203D53-007 **Matrix:** SOIL **Received 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 ORGANICS						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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: TP2-16
Project: Robinson B Federal 1
Collection Date: 3/23/2022 9:55:00 AM
Lab ID: 2203D53-008 **Matrix:** SOIL **Received 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 ORGANICS						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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

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

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

Analytical Report
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: **JMT**	
Chloride	130	60		mg/Kg	20	3/31/2022 4:14:33 PM	66517
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
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

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 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	240		mg/Kg	5	3/31/2022 2:44:47 PM	66452
Surr: DNOP	93.4	51.1-141		%Rec	5	3/31/2022 2:44:47 PM	66452
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/29/2022 1:27:00 AM	66412
Surr: BFB	104	37.7-212		%Rec	1	3/29/2022 1:27:00 AM	66412
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**	
Benzene	ND	0.024		mg/Kg	1	3/29/2022 1:27:00 AM	66412
Toluene	ND	0.049		mg/Kg	1	3/29/2022 1:27:00 AM	66412
Ethylbenzene	ND	0.049		mg/Kg	1	3/29/2022 1:27:00 AM	66412
Xylenes, Total	ND	0.097		mg/Kg	1	3/29/2022 1:27:00 AM	66412
Surr: 4-Bromofluorobenzene	85.2	70-130		%Rec	1	3/29/2022 1:27:00 AM	66412

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

Qualifiers:

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

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

Hall Environmental Analysis Laboratory, Inc.

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

Analytical Report
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 ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	4/1/2022 12:14:20 PM	66452
Motor Oil Range Organics (MRO)	76	49		mg/Kg	1	4/1/2022 12:14:20 PM	66452
Surr: DNOP	119	51.1-141		%Rec	1	4/1/2022 12:14:20 PM	66452
EPA METHOD 8015D: GASOLINE 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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

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

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
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

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 7:58:21 PM	66531
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	3/29/2022 11:41:51 PM	66452
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/29/2022 11:41:51 PM	66452
Surr: DNOP	77.4	51.1-141		%Rec	1	3/29/2022 11:41:51 PM	66452
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/29/2022 4:25:00 AM	66412
Surr: BFB	103	37.7-212		%Rec	1	3/29/2022 4:25:00 AM	66412
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**	
Benzene	ND	0.025		mg/Kg	1	3/29/2022 4:25:00 AM	66412
Toluene	ND	0.050		mg/Kg	1	3/29/2022 4:25:00 AM	66412
Ethylbenzene	ND	0.050		mg/Kg	1	3/29/2022 4:25:00 AM	66412
Xylenes, Total	ND	0.10		mg/Kg	1	3/29/2022 4:25:00 AM	66412
Surr: 4-Bromofluorobenzene	85.5	70-130		%Rec	1	3/29/2022 4:25:00 AM	66412

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

Qualifiers:

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

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

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

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

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
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

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 9:37:38 PM	66531
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **ED**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	3/30/2022 12:03:44 PM	66474
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/30/2022 12:03:44 PM	66474
Surr: DNOP	118	51.1-141		%Rec	1	3/30/2022 12:03:44 PM	66474
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/29/2022 9:12:51 AM	66414
Surr: BFB	95.2	37.7-212		%Rec	1	3/29/2022 9:12:51 AM	66414
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	3/29/2022 9:12:51 AM	66414
Toluene	ND	0.048		mg/Kg	1	3/29/2022 9:12:51 AM	66414
Ethylbenzene	ND	0.048		mg/Kg	1	3/29/2022 9:12:51 AM	66414
Xylenes, Total	ND	0.096		mg/Kg	1	3/29/2022 9:12:51 AM	66414
Surr: 4-Bromofluorobenzene	96.9	70-130		%Rec	1	3/29/2022 9:12:51 AM	66414

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

Qualifiers:

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

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

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

QC SUMMARY REPORT

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: **lcs**	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: **lcs**	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: **lcs**	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

QC SUMMARY REPORT
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 Organics**
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	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 Organics**
Client ID: **PBS**	Batch ID: **66403**	RunNo: **86774**
Prep Date: **3/25/2022**	Analysis Date: **3/25/2022**	SeqNo: **3064239** Units: **mg/Kg**

Analyte	Result	PQL	SPK 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 8015M/D: Diesel Range Organics**
Client ID: **TP3-19**	Batch ID: **66403**	RunNo: **86781**
Prep Date: **3/25/2022**	Analysis Date: **3/28/2022**	SeqNo: **3065103** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	1300	43	42.66	1194	315	36.1	154			S
Surr: DNOP	0.63		4.266		14.7	51.1	141			S

Sample ID: **2203D53-004AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **TP3-19**	Batch ID: **66403**	RunNo: **86781**
Prep Date: **3/25/2022**	Analysis Date: **3/28/2022**	SeqNo: **3065104** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK 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**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **66452**	RunNo: **86803**
Prep Date: **3/28/2022**	Analysis Date: **3/29/2022**	SeqNo: **3066792** Units: **mg/Kg**

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

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								
Surr: DNOP	9.7		10.00		97.2	51.1	141			

Sample ID: **2203D53-023AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **TP17-8**	Batch ID: **66474**	RunNo: **86904**							
Prep Date: **3/29/2022**	Analysis Date: **3/31/2022**	SeqNo: **3070210**	Units: **mg/Kg**						
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			

Sample ID: **2203D53-023AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **TP17-8**	Batch ID: **66474**	RunNo: **86904**							
Prep Date: **3/29/2022**	Analysis Date: **3/31/2022**	SeqNo: **3070211**	Units: **mg/Kg**						
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:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

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

Client: GHD Midland
Project: Robinson B Federal 1

Sample ID: **2.5ug gro lcs**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **LCSS**	Batch ID: **C86769**	RunNo: **86769**							
Prep Date:	Analysis Date: **3/25/2022**	SeqNo: **3064025**	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	72.3	137			
Surr: BFB	2100		1000		215	37.7	212			S

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **PBS**	Batch ID: **C86769**	RunNo: **86769**							
Prep Date:	Analysis Date: **3/25/2022**	SeqNo: **3064026**	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	1000		1000		101	37.7	212			

Sample ID: **lcs-66412**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **LCSS**	Batch ID: **66412**	RunNo: **86795**							
Prep Date: **3/25/2022**	Analysis Date: **3/28/2022**	SeqNo: **3065000**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	31	5.0	25.00	0	124	72.3	137			
Surr: BFB	2300		1000		231	37.7	212			S

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

Sample ID: **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: **lcs-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**						
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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

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

Client: GHD Midland
Project: Robinson B Federal 1

Sample ID: **lcs-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**

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

Sample ID: **2203d53-023ams**	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
Gasoline Range Organics (GRO)	26	5.0	24.80	0	107	70	130			
Surr: BFB	2000		992.1		199	37.7	212			

Sample ID: **2203d53-023amsd**	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**

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

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

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

Client: GHD Midland
Project: Robinson B Federal 1

Sample ID: **100ng btex lcs** SampType: **LCS** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS** Batch ID: **D86769** RunNo: **86769**
Prep Date: Analysis Date: **3/25/2022** SeqNo: **3064035** 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	0.10	3.000	0	91.9	80	120			
Surr: 4-Bromofluorobenzene	0.88		1.000		88.3	70	130			

Sample ID: **mb** SampType: **MBLK** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS** Batch ID: **D86769** RunNo: **86769**
Prep Date: Analysis Date: **3/25/2022** SeqNo: **3064036** 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** SampType: **MS** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **TP3-19** Batch ID: **D86769** RunNo: **86769**
Prep Date: Analysis Date: **3/25/2022** SeqNo: **3064040** Units: **mg/Kg**

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 MSD** SampType: **MSD** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **TP3-19** Batch ID: **D86769** RunNo: **86769**
Prep Date: Analysis Date: **3/25/2022** SeqNo: **3064041** Units: **mg/Kg**

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
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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

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

Client: GHD Midland
Project: Robinson B Federal 1

Sample ID: **lcs-66412**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **66412**	RunNo: **86795**
Prep Date: **3/25/2022**	Analysis Date: **3/28/2022**	SeqNo: **3065042** 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		1.000		85.8	70	130			

Sample ID: **mb-66412**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **66412**	RunNo: **86795**
Prep Date: **3/25/2022**	Analysis Date: **3/28/2022**	SeqNo: **3065043** 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	0.87		1.000		86.9	70	130			

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**

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

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

Client: GHD Midland
Project: Robinson B Federal 1

Sample ID: **2203d53-024ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **TP17-10**	Batch ID: **66414**	RunNo: **86824**
Prep Date: **3/25/2022**	Analysis Date: **3/29/2022**	SeqNo: **3066242** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.79	0.024	0.9756	0	81.2	68.8	120			
Toluene	0.83	0.049	0.9756	0	85.6	73.6	124			
Ethylbenzene	0.85	0.049	0.9756	0.01077	85.7	72.7	129			
Xylenes, Total	2.6	0.098	2.927	0	87.4	75.7	126			
Surr: 4-Bromofluorobenzene	0.99		0.9756		101	70	130			

Sample ID: **2203d53-024amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **TP17-10**	Batch ID: **66414**	RunNo: **86824**
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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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: **2203D53** RcptNo: **1**

Received By: **Cheyenne Cason** **3/25/2022 7:23:00 AM** Chel

Completed By: **Cheyenne Cason** **3/25/2022 7:56:38 AM** Chel

Reviewed By: SCA 3/25/22

Chain of Custody

1. Is Chain of Custody complete? Yes ☑ No ☐ Not Present ☐
2. How was the sample delivered? Client

Log In

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

# of preserved bottles checked for pH: (<2 or >12 unless noted)
Adjusted?
Checked by: JR 3/25/22

Special Handling (if applicable)

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

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

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.9	Good	Not Present			
2	1.6	Good	Not Present			
3	2.8	Good	Not Present			

Released to Imaging: 1/17/2023 10:41:10 AM

Received by OCD: 12/19/2022 1:41:21 PM

1 of 3

Chain-of-Custody Record

Client: GHD

Mailing Address: 324 W. Main St. Suite 108, Artesia NM 88210

Phone #: (505)377-4218

email or Fax#: Becky.Haskell@ghd.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time: 24 hr rush on TP3-17 + TP2-20
☒ Standard ☐ Rush 5-day

Project Name: Robinson B Federal #1

Project #: 12574110

Project Manager:
Becky Haskell
Tom Larson

Sampler: Zach Comino

On Ice: X Yes ☐ No

# of Coolers: 3 2.9-0=2.9

Cooler Temp(including CF): 1.6-0=1.6 2.8-0=2.8

HEAL No. 2203053

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chloride Method 300	Hold Samples	24 hr Rush			
03232	0745	S	TP3-8	Jar		001	X	X									X					
	0755		TP3-12			002																
	0810		TP3-16			003																
	0835		TP3-18			004													X			
	0900		TP5-8			005																
	0905		TP5-12			006												X				
	0945		TP2-14			007																
	0955		TP2-16			008																
	1015		TP2-20			009													X			
	1035		TP7-6			010																
	1045		TP7-8			011												X				
	1100		TP11-8			012																

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
03232	0800	Zach Comino				
3/24/22	1900				3/24/22	800
			Chris Carr		3/25/22	0723

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

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

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

Released to Imaging: 1/17/2023 10:41:10 AM

Received by OCD: 12/19/2022 1:41:21 PM

Chain-of-Custody Record

2 of 3

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Client: GHD	Turn-Around Time: ☒ Standard ☐ Rush 5-day
	Project Name: Robinson B Federal #1
Mailing Address: 324 W. Main St. Suite 108, Artesia NM 88210	Project #: 1257410
Phone #: (505)377-4218	Project Manager: Becky Haskell, Tom Larson
email or Fax#: Becky.Haskell@ghd.com	Sampler: Zach Comino
QA/QC Package: ☐ Standard ☐ Level 4 (Full Validation)	On Ice: X Yes ☐ No
Accreditation: ☐ Az Compliance ☐ NELAC ☐ Other	# of Coolers: 3
☐ EDD (Type)	Cooler Temp(including CF): See first page

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chloride Method 300	Hold Sample				
						220353																
032322	1100	S	TP11-10	Jar		013	X	X									X	X				
	1130		TP12-8			014																
	1140		TP12-12			015																
	1145		TP12-14			016												X				
	1320		TP15-14			017																
	1350		TP15-16			018												X				
	1340		TP16-5			019																
	1350		TP16-2			020																
	1400		TP17-2			021																
	1410		TP17-4			022																
	1420		TP17-8			023																
↓	1430	↓	TP17-10	↓		024	↓	↓									↓					

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
032422	0800	Zach Comino			3/24/22	800
3/24/22	1900		Chr courier		3/25/22	0723

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

~~Direct Bill to EOG Chase Settle~~

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

Released to Imaging: 1/17/2023 10:41:10 AM

Received by OCD: 12/19/2022 1:47:21 PM

Chain-of-Custody Record

Client: GHD

Mailing Address: 324 W. Main St. Suite 108, Artesia NM 88210

Phone #: (505)377-4218

email or Fax#: Becky.Haskell@ghd.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush 5-day

Project Name: Robinson B Federal #1

Project #: 1257410

Project Manager:
Becky Haskell
Tom Larson

Sampler: Zach Comino

On Ice: X Yes ☐ No

# of Coolers: 3

Cooler Temp(including CF): See Rst page

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chloride Method 300
032322	1440	S	TP8-S	Jar		2203053 025	X	X									X
↓	1450	↓	TP8-2	↓		026	X	X									X

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

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
032422	0800	Zach Comino				
3/24/22	1900				3/24/22	800
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
			One Comm		3/25/22	0723

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

April 14, 2022

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

RE: Robinson B Federal 1 OrderNo.: 2203D53

Dear Tom Larson:

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

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

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

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

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2203D53**
Date Reported: **4/14/2022**

CLIENT: GHD Midland
Project: Robinson B Federal 1
Lab ID: 2203D53-001 **Matrix:** SOIL

Client Sample ID: TP3-8
Collection Date: 3/23/2022 7:45:00 AM
Received Date: 3/25/2022 7:23:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	3/31/2022 1:58:44 PM	66517
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2203D53**
Date Reported: **4/14/2022**

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

Analytical Report
Lab Order **2203D53**
Date Reported: **4/14/2022**

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

Analytical Report
Lab Order **2203D53**
Date Reported: **4/14/2022**

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

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

Qualifiers:

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

Analytical Report
Lab Order **2203D53**
Date Reported: **4/14/2022**

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	RL	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 ORGANICS						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	66.1	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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2203D53**
Date Reported: **4/14/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: TP5-12
Project: Robinson B Federal 1
Collection Date: 3/23/2022 9:05:00 AM
Lab ID: 2203D53-006 **Matrix:** SOIL **Received Date:** 3/25/2022 7:23:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**CAS**
Chloride	ND	60		mg/Kg	20	4/7/2022 10:29:41 PM	66705
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**JME**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	4/8/2022 1:18:22 PM	66670
Motor Oil Range Organics (MRO)	ND	51		mg/Kg	1	4/8/2022 1:18:22 PM	66670
Surr: DNOP	94.8	51.1-141		%Rec	1	4/8/2022 1:18:22 PM	66670
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**BRM**
Gasoline Range Organics (GRO)	ND	5.0	H	mg/Kg	1	4/7/2022 12:28:00 PM	66675
Surr: BFB	100	37.7-212	H	%Rec	1	4/7/2022 12:28:00 PM	66675
EPA METHOD 8021B: VOLATILES						Analyst:	**BRM**
Benzene	ND	0.025	H	mg/Kg	1	4/7/2022 12:28:00 PM	66675
Toluene	ND	0.050	H	mg/Kg	1	4/7/2022 12:28:00 PM	66675
Ethylbenzene	ND	0.050	H	mg/Kg	1	4/7/2022 12:28:00 PM	66675
Xylenes, Total	ND	0.10	H	mg/Kg	1	4/7/2022 12:28:00 PM	66675
Surr: 4-Bromofluorobenzene	85.9	70-130	H	%Rec	1	4/7/2022 12:28:00 PM	66675

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

Qualifiers:

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

Analytical Report
Lab Order **2203D53**
Date Reported: **4/14/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: TP2-14
Project: Robinson B Federal 1
Collection Date: 3/23/2022 9:45:00 AM
Lab ID: 2203D53-007 **Matrix:** SOIL **Received Date:** 3/25/2022 7:23:00 AM

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

Analytical Report
Lab Order **2203D53**
Date Reported: **4/14/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: TP2-16
Project: Robinson B Federal 1
Collection Date: 3/23/2022 9:55:00 AM
Lab ID: 2203D53-008 **Matrix:** SOIL **Received Date:** 3/25/2022 7:23:00 AM

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

Analytical Report
Lab Order **2203D53**
Date Reported: **4/14/2022**

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	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	710	60		mg/Kg	20	3/25/2022 4:59:54 PM	66406
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2203D53**
Date Reported: **4/14/2022**

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

Analytical Report
Lab Order **2203D53**
Date Reported: **4/14/2022**

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	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	130	60		mg/Kg	20	3/31/2022 4:14:33 PM	66517
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2203D53**
Date Reported: **4/14/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
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	240		mg/Kg	5	3/31/2022 2:44:47 PM	66452
Surr: DNOP	93.5	51.1-141		%Rec	5	3/31/2022 2:44:47 PM	66452
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/29/2022 1:27:00 AM	66412
Surr: BFB	104	37.7-212		%Rec	1	3/29/2022 1:27:00 AM	66412
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**	
Benzene	ND	0.024		mg/Kg	1	3/29/2022 1:27:00 AM	66412
Toluene	ND	0.049		mg/Kg	1	3/29/2022 1:27:00 AM	66412
Ethylbenzene	ND	0.049		mg/Kg	1	3/29/2022 1:27:00 AM	66412
Xylenes, Total	ND	0.097		mg/Kg	1	3/29/2022 1:27:00 AM	66412
Surr: 4-Bromofluorobenzene	85.2	70-130		%Rec	1	3/29/2022 1:27:00 AM	66412

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

Qualifiers:

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

Analytical Report
Lab Order **2203D53**
Date Reported: **4/14/2022**

Hall Environmental Analysis Laboratory, Inc.

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

Analytical Report
Lab Order **2203D53**
Date Reported: **4/14/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: TP12-14
Project: Robinson B Federal 1
Collection Date: 3/23/2022 11:45:00 AM
Lab ID: 2203D53-016 **Matrix:** SOIL **Received Date:** 3/25/2022 7:23:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**CAS**
Chloride	ND	61		mg/Kg	20	4/7/2022 10:42:01 PM	66705
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**JME**
Diesel Range Organics (DRO)	11	9.8		mg/Kg	1	4/8/2022 1:39:31 PM	66670
Motor Oil Range Organics (MRO)	52	49		mg/Kg	1	4/8/2022 1:39:31 PM	66670
Surr: DNOP	93.3	51.1-141		%Rec	1	4/8/2022 1:39:31 PM	66670
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**BRM**
Gasoline Range Organics (GRO)	ND	5.0	H	mg/Kg	1	4/7/2022 12:48:00 PM	66675
Surr: BFB	94.8	37.7-212	H	%Rec	1	4/7/2022 12:48:00 PM	66675
EPA METHOD 8021B: VOLATILES						Analyst:	**BRM**
Benzene	ND	0.025	H	mg/Kg	1	4/7/2022 12:48:00 PM	66675
Toluene	ND	0.050	H	mg/Kg	1	4/7/2022 12:48:00 PM	66675
Ethylbenzene	ND	0.050	H	mg/Kg	1	4/7/2022 12:48:00 PM	66675
Xylenes, Total	ND	0.10	H	mg/Kg	1	4/7/2022 12:48:00 PM	66675
Surr: 4-Bromofluorobenzene	80.8	70-130	H	%Rec	1	4/7/2022 12:48:00 PM	66675

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

Qualifiers:

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

Analytical Report
Lab Order **2203D53**
Date Reported: **4/14/2022**

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	RL	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 ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	4/1/2022 12:14:20 PM	66452
Motor Oil Range Organics (MRO)	76	49		mg/Kg	1	4/1/2022 12:14:20 PM	66452
Surr: DNOP	119	51.1-141		%Rec	1	4/1/2022 12:14:20 PM	66452
EPA METHOD 8015D: GASOLINE 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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2203D53**
Date Reported: **4/14/2022**

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

Analytical Report
Lab Order **2203D53**
Date Reported: **4/14/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
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	1	3/29/2022 11:41:51 PM	66452
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/29/2022 11:41:51 PM	66452
Surr: DNOP	77.4	51.1-141		%Rec	1	3/29/2022 11:41:51 PM	66452
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **BRM**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/29/2022 4:25:00 AM	66412
Surr: BFB	103	37.7-212		%Rec	1	3/29/2022 4:25:00 AM	66412
EPA METHOD 8021B: VOLATILES						Analyst: **BRM**	
Benzene	ND	0.025		mg/Kg	1	3/29/2022 4:25:00 AM	66412
Toluene	ND	0.050		mg/Kg	1	3/29/2022 4:25:00 AM	66412
Ethylbenzene	ND	0.050		mg/Kg	1	3/29/2022 4:25:00 AM	66412
Xylenes, Total	ND	0.10		mg/Kg	1	3/29/2022 4:25:00 AM	66412
Surr: 4-Bromofluorobenzene	85.5	70-130		%Rec	1	3/29/2022 4:25:00 AM	66412

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

Qualifiers:

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

Analytical Report
Lab Order **2203D53**
Date Reported: **4/14/2022**

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

Analytical Report
Lab Order **2203D53**
Date Reported: **4/14/2022**

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

Analytical Report
Lab Order **2203D53**
Date Reported: **4/14/2022**

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

Analytical Report
Lab Order **2203D53**
Date Reported: **4/14/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
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	1	3/30/2022 12:03:44 PM	66474
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/30/2022 12:03:44 PM	66474
Surr: DNOP	118	51.1-141		%Rec	1	3/30/2022 12:03:44 PM	66474
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/29/2022 9:12:51 AM	66414
Surr: BFB	95.2	37.7-212		%Rec	1	3/29/2022 9:12:51 AM	66414
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	3/29/2022 9:12:51 AM	66414
Toluene	ND	0.048		mg/Kg	1	3/29/2022 9:12:51 AM	66414
Ethylbenzene	ND	0.048		mg/Kg	1	3/29/2022 9:12:51 AM	66414
Xylenes, Total	ND	0.096		mg/Kg	1	3/29/2022 9:12:51 AM	66414
Surr: 4-Bromofluorobenzene	96.9	70-130		%Rec	1	3/29/2022 9:12:51 AM	66414

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

Qualifiers:

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

Analytical Report
Lab Order **2203D53**
Date Reported: **4/14/2022**

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	RL	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 ORGANICS						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	98.7	70-130		%Rec	1	3/29/2022 10:23:20 AM	66414

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

Qualifiers:

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

Analytical Report
Lab Order **2203D53**
Date Reported: **4/14/2022**

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2203D53**

14-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: **lcs**	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: **lcs**	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: **lcs**	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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2203D53**

14-Apr-22

Client: GHD Midland

Project: Robinson B Federal 1

Sample ID: **MB-66705**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **66705**	RunNo: **87092**
Prep Date: ***4/7/2022***	Analysis Date: ***4/7/2022***	SeqNo: **3078859** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-66705**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **66705**	RunNo: **87092**
Prep Date: ***4/7/2022***	Analysis Date: ***4/7/2022***	SeqNo: **3078860** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.0	90	110			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2203D53**

14-Apr-22

Client: GHD Midland

Project: Robinson B Federal 1

Sample ID: **LCS-66403**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
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	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 Organics**
Client ID: **PBS**	Batch ID: **66403**	RunNo: **86774**
Prep Date: **3/25/2022**	Analysis Date: **3/25/2022**	SeqNo: **3064239** Units: **mg/Kg**

Analyte	Result	PQL	SPK 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 8015M/D: Diesel Range Organics**
Client ID: **TP3-19**	Batch ID: **66403**	RunNo: **86781**
Prep Date: **3/25/2022**	Analysis Date: **3/28/2022**	SeqNo: **3065103** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	1300	43	42.66	1194	315	36.1	154			S
Surr: DNOP	0.63		4.266		14.7	51.1	141			S

Sample ID: **2203D53-004AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **TP3-19**	Batch ID: **66403**	RunNo: **86781**
Prep Date: **3/25/2022**	Analysis Date: **3/28/2022**	SeqNo: **3065104** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	1400	50	49.75	1194	321	36.1	154	1.87	33.9	S
Surr: DNOP	3.7		4.975		75.3	51.1	141	0	0	

Sample ID: **LCS-66443**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **66443**	RunNo: **86803**
Prep Date: **3/28/2022**	Analysis Date: **3/29/2022**	SeqNo: **3066791** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.0		5.000		101	51.1	141			

Sample ID: **LCS-66452**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **66452**	RunNo: **86803**
Prep Date: **3/28/2022**	Analysis Date: **3/29/2022**	SeqNo: **3066792** Units: **mg/Kg**

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

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2203D53**

14-Apr-22

Client: GHD Midland

Project: Robinson B Federal 1

Sample ID: **LCS-66452**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **66452**	RunNo: **86803**
Prep Date: **3/28/2022**	Analysis Date: **3/29/2022**	SeqNo: **3066792** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	92.0	68.9	135			
Surr: DNOP	4.6		5.000		91.8	51.1	141			

Sample ID: **MB-66443**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **66443**	RunNo: **86803**
Prep Date: **3/28/2022**	Analysis Date: **3/29/2022**	SeqNo: **3066795** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10		10.00		99.6	51.1	141			

Sample ID: **MB-66452**	SampType: **MBLK**	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								
Surr: DNOP	9.7		10.00		97.2	51.1	141			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2203D53**

14-Apr-22

Client: GHD Midland

Project: Robinson B Federal 1

Sample ID: **LCS-66507**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **66507**	RunNo: **86887**
Prep Date: **3/30/2022**	Analysis Date: **3/31/2022**	SeqNo: **3069715** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	3.8		5.000		75.1	51.1	141			

Sample ID: **MB-66507**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **66507**	RunNo: **86887**
Prep Date: **3/30/2022**	Analysis Date: **3/31/2022**	SeqNo: **3069718** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.9		10.00		88.8	51.1	141			

Sample ID: **2203D53-023AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **TP17-8**	Batch ID: **66474**	RunNo: **86904**
Prep Date: **3/29/2022**	Analysis Date: **3/31/2022**	SeqNo: **3070210** Units: **mg/Kg**

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			

Sample ID: **2203D53-023AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **TP17-8**	Batch ID: **66474**	RunNo: **86904**
Prep Date: **3/29/2022**	Analysis Date: **3/31/2022**	SeqNo: **3070211** Units: **mg/Kg**

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	

Sample ID: **LCS-66670**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **66670**	RunNo: **87064**
Prep Date: **4/6/2022**	Analysis Date: **4/7/2022**	SeqNo: **3078634** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	93.0	68.9	135			
Surr: DNOP	5.1		5.000		101	51.1	141			

Sample ID: **MB-66670**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **66670**	RunNo: **87064**
Prep Date: **4/6/2022**	Analysis Date: **4/7/2022**	SeqNo: **3078637** 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								

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2203D53**

14-Apr-22

Client: GHD Midland

Project: Robinson B Federal 1

Sample ID: **MB-66670**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **66670**	RunNo: **87064**
Prep Date: **4/6/2022**	Analysis Date: **4/7/2022**	SeqNo: **3078637** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.7		10.00		87.2	51.1	141			

Sample ID: **MB-66715**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **66715**	RunNo: **87125**
Prep Date: **4/7/2022**	Analysis Date: **4/8/2022**	SeqNo: **3080356** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	11		10.00		110	51.1	141			

Sample ID: **LCS-66715**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **66715**	RunNo: **87125**
Prep Date: **4/7/2022**	Analysis Date: **4/8/2022**	SeqNo: **3080358** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.7		5.000		93.1	51.1	141			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2203D53**

14-Apr-22

Client: GHD Midland

Project: Robinson B Federal 1

Sample ID: **2.5ug gro lcs**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **LCSS**	Batch ID: **C86769**	RunNo: **86769**							
Prep Date:	Analysis Date: **3/25/2022**	SeqNo: **3064025**	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	72.3	137			
Surr: BFB	2100		1000		215	37.7	212			S

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **PBS**	Batch ID: **C86769**	RunNo: **86769**							
Prep Date:	Analysis Date: **3/25/2022**	SeqNo: **3064026**	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	1000		1000		101	37.7	212			

Sample ID: **lcs-66412**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **LCSS**	Batch ID: **66412**	RunNo: **86795**							
Prep Date: **3/25/2022**	Analysis Date: **3/28/2022**	SeqNo: **3065000**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	31	5.0	25.00	0	124	72.3	137			
Surr: BFB	2300		1000		231	37.7	212			S

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

Sample ID: **lcs-66421**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **LCSS**	Batch ID: **66421**	RunNo: **86795**							
Prep Date: **3/27/2022**	Analysis Date: **3/28/2022**	SeqNo: **3065002**	Units: **%Rec**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	2300		1000		227	37.7	212			S

Sample ID: **mb-66421**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **PBS**	Batch ID: **66421**	RunNo: **86795**							
Prep Date: **3/27/2022**	Analysis Date: **3/28/2022**	SeqNo: **3065003**	Units: **%Rec**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100		1000		105	37.7	212			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2203D53**

14-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: **lcs-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**

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

Sample ID: **2203d53-023ams**	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
Gasoline Range Organics (GRO)	26	5.0	24.80	0	107	70	130			
Surr: BFB	2000		992.1		199	37.7	212			

Sample ID: **2203d53-023amsd**	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**

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

Sample ID: **lcs-66420**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **66420**	RunNo: **86835**
Prep Date: **3/27/2022**	Analysis Date: **3/29/2022**	SeqNo: **3067119** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	2300		1000		234	37.7	212			S

Sample ID: **mb-66420**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **66420**	RunNo: **86835**
Prep Date: **3/27/2022**	Analysis Date: **3/29/2022**	SeqNo: **3067120** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	980		1000		97.9	37.7	212			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2203D53**

14-Apr-22

Client: GHD Midland

Project: Robinson B Federal 1

Sample ID: **lcs-66675**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **66675**	RunNo: **87084**
Prep Date: **4/6/2022**	Analysis Date: **4/7/2022**	SeqNo: **3078370** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	25.00	0	113	72.3	137			
Surr: BFB	2200		1000		219	37.7	212			S

Sample ID: **mb-66675**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **66675**	RunNo: **87084**
Prep Date: **4/6/2022**	Analysis Date: **4/7/2022**	SeqNo: **3078371** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		109	37.7	212			

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2203D53**

14-Apr-22

Client: GHD Midland

Project: Robinson B Federal 1

Sample ID: **100ng btex lcs**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **D86769**	RunNo: **86769**
Prep Date:	Analysis Date: **3/25/2022**	SeqNo: **3064035** 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	0.10	3.000	0	91.9	80	120			
Surr: 4-Bromofluorobenzene	0.88		1.000		88.3	70	130			

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **D86769**	RunNo: **86769**
Prep Date:	Analysis Date: **3/25/2022**	SeqNo: **3064036** 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**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **TP3-19**	Batch ID: **D86769**	RunNo: **86769**
Prep Date:	Analysis Date: **3/25/2022**	SeqNo: **3064040** Units: **mg/Kg**

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 MSD**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **TP3-19**	Batch ID: **D86769**	RunNo: **86769**
Prep Date:	Analysis Date: **3/25/2022**	SeqNo: **3064041** Units: **mg/Kg**

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
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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2203D53**

14-Apr-22

Client: GHD Midland

Project: Robinson B Federal 1

Sample ID: **lcs-66412**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **66412**	RunNo: **86795**
Prep Date: **3/25/2022**	Analysis Date: **3/28/2022**	SeqNo: **3065042** 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		1.000		85.8	70	130			

Sample ID: **mb-66412**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **66412**	RunNo: **86795**
Prep Date: **3/25/2022**	Analysis Date: **3/28/2022**	SeqNo: **3065043** 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	0.87		1.000		86.9	70	130			

Sample ID: **lcs-66421**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **66421**	RunNo: **86795**
Prep Date: **3/27/2022**	Analysis Date: **3/28/2022**	SeqNo: **3065044** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.88		1.000		88.0	70	130			

Sample ID: **mb-66421**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **66421**	RunNo: **86795**
Prep Date: **3/27/2022**	Analysis Date: **3/28/2022**	SeqNo: **3065045** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.88		1.000		87.6	70	130			

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								

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2203D53**

14-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
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**

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			

Sample ID: **2203d53-024ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **TP17-10**	Batch ID: **66414**	RunNo: **86824**
Prep Date: **3/25/2022**	Analysis Date: **3/29/2022**	SeqNo: **3066242** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.79	0.024	0.9756	0	81.2	68.8	120			
Toluene	0.83	0.049	0.9756	0	85.6	73.6	124			
Ethylbenzene	0.85	0.049	0.9756	0.01077	85.7	72.7	129			
Xylenes, Total	2.6	0.098	2.927	0	87.4	75.7	126			
Surr: 4-Bromofluorobenzene	0.99		0.9756		101	70	130			

Sample ID: **2203d53-024amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **TP17-10**	Batch ID: **66414**	RunNo: **86824**
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	

Sample ID: **lcs-66420**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **66420**	RunNo: **86835**
Prep Date: **3/27/2022**	Analysis Date: **3/29/2022**	SeqNo: **3067166** Units: **%Rec**

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2203D53**

14-Apr-22

Client: GHD Midland

Project: Robinson B Federal 1

Sample ID: **lcs-66420**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **66420**	RunNo: **86835**
Prep Date: **3/27/2022**	Analysis Date: **3/29/2022**	SeqNo: **3067166** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.81		1.000		81.3	70	130			

Sample ID: **mb-66420**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **66420**	RunNo: **86835**
Prep Date: **3/27/2022**	Analysis Date: **3/29/2022**	SeqNo: **3067167** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.82		1.000		81.7	70	130			

Sample ID: **lcs-66675**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **66675**	RunNo: **87084**
Prep Date: **4/6/2022**	Analysis Date: **4/7/2022**	SeqNo: **3078399** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.025	1.000	0	87.6	80	120			
Toluene	0.88	0.050	1.000	0	88.1	80	120			
Ethylbenzene	0.89	0.050	1.000	0	89.0	80	120			
Xylenes, Total	2.7	0.10	3.000	0	88.9	80	120			
Surr: 4-Bromofluorobenzene	0.89		1.000		89.4	70	130			

Sample ID: **mb-66675**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **66675**	RunNo: **87084**
Prep Date: **4/6/2022**	Analysis Date: **4/7/2022**	SeqNo: **3078400** 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	0.91		1.000		91.2	70	130			

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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: **2203D53** RcptNo: **1**

Received By: **Cheyenne Cason** **3/25/2022 7:23:00 AM** CC

Completed By: **Cheyenne Cason** **3/25/2022 7:56:38 AM** CC

Reviewed By: SCA 3/25/22

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Client		

Log In

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

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

Adjusted?

Checked by: JR 3/25/22

Special Handling (if applicable)

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

Person Notified: Date:

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.9	Good	Not Present			
2	1.6	Good	Not Present			
3	2.8	Good	Not Present			

Released to Imaging: 1/17/2023 10:41:10 AM

Received by OCD: 12/19/2022 1:41:21 PM

1 of 3

Chain-of-Custody Record

Client: GHD

Mailing Address:

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

Phone #: (505)377-4218

email or Fax#: Becky.Haskell@ghd.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time: 24 hr rush on TP3-17 + TP2-20

☒ Standard ☐ Rush 5-day

Project Name: Robinson B Federal #1

Project #: 12574110

Project Manager: Becky Haskell, Tom Larson

Sampler: Zach Comino

On Ice: X Yes ☐ No

# of Coolers: 3 2.9-0=2.9

Cooler Temp(including CF): 1.6-0=1.6 2.8-0=2.8

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2203053	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chloride Method 300	Hold Samples	24 hr Rush			
03232	0745	S	TP3-8	Jar		001	X	X									X					
	0755		TP3-12			002																
	0810		TP3-16			003																
	0835		TP3-18			004													X			
	0900		TP5-8			005																
	0905		TP5-12			006												X				
	0945		TP2-14			007																
	0955		TP2-16			008																
	1015		TP2-20			009													X			
	1035		TP7-6			010																
	1045		TP7-8			011												X				
	1100		TP11-8			012																

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
03232	0800	Zach Comino				
3/24/22	1900				3/24/22	800
			One Call		3/25/22	0723

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

~~Direct Bill to EOG Chase Settle~~

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

Released to Imaging: 1/17/2023 10:41:10 AM

Received by OCD: 12/19/2022 1:41:21 PM

Chain-of-Custody Record

2 of 3

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Client: GHD	Turn-Around Time: ☒ Standard ☐ Rush 5-day
	Project Name: Robinson B Federal #1
Mailing Address: 324 W. Main St. Suite 108, Artesia NM 88210	Project #: 1257410
Phone #: (505)377-4218	Project Manager: Becky Haskell, Tom Larson
email or Fax#: Becky.Haskell@ghd.com	Sampler: Zach Comino
QA/QC Package: ☐ Standard ☐ Level 4 (Full Validation)	On Ice: X Yes ☐ No
Accreditation: ☐ Az Compliance ☐ NELAC ☐ Other	# of Coolers: 3
☐ EDD (Type)	Cooler Temp(including CF): See first page

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 220353	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chloride Method 300	Hold Sample				
032322	1100	S	TP11-10	Jar		013	X	X									X	X				
	1130		TP12-8			014																
	1140		TP12-12			015																
	1145		TP12-14			016												X				
	1320		TP15-14			017																
	1350		TP15-16			018												X				
	1340		TP16-5			019																
	1350		TP16-2			020																
	1400		TP17-2			021																
	1410		TP17-4			022																
	1420		TP17-8			023																
	1430		TP17-10			024																

Date	Time	Relinquished by	Received by	Via	Date	Time
032422	0800	Zach Comino				
3/24/22	1900				3/24/22	900
			Chr Courier		3/25/22	0723

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

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Released to Imaging: 1/17/2023 10:41:10 AM

Received by OCD: 12/19/2022 1:41:21 PM

Chain-of-Custody Record

Client: GHD

Mailing Address:

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

Phone #: (505)377-4218

email or Fax#: Becky.Haskell@ghd.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:

☒ Standard ☐ Rush 5-day

Project Name: Robinson B Federal #1

Project #: 1257410

Project Manager:

Becky Haskell

Tom Larson

Sampler: Zach Comino

On Ice: X Yes ☐ No

# of Coolers: 3

Cooler Temp(including CF): See Rst page

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chloride Method 300
						2203053											
032322	1440	S	TP8-S	Jar		025	X	X									X
X	1450	X	TP8-2	X		026	X	X									X

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
032422	0800	Zach Comino			3/24/22	800
3/24/22	1900		One Courr		3/25/22	0723

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

~~Direct Bill to EOG Chase Settle~~

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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

October 06, 2022

NATE REECE

GHD SERVICES, INC.

6121 INDIAN SCHOOL RD, NE STE. 200

ALBUQUERQUE, NM 87110

RE: ROBINSON B FEDERAL #1

Enclosed are the results of analyses for samples received by the laboratory on 10/03/22 14:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

GHD SERVICES, INC.
NATE REECE
6121 INDIAN SCHOOL RD, NE STE. 200
ALBUQUERQUE NM, 87110
Fax To:

Received:	10/03/2022	Sampling Date:	10/03/2022
Reported:	10/06/2022	Sampling Type:	Soil
Project Name:	ROBINSON B FEDERAL #1	Sampling Condition:	** (See Notes)
Project Number:	12574110	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - ARTESIA NM		

Sample ID: SW - 1 - EAST (20'-22') (H224588-01)

BTEX 8021B mg/kg Analyzed By: JH/ S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	**4.61**	0.500	10/04/2022	ND	2.01	100	2.00	7.17	
Toluene*	**2.18**	0.500	10/04/2022	ND	1.98	98.9	2.00	5.45	GC-NC1
Ethylbenzene*	**79.9**	0.500	10/04/2022	ND	1.97	98.5	2.00	7.12	
Total Xylenes*	**30.1**	1.50	10/04/2022	ND	6.00	100	6.00	6.57	GC-NC1
Total BTEX	**117**	3.00	10/04/2022	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID *163 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**208**	16.0	10/04/2022	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**3170**	100	10/05/2022	ND	212	106	200	3.38	
DRO >C10-C28*	**11700**	100	10/05/2022	ND	220	110	200	4.91	
EXT DRO >C28-C36	**2280**	100	10/05/2022	ND					

Surrogate: 1-Chlorooctane *352 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *241 %* *46.3-178*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

GHD SERVICES, INC.
NATE REECE
6121 INDIAN SCHOOL RD, NE STE. 200
ALBUQUERQUE NM, 87110
Fax To:

Received:	10/03/2022	Sampling Date:	10/03/2022
Reported:	10/06/2022	Sampling Type:	Soil
Project Name:	ROBINSON B FEDERAL #1	Sampling Condition:	** (See Notes)
Project Number:	12574110	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - ARTESIA NM		

Sample ID: SW - 2 - SOUTH (20'-22') (H224588-02)

BTEX 8021B mg/kg Analyzed By: JH/ S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	**0.608**	0.200	10/04/2022	ND	2.01	100	2.00	7.17	
Toluene*	**1.10**	0.200	10/04/2022	ND	1.98	98.9	2.00	5.45	GC-NC1
Ethylbenzene*	**34.5**	0.200	10/04/2022	ND	1.97	98.5	2.00	7.12	
Total Xylenes*	**24.9**	0.600	10/04/2022	ND	6.00	100	6.00	6.57	GC-NC1
Total BTEX	**61.1**	1.20	10/04/2022	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID *207 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	10/04/2022	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**660**	100	10/05/2022	ND	212	106	200	3.38	
DRO >C10-C28*	**3470**	100	10/05/2022	ND	220	110	200	4.91	
EXT DRO >C28-C36	**592**	100	10/05/2022	ND					

Surrogate: 1-Chlorooctane *147 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *163 %* *46.3-178*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

GHD SERVICES, INC.
NATE REECE
6121 INDIAN SCHOOL RD, NE STE. 200
ALBUQUERQUE NM, 87110
Fax To:

Received:	10/03/2022	Sampling Date:	10/03/2022
Reported:	10/06/2022	Sampling Type:	Soil
Project Name:	ROBINSON B FEDERAL #1	Sampling Condition:	** (See Notes)
Project Number:	12574110	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - ARTESIA NM		

Sample ID: SW - 3 - SOUTH (20'-22') (H224588-03)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	**24.4**	5.00	10/04/2022	ND	2.01	100	2.00	7.17	
Toluene*	**9.58**	5.00	10/04/2022	ND	1.98	98.9	2.00	5.45	GC-NC1
Ethylbenzene*	**324**	5.00	10/04/2022	ND	1.97	98.5	2.00	7.12	
Total Xylenes*	**303**	15.0	10/04/2022	ND	6.00	100	6.00	6.57	GC-NC1
Total BTEX	**661**	30.0	10/04/2022	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID *122 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**528**	16.0	10/04/2022	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**16300**	200	10/05/2022	ND	212	106	200	3.38	
DRO >C10-C28*	**59000**	200	10/05/2022	ND	220	110	200	4.91	
EXT DRO >C28-C36	**11800**	200	10/05/2022	ND					

Surrogate: 1-Chlorooctane *1110 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *1100 %* *46.3-178*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

GHD SERVICES, INC.
NATE REECE
6121 INDIAN SCHOOL RD, NE STE. 200
ALBUQUERQUE NM, 87110
Fax To:

Received:	10/03/2022	Sampling Date:	10/03/2022
Reported:	10/06/2022	Sampling Type:	Soil
Project Name:	ROBINSON B FEDERAL #1	Sampling Condition:	** (See Notes)
Project Number:	12574110	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - ARTESIA NM		

Sample ID: SW - 4 - WEST (20'-22') (H224588-04)

BTEX 8021B mg/kg Analyzed By: JH/ S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	**0.198**	0.050	10/04/2022	ND	2.01	100	2.00	7.17	
Toluene*	**1.92**	0.050	10/04/2022	ND	1.98	98.9	2.00	5.45	GC-NC1
Ethylbenzene*	**6.82**	0.050	10/04/2022	ND	1.97	98.5	2.00	7.12	
Total Xylenes*	**10.7**	0.150	10/04/2022	ND	6.00	100	6.00	6.57	GC-NC1
Total BTEX	**19.7**	0.300	10/04/2022	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID *221 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	10/04/2022	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**315**	50.0	10/05/2022	ND	212	106	200	3.38	
DRO >C10-C28*	**2280**	50.0	10/05/2022	ND	220	110	200	4.91	
EXT DRO >C28-C36	**396**	50.0	10/05/2022	ND					

Surrogate: 1-Chlorooctane *122 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *171 %* *46.3-178*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

GHD SERVICES, INC.
NATE REECE
6121 INDIAN SCHOOL RD, NE STE. 200
ALBUQUERQUE NM, 87110
Fax To:

Received:	10/03/2022	Sampling Date:	10/03/2022
Reported:	10/06/2022	Sampling Type:	Soil
Project Name:	ROBINSON B FEDERAL #1	Sampling Condition:	** (See Notes)
Project Number:	12574110	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - ARTESIA NM		

Sample ID: BH - 1 (20'-22') (H224588-05)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2022	ND	2.30	115	2.00	1.65	
Toluene*	<0.050	0.050	10/05/2022	ND	2.19	109	2.00	1.70	
Ethylbenzene*	**0.235**	0.050	10/05/2022	ND	2.05	103	2.00	0.843	
Total Xylenes*	<0.150	0.150	10/05/2022	ND	6.22	104	6.00	0.157	
Total BTEX	**0.372**	0.300	10/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**384**	16.0	10/04/2022	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**16.9**	10.0	10/05/2022	ND	212	106	200	3.38	
DRO >C10-C28*	**230**	10.0	10/05/2022	ND	220	110	200	4.91	
EXT DRO >C28-C36	**34.5**	10.0	10/05/2022	ND					

Surrogate: 1-Chlorooctane *93.3 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *102 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	GHD
Project Manager:	Nate.Reece@ghd.com
Address:	
City:	State: Zip:
Phone #:	281-386-7158 Fax #:
Project #:	12574110 Project Owner: Amber_Griffin@EOGresources
Project Name:	Robinson B Federal #1
Project Location:	
Sampler Name:	Lee M

BILL TO

P.O. #:	
Company:	EOG Resources
Attn:	Amber Griffin
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING DATE	TIME	BTEX 2021 modified	TPH 8015	Chloride EPA 300.0 4500
H224588																	
1	SW-1-East (20'-22')	C	2			X							10/3/22	1100	X	X	X
2	SW-2-South (20'-22')	C												1105			
3	SW-3-South (20'-22')	G												1110			
4	SW-4-West (20'-22')	C												1115			
5	BH-1 (20'-22')	C												1120			

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 10/3/22 Time: 1405	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: Time:	Received By:	All Results are emailed. Please provide Email address: Amber_Griffin@EOGresources Nate.Reece@ghd.com
			REMARKS:
Delivered By: (Circle One)	Observed Temp. °C 10.1	Sample Condition: Cool Yes, Intact Yes	CHECKED BY: (Initials) SRC
Sampler - UPS - Bus - Other:	Corrected Temp. °C 9.5	Cool No, Intact No	Turnaround Time: Standard ☐ Rush ☒ 3 DAY
			Thermometer ID #113 Correction Factor -0.6°C
			Bacteria (only) Sample Condition: Cool Yes/No, Intact Yes/No; Observed Temp. °C; Corrected Temp. °C

FORM-006 R 3.3 07/18/22

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 12/19/2022 1:41:21 PM

Released to Imaging: 1/17/2023 10:41:10 AM

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

October 26, 2022

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

RE: Robinson B Federal 1 OrderNo.: 2210615

Dear JT Murrey:

Hall Environmental Analysis Laboratory received 34 sample(s) on 10/13/2022 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
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2210615**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: BH2
Project: Robinson B Federal 1
Collection Date: 10/11/2022 11:30:00 AM
Lab ID: 2210615-001 **Matrix:** SOIL **Received Date:** 10/13/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	10/18/2022 8:54:30 PM	70907
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	130	14		mg/Kg	1	10/17/2022 7:44:11 PM	70830
Motor Oil Range Organics (MRO)	140	46		mg/Kg	1	10/17/2022 7:44:11 PM	70830
Surr: DNOP	109	21-129		%Rec	1	10/17/2022 7:44:11 PM	70830
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	10/16/2022 8:23:27 AM	70805
Surr: BFB	85.5	37.7-212		%Rec	5	10/16/2022 8:23:27 AM	70805
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.12		mg/Kg	5	10/16/2022 8:23:27 AM	70805
Toluene	ND	0.24		mg/Kg	5	10/16/2022 8:23:27 AM	70805
Ethylbenzene	ND	0.24		mg/Kg	5	10/16/2022 8:23:27 AM	70805
Xylenes, Total	ND	0.49		mg/Kg	5	10/16/2022 8:23:27 AM	70805
Surr: 4-Bromofluorobenzene	92.7	70-130		%Rec	5	10/16/2022 8:23:27 AM	70805

Refer to the QC Summary 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 standard limits. If undiluted associated results may be
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

Analytical Report
Lab Order **2210615**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: BH3
Project: Robinson B Federal 1
Collection Date: 10/11/2022 11:35:00 AM
Lab ID: 2210615-002 **Matrix:** SOIL **Received Date:** 10/13/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	10/18/2022 9:06:55 PM	70907
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	360	14		mg/Kg	1	10/18/2022 12:25:38 PM	70836
Motor Oil Range Organics (MRO)	470	45		mg/Kg	1	10/18/2022 12:25:38 PM	70836
Surr: DNOP	122	21-129		%Rec	1	10/18/2022 12:25:38 PM	70836
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/17/2022 12:15:00 PM	70806
Surr: BFB	93.0	37.7-212		%Rec	1	10/17/2022 12:15:00 PM	70806
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.024		mg/Kg	1	10/17/2022 12:15:00 PM	70806
Toluene	ND	0.048		mg/Kg	1	10/17/2022 12:15:00 PM	70806
Ethylbenzene	ND	0.048		mg/Kg	1	10/17/2022 12:15:00 PM	70806
Xylenes, Total	ND	0.097		mg/Kg	1	10/17/2022 12:15:00 PM	70806
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	10/17/2022 12:15:00 PM	70806

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

Qualifiers:

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

Analytical Report
Lab Order **2210615**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: BH4
Project: Robinson B Federal 1
Collection Date: 10/11/2022 11:40:00 AM
Lab ID: 2210615-003 **Matrix:** SOIL **Received Date:** 10/13/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	10/18/2022 9:44:09 PM	70907
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	150	15		mg/Kg	1	10/18/2022 3:34:48 PM	70836
Motor Oil Range Organics (MRO)	150	50		mg/Kg	1	10/18/2022 3:34:48 PM	70836
Surr: DNOP	121	21-129		%Rec	1	10/18/2022 3:34:48 PM	70836
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/17/2022 1:14:00 PM	70806
Surr: BFB	98.1	37.7-212		%Rec	1	10/17/2022 1:14:00 PM	70806
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.024		mg/Kg	1	10/17/2022 1:14:00 PM	70806
Toluene	ND	0.049		mg/Kg	1	10/17/2022 1:14:00 PM	70806
Ethylbenzene	ND	0.049		mg/Kg	1	10/17/2022 1:14:00 PM	70806
Xylenes, Total	ND	0.097		mg/Kg	1	10/17/2022 1:14:00 PM	70806
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	10/17/2022 1:14:00 PM	70806

Refer to the QC Summary 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 standard limits. If undiluted associated results may be
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

Analytical Report
Lab Order **2210615**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Client Sample ID:** BH5
Project: Robinson B Federal 1 **Collection Date:** 10/11/2022 11:45:00 AM
Lab ID: 2210615-004 **Matrix:** SOIL **Received Date:** 10/13/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	10/18/2022 10:21:24 PM	70907
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	170	13		mg/Kg	1	10/18/2022 4:21:55 PM	70836
Motor Oil Range Organics (MRO)	230	42		mg/Kg	1	10/18/2022 4:21:55 PM	70836
Surr: DNOP	112	21-129		%Rec	1	10/18/2022 4:21:55 PM	70836
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/17/2022 2:12:00 PM	70806
Surr: BFB	90.3	37.7-212		%Rec	1	10/17/2022 2:12:00 PM	70806
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.024		mg/Kg	1	10/17/2022 2:12:00 PM	70806
Toluene	ND	0.049		mg/Kg	1	10/17/2022 2:12:00 PM	70806
Ethylbenzene	ND	0.049		mg/Kg	1	10/17/2022 2:12:00 PM	70806
Xylenes, Total	ND	0.098		mg/Kg	1	10/17/2022 2:12:00 PM	70806
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	10/17/2022 2:12:00 PM	70806

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

Qualifiers:

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

Analytical Report
Lab Order **2210615**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: BH6
Project: Robinson B Federal 1
Collection Date: 10/11/2022 11:50:00 AM
Lab ID: 2210615-005 **Matrix:** SOIL **Received Date:** 10/13/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	10/18/2022 10:33:49 PM	70907
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	10/15/2022 9:01:26 PM	70836
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/15/2022 9:01:26 PM	70836
Surr: DNOP	104	21-129		%Rec	1	10/15/2022 9:01:26 PM	70836
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/17/2022 2:32:00 PM	70806
Surr: BFB	91.2	37.7-212		%Rec	1	10/17/2022 2:32:00 PM	70806
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.024		mg/Kg	1	10/17/2022 2:32:00 PM	70806
Toluene	ND	0.048		mg/Kg	1	10/17/2022 2:32:00 PM	70806
Ethylbenzene	ND	0.048		mg/Kg	1	10/17/2022 2:32:00 PM	70806
Xylenes, Total	ND	0.096		mg/Kg	1	10/17/2022 2:32:00 PM	70806
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	10/17/2022 2:32:00 PM	70806

Refer to the QC Summary 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 standard limits. If undiluted associated results may be
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

Analytical Report
Lab Order **2210615**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Client Sample ID:** BH7
Project: Robinson B Federal 1 **Collection Date:** 10/11/2022 11:55:00 AM
Lab ID: 2210615-006 **Matrix:** SOIL **Received Date:** 10/13/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	10/18/2022 10:46:13 PM	70907
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	320	15		mg/Kg	1	10/18/2022 5:09:09 PM	70836
Motor Oil Range Organics (MRO)	210	50		mg/Kg	1	10/18/2022 5:09:09 PM	70836
Surr: DNOP	124	21-129		%Rec	1	10/18/2022 5:09:09 PM	70836
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/17/2022 2:52:00 PM	70806
Surr: BFB	95.0	37.7-212		%Rec	1	10/17/2022 2:52:00 PM	70806
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.024		mg/Kg	1	10/17/2022 2:52:00 PM	70806
Toluene	ND	0.048		mg/Kg	1	10/17/2022 2:52:00 PM	70806
Ethylbenzene	ND	0.048		mg/Kg	1	10/17/2022 2:52:00 PM	70806
Xylenes, Total	ND	0.096		mg/Kg	1	10/17/2022 2:52:00 PM	70806
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	10/17/2022 2:52:00 PM	70806

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

Qualifiers:

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

Analytical Report
Lab Order **2210615**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: BH8
Project: Robinson B Federal 1
Collection Date: 10/11/2022 12:00:00 PM
Lab ID: 2210615-007 **Matrix:** SOIL **Received Date:** 10/13/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	10/18/2022 11:23:27 PM	70907
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	170	13		mg/Kg	1	10/18/2022 5:56:27 PM	70836
Motor Oil Range Organics (MRO)	190	44		mg/Kg	1	10/18/2022 5:56:27 PM	70836
Surr: DNOP	114	21-129		%Rec	1	10/18/2022 5:56:27 PM	70836
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/17/2022 3:11:00 PM	70806
Surr: BFB	96.3	37.7-212		%Rec	1	10/17/2022 3:11:00 PM	70806
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.025		mg/Kg	1	10/17/2022 3:11:00 PM	70806
Toluene	ND	0.049		mg/Kg	1	10/17/2022 3:11:00 PM	70806
Ethylbenzene	ND	0.049		mg/Kg	1	10/17/2022 3:11:00 PM	70806
Xylenes, Total	ND	0.098		mg/Kg	1	10/17/2022 3:11:00 PM	70806
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	10/17/2022 3:11:00 PM	70806

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

Qualifiers:

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

Analytical Report
Lab Order **2210615**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Client Sample ID:** BH9
Project: Robinson B Federal 1 **Collection Date:** 10/11/2022 12:05:00 PM
Lab ID: 2210615-008 **Matrix:** SOIL **Received Date:** 10/13/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	10/18/2022 11:35:51 PM	70907
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/15/2022 10:13:15 PM	70836
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/15/2022 10:13:15 PM	70836
Surr: DNOP	125	21-129		%Rec	1	10/15/2022 10:13:15 PM	70836
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/17/2022 3:31:00 PM	70806
Surr: BFB	89.8	37.7-212		%Rec	1	10/17/2022 3:31:00 PM	70806
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.025		mg/Kg	1	10/17/2022 3:31:00 PM	70806
Toluene	ND	0.049		mg/Kg	1	10/17/2022 3:31:00 PM	70806
Ethylbenzene	ND	0.049		mg/Kg	1	10/17/2022 3:31:00 PM	70806
Xylenes, Total	ND	0.098		mg/Kg	1	10/17/2022 3:31:00 PM	70806
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	10/17/2022 3:31:00 PM	70806

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

Qualifiers:

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

Analytical Report
Lab Order **2210615**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: BH10
Project: Robinson B Federal 1
Collection Date: 10/11/2022 12:10:00 PM
Lab ID: 2210615-009 **Matrix:** SOIL **Received Date:** 10/13/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	10/18/2022 11:48:16 PM	70907
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	120	14		mg/Kg	1	10/18/2022 6:44:38 PM	70836
Motor Oil Range Organics (MRO)	89	47		mg/Kg	1	10/18/2022 6:44:38 PM	70836
Surr: DNOP	112	21-129		%Rec	1	10/18/2022 6:44:38 PM	70836
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/17/2022 3:51:00 PM	70806
Surr: BFB	91.5	37.7-212		%Rec	1	10/17/2022 3:51:00 PM	70806
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.024		mg/Kg	1	10/17/2022 3:51:00 PM	70806
Toluene	ND	0.049		mg/Kg	1	10/17/2022 3:51:00 PM	70806
Ethylbenzene	ND	0.049		mg/Kg	1	10/17/2022 3:51:00 PM	70806
Xylenes, Total	ND	0.097		mg/Kg	1	10/17/2022 3:51:00 PM	70806
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	10/17/2022 3:51:00 PM	70806

Refer to the QC Summary 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 standard limits. If undiluted associated results may be
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

Analytical Report
Lab Order **2210615**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Client Sample ID:** BH11
Project: Robinson B Federal 1 **Collection Date:** 10/11/2022 12:15:00 PM
Lab ID: 2210615-010 **Matrix:** SOIL **Received Date:** 10/13/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	320	60		mg/Kg	20	10/19/2022 12:00:40 AM	70907
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	1600	150		mg/Kg	10	10/19/2022 3:17:59 PM	70836
Motor Oil Range Organics (MRO)	1000	490		mg/Kg	10	10/19/2022 3:17:59 PM	70836
Surr: DNOP	0	21-129	S	%Rec	10	10/19/2022 3:17:59 PM	70836
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	10/17/2022 4:10:00 PM	70806
Surr: BFB	99.3	37.7-212		%Rec	5	10/17/2022 4:10:00 PM	70806
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.12		mg/Kg	5	10/17/2022 4:10:00 PM	70806
Toluene	ND	0.24		mg/Kg	5	10/17/2022 4:10:00 PM	70806
Ethylbenzene	ND	0.24		mg/Kg	5	10/17/2022 4:10:00 PM	70806
Xylenes, Total	ND	0.48		mg/Kg	5	10/17/2022 4:10:00 PM	70806
Surr: 4-Bromofluorobenzene	111	70-130		%Rec	5	10/17/2022 4:10:00 PM	70806

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

Qualifiers:

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

Analytical Report
Lab Order **2210615**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Client Sample ID:** BH12
Project: Robinson B Federal 1 **Collection Date:** 10/11/2022 12:20:00 PM
Lab ID: 2210615-011 **Matrix:** SOIL **Received Date:** 10/13/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	69	60		mg/Kg	20	10/19/2022 12:13:05 AM	70907
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	310	15		mg/Kg	1	10/18/2022 8:45:02 PM	70836
Motor Oil Range Organics (MRO)	300	49		mg/Kg	1	10/18/2022 8:45:02 PM	70836
Surr: DNOP	103	21-129		%Rec	1	10/18/2022 8:45:02 PM	70836
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/17/2022 4:30:00 PM	70806
Surr: BFB	96.0	37.7-212		%Rec	1	10/17/2022 4:30:00 PM	70806
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.025		mg/Kg	1	10/17/2022 4:30:00 PM	70806
Toluene	ND	0.049		mg/Kg	1	10/17/2022 4:30:00 PM	70806
Ethylbenzene	ND	0.049		mg/Kg	1	10/17/2022 4:30:00 PM	70806
Xylenes, Total	ND	0.099		mg/Kg	1	10/17/2022 4:30:00 PM	70806
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	10/17/2022 4:30:00 PM	70806

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

Qualifiers:

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

Analytical Report
Lab Order **2210615**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Client Sample ID:** BH13
Project: Robinson B Federal 1 **Collection Date:** 10/11/2022 12:25:00 PM
Lab ID: 2210615-012 **Matrix:** SOIL **Received Date:** 10/13/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	180	60		mg/Kg	20	10/19/2022 12:25:30 AM	70907
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	1100	75		mg/Kg	5	10/19/2022 3:41:33 PM	70836
Motor Oil Range Organics (MRO)	610	250		mg/Kg	5	10/19/2022 3:41:33 PM	70836
Surr: DNOP	124	21-129		%Rec	5	10/19/2022 3:41:33 PM	70836
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	25		mg/Kg	5	10/17/2022 5:29:00 PM	70806
Surr: BFB	126	37.7-212		%Rec	5	10/17/2022 5:29:00 PM	70806
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.12		mg/Kg	5	10/17/2022 5:29:00 PM	70806
Toluene	ND	0.25		mg/Kg	5	10/17/2022 5:29:00 PM	70806
Ethylbenzene	ND	0.25		mg/Kg	5	10/17/2022 5:29:00 PM	70806
Xylenes, Total	ND	0.50		mg/Kg	5	10/17/2022 5:29:00 PM	70806
Surr: 4-Bromofluorobenzene	114	70-130		%Rec	5	10/17/2022 5:29:00 PM	70806

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

Qualifiers:

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

Analytical Report
Lab Order **2210615**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: BH14
Project: Robinson B Federal 1
Collection Date: 10/11/2022 12:30:00 PM
Lab ID: 2210615-013 **Matrix:** SOIL **Received Date:** 10/13/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	130	60		mg/Kg	20	10/19/2022 12:37:55 AM	70907
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	51	14		mg/Kg	1	10/16/2022 12:12:55 AM	70836
Motor Oil Range Organics (MRO)	51	45		mg/Kg	1	10/16/2022 12:12:55 AM	70836
Surr: DNOP	108	21-129		%Rec	1	10/16/2022 12:12:55 AM	70836
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/17/2022 5:48:00 PM	70806
Surr: BFB	94.4	37.7-212		%Rec	1	10/17/2022 5:48:00 PM	70806
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.025		mg/Kg	1	10/17/2022 5:48:00 PM	70806
Toluene	ND	0.050		mg/Kg	1	10/17/2022 5:48:00 PM	70806
Ethylbenzene	ND	0.050		mg/Kg	1	10/17/2022 5:48:00 PM	70806
Xylenes, Total	ND	0.10		mg/Kg	1	10/17/2022 5:48:00 PM	70806
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	10/17/2022 5:48:00 PM	70806

Refer to the QC Summary 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 standard limits. If undiluted associated results may be
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

Analytical Report
Lab Order **2210615**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Client Sample ID:** BH15
Project: Robinson B Federal 1 **Collection Date:** 10/11/2022 12:35:00 PM
Lab ID: 2210615-014 **Matrix:** SOIL **Received Date:** 10/13/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	200	60		mg/Kg	20	10/19/2022 12:50:19 AM	70907
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	2500	290		mg/Kg	20	10/16/2022 1:00:36 AM	70836
Motor Oil Range Organics (MRO)	1000	960		mg/Kg	20	10/16/2022 1:00:36 AM	70836
Surr: DNOP	0	21-129	S	%Rec	20	10/16/2022 1:00:36 AM	70836
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	61	24		mg/Kg	5	10/17/2022 6:08:00 PM	70806
Surr: BFB	207	37.7-212		%Rec	5	10/17/2022 6:08:00 PM	70806
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.12		mg/Kg	5	10/17/2022 6:08:00 PM	70806
Toluene	ND	0.24		mg/Kg	5	10/17/2022 6:08:00 PM	70806
Ethylbenzene	0.72	0.24		mg/Kg	5	10/17/2022 6:08:00 PM	70806
Xylenes, Total	0.66	0.48		mg/Kg	5	10/17/2022 6:08:00 PM	70806
Surr: 4-Bromofluorobenzene	131	70-130	S	%Rec	5	10/17/2022 6:08:00 PM	70806

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

Qualifiers:

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

Analytical Report
Lab Order **2210615**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Client Sample ID:** BH16
Project: Robinson B Federal 1 **Collection Date:** 10/11/2022 12:40:00 PM
Lab ID: 2210615-015 **Matrix:** SOIL **Received Date:** 10/13/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	10/19/2022 1:02:44 AM	70907
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	10/16/2022 1:24:25 AM	70836
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/16/2022 1:24:25 AM	70836
Surr: DNOP	102	21-129		%Rec	1	10/16/2022 1:24:25 AM	70836
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/17/2022 6:27:00 PM	70806
Surr: BFB	95.0	37.7-212		%Rec	1	10/17/2022 6:27:00 PM	70806
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.024		mg/Kg	1	10/17/2022 6:27:00 PM	70806
Toluene	ND	0.048		mg/Kg	1	10/17/2022 6:27:00 PM	70806
Ethylbenzene	ND	0.048		mg/Kg	1	10/17/2022 6:27:00 PM	70806
Xylenes, Total	ND	0.096		mg/Kg	1	10/17/2022 6:27:00 PM	70806
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	10/17/2022 6:27:00 PM	70806

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

Qualifiers:

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

Analytical Report
Lab Order **2210615**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Client Sample ID:** BH17
Project: Robinson B Federal 1 **Collection Date:** 10/11/2022 2:45:00 PM
Lab ID: 2210615-016 **Matrix:** SOIL **Received Date:** 10/13/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	120	60		mg/Kg	20	10/19/2022 1:15:09 AM	70907
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	2400	290		mg/Kg	20	10/16/2022 1:48:20 AM	70836
Motor Oil Range Organics (MRO)	1200	970		mg/Kg	20	10/16/2022 1:48:20 AM	70836
Surr: DNOP	0	21-129	S	%Rec	20	10/16/2022 1:48:20 AM	70836
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	35	23		mg/Kg	5	10/17/2022 6:47:00 PM	70806
Surr: BFB	178	37.7-212		%Rec	5	10/17/2022 6:47:00 PM	70806
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.12		mg/Kg	5	10/17/2022 6:47:00 PM	70806
Toluene	ND	0.23		mg/Kg	5	10/17/2022 6:47:00 PM	70806
Ethylbenzene	ND	0.23		mg/Kg	5	10/17/2022 6:47:00 PM	70806
Xylenes, Total	ND	0.47		mg/Kg	5	10/17/2022 6:47:00 PM	70806
Surr: 4-Bromofluorobenzene	122	70-130		%Rec	5	10/17/2022 6:47:00 PM	70806

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

Qualifiers:

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

Analytical Report
Lab Order **2210615**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Client Sample ID:** BH18
Project: Robinson B Federal 1 **Collection Date:** 10/11/2022 12:50:00 PM
Lab ID: 2210615-017 **Matrix:** SOIL **Received Date:** 10/13/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	83	60		mg/Kg	20	10/19/2022 1:52:23 AM	70907
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/16/2022 2:12:10 AM	70836
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/16/2022 2:12:10 AM	70836
Surr: DNOP	104	21-129		%Rec	1	10/16/2022 2:12:10 AM	70836
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/17/2022 7:06:00 PM	70806
Surr: BFB	92.0	37.7-212		%Rec	1	10/17/2022 7:06:00 PM	70806
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.024		mg/Kg	1	10/17/2022 7:06:00 PM	70806
Toluene	ND	0.048		mg/Kg	1	10/17/2022 7:06:00 PM	70806
Ethylbenzene	ND	0.048		mg/Kg	1	10/17/2022 7:06:00 PM	70806
Xylenes, Total	ND	0.096		mg/Kg	1	10/17/2022 7:06:00 PM	70806
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	10/17/2022 7:06:00 PM	70806

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

Qualifiers:

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

Analytical Report
Lab Order **2210615**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Client Sample ID:** BH19
Project: Robinson B Federal 1 **Collection Date:** 10/11/2022 12:55:00 PM
Lab ID: 2210615-018 **Matrix:** SOIL **Received Date:** 10/13/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	110	60		mg/Kg	20	10/19/2022 2:04:48 AM	70907
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	1300	150		mg/Kg	10	10/18/2022 11:08:37 PM	70836
Motor Oil Range Organics (MRO)	910	490		mg/Kg	10	10/18/2022 11:08:37 PM	70836
Surr: DNOP	0	21-129	S	%Rec	10	10/18/2022 11:08:37 PM	70836
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	25		mg/Kg	5	10/17/2022 7:26:00 PM	70806
Surr: BFB	126	37.7-212		%Rec	5	10/17/2022 7:26:00 PM	70806
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.12		mg/Kg	5	10/17/2022 7:26:00 PM	70806
Toluene	ND	0.25		mg/Kg	5	10/17/2022 7:26:00 PM	70806
Ethylbenzene	ND	0.25		mg/Kg	5	10/17/2022 7:26:00 PM	70806
Xylenes, Total	ND	0.49		mg/Kg	5	10/17/2022 7:26:00 PM	70806
Surr: 4-Bromofluorobenzene	115	70-130		%Rec	5	10/17/2022 7:26:00 PM	70806

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

Qualifiers:

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

Analytical Report
Lab Order **2210615**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Client Sample ID:** BH20
Project: Robinson B Federal 1 **Collection Date:** 10/11/2022 1:00:00 PM
Lab ID: 2210615-019 **Matrix:** SOIL **Received Date:** 10/13/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	160	60		mg/Kg	20	10/19/2022 3:31:50 PM	70914
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	10/16/2022 2:59:55 AM	70836
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/16/2022 2:59:55 AM	70836
Surr: DNOP	104	21-129		%Rec	1	10/16/2022 2:59:55 AM	70836
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/17/2022 7:46:00 PM	70806
Surr: BFB	96.5	37.7-212		%Rec	1	10/17/2022 7:46:00 PM	70806
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.024		mg/Kg	1	10/17/2022 7:46:00 PM	70806
Toluene	ND	0.048		mg/Kg	1	10/17/2022 7:46:00 PM	70806
Ethylbenzene	ND	0.048		mg/Kg	1	10/17/2022 7:46:00 PM	70806
Xylenes, Total	ND	0.095		mg/Kg	1	10/17/2022 7:46:00 PM	70806
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	1	10/17/2022 7:46:00 PM	70806

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

Qualifiers:

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

Analytical Report
Lab Order **2210615**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Client Sample ID:** BH21
Project: Robinson B Federal 1 **Collection Date:** 10/11/2022 1:05:00 PM
Lab ID: 2210615-020 **Matrix:** SOIL **Received Date:** 10/13/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	ND	60		mg/Kg	20	10/19/2022 4:33:51 PM	70914
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	540	15		mg/Kg	1	10/18/2022 10:20:52 PM	70836
Motor Oil Range Organics (MRO)	540	49		mg/Kg	1	10/18/2022 10:20:52 PM	70836
Surr: DNOP	113	21-129		%Rec	1	10/18/2022 10:20:52 PM	70836
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/17/2022 8:05:00 PM	70806
Surr: BFB	127	37.7-212		%Rec	1	10/17/2022 8:05:00 PM	70806
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.024		mg/Kg	1	10/17/2022 8:05:00 PM	70806
Toluene	ND	0.049		mg/Kg	1	10/17/2022 8:05:00 PM	70806
Ethylbenzene	ND	0.049		mg/Kg	1	10/17/2022 8:05:00 PM	70806
Xylenes, Total	ND	0.097		mg/Kg	1	10/17/2022 8:05:00 PM	70806
Surr: 4-Bromofluorobenzene	111	70-130		%Rec	1	10/17/2022 8:05:00 PM	70806

Refer to the QC Summary 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 standard limits. If undiluted associated results may be
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

Analytical Report
Lab Order **2210615**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Client Sample ID:** BH22
Project: Robinson B Federal 1 **Collection Date:** 10/11/2022 1:30:00 PM
Lab ID: 2210615-021 **Matrix:** SOIL **Received Date:** 10/13/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	430	60		mg/Kg	20	10/19/2022 5:11:04 PM	70914
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	1800	150		mg/Kg	10	10/16/2022 3:47:40 AM	70836
Motor Oil Range Organics (MRO)	800	500		mg/Kg	10	10/16/2022 3:47:40 AM	70836
Surr: DNOP	0	21-129	S	%Rec	10	10/16/2022 3:47:40 AM	70836
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	10/17/2022 8:25:00 PM	70806
Surr: BFB	136	37.7-212		%Rec	5	10/17/2022 8:25:00 PM	70806
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.12		mg/Kg	5	10/17/2022 8:25:00 PM	70806
Toluene	ND	0.24		mg/Kg	5	10/17/2022 8:25:00 PM	70806
Ethylbenzene	0.38	0.24		mg/Kg	5	10/17/2022 8:25:00 PM	70806
Xylenes, Total	ND	0.49		mg/Kg	5	10/17/2022 8:25:00 PM	70806
Surr: 4-Bromofluorobenzene	115	70-130		%Rec	5	10/17/2022 8:25:00 PM	70806

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

Qualifiers:

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

Analytical Report
Lab Order **2210615**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Client Sample ID:** BH23
Project: Robinson B Federal 1 **Collection Date:** 10/11/2022 1:35:00 PM
Lab ID: 2210615-022 **Matrix:** SOIL **Received Date:** 10/13/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	220	60		mg/Kg	20	10/19/2022 5:23:29 PM	70914
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	6800	290		mg/Kg	20	10/16/2022 3:29:37 AM	70845
Motor Oil Range Organics (MRO)	2500	980		mg/Kg	20	10/16/2022 3:29:37 AM	70845
Surr: DNOP	0	21-129	S	%Rec	20	10/16/2022 3:29:37 AM	70845
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	160	24		mg/Kg	5	10/17/2022 10:42:00 PM	70810
Surr: BFB	238	37.7-212	S	%Rec	5	10/17/2022 10:42:00 PM	70810
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	0.18	0.12		mg/Kg	5	10/17/2022 10:42:00 PM	70810
Toluene	0.85	0.24		mg/Kg	5	10/17/2022 10:42:00 PM	70810
Ethylbenzene	6.1	0.24		mg/Kg	5	10/17/2022 10:42:00 PM	70810
Xylenes, Total	3.3	0.48		mg/Kg	5	10/17/2022 10:42:00 PM	70810
Surr: 4-Bromofluorobenzene	182	70-130	S	%Rec	5	10/17/2022 10:42:00 PM	70810

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

Qualifiers:

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

Analytical Report
Lab Order **2210615**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Client Sample ID:** BH24
Project: Robinson B Federal 1 **Collection Date:** 10/11/2022 1:40:00 PM
Lab ID: 2210615-023 **Matrix:** SOIL **Received Date:** 10/13/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	200	61		mg/Kg	20	10/19/2022 5:35:53 PM	70914
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	3700	280		mg/Kg	20	10/16/2022 3:50:34 AM	70845
Motor Oil Range Organics (MRO)	1400	940		mg/Kg	20	10/16/2022 3:50:34 AM	70845
Surr: DNOP	0	21-129	S	%Rec	20	10/16/2022 3:50:34 AM	70845
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	58	4.9		mg/Kg	1	10/17/2022 11:41:00 PM	70810
Surr: BFB	292	37.7-212	S	%Rec	1	10/17/2022 11:41:00 PM	70810
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	0.042	0.024		mg/Kg	1	10/17/2022 11:41:00 PM	70810
Toluene	0.12	0.049		mg/Kg	1	10/17/2022 11:41:00 PM	70810
Ethylbenzene	2.4	0.049		mg/Kg	1	10/17/2022 11:41:00 PM	70810
Xylenes, Total	1.7	0.097		mg/Kg	1	10/17/2022 11:41:00 PM	70810
Surr: 4-Bromofluorobenzene	216	70-130	S	%Rec	1	10/17/2022 11:41:00 PM	70810

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

Qualifiers:

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

Analytical Report
Lab Order **2210615**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Client Sample ID:** BH25
Project: Robinson B Federal 1 **Collection Date:** 10/11/2022 1:45:00 PM
Lab ID: 2210615-024 **Matrix:** SOIL **Received Date:** 10/13/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	210	60		mg/Kg	20	10/19/2022 5:48:18 PM	70914
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	7500	260		mg/Kg	20	10/17/2022 8:26:50 PM	70845
Motor Oil Range Organics (MRO)	2300	850		mg/Kg	20	10/17/2022 8:26:50 PM	70845
Surr: DNOP	0	21-129	S	%Rec	20	10/17/2022 8:26:50 PM	70845
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	74	4.6		mg/Kg	1	10/18/2022 12:40:00 AM	70810
Surr: BFB	413	37.7-212	S	%Rec	1	10/18/2022 12:40:00 AM	70810
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	0.029	0.023		mg/Kg	1	10/18/2022 12:40:00 AM	70810
Toluene	0.17	0.046		mg/Kg	1	10/18/2022 12:40:00 AM	70810
Ethylbenzene	2.0	0.046		mg/Kg	1	10/18/2022 12:40:00 AM	70810
Xylenes, Total	3.1	0.092		mg/Kg	1	10/18/2022 12:40:00 AM	70810
Surr: 4-Bromofluorobenzene	284	70-130	S	%Rec	1	10/18/2022 12:40:00 AM	70810

Refer to the QC Summary 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 standard limits. If undiluted associated results may be
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

Analytical Report
Lab Order **2210615**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: BH26
Project: Robinson B Federal 1
Collection Date: 10/11/2022 1:50:00 PM
Lab ID: 2210615-025 **Matrix:** SOIL **Received Date:** 10/13/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	310	60		mg/Kg	20	10/19/2022 6:00:42 PM	70914
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	4200	280		mg/Kg	20	10/17/2022 8:58:36 PM	70845
Motor Oil Range Organics (MRO)	1700	930		mg/Kg	20	10/17/2022 8:58:36 PM	70845
Surr: DNOP	0	21-129	S	%Rec	20	10/17/2022 8:58:36 PM	70845
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	130	24		mg/Kg	5	10/18/2022 12:59:00 AM	70810
Surr: BFB	302	37.7-212	S	%Rec	5	10/18/2022 12:59:00 AM	70810
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	0.32	0.12		mg/Kg	5	10/18/2022 12:59:00 AM	70810
Toluene	0.56	0.24		mg/Kg	5	10/18/2022 12:59:00 AM	70810
Ethylbenzene	4.9	0.24		mg/Kg	5	10/18/2022 12:59:00 AM	70810
Xylenes, Total	3.4	0.48		mg/Kg	5	10/18/2022 12:59:00 AM	70810
Surr: 4-Bromofluorobenzene	160	70-130	S	%Rec	5	10/18/2022 12:59:00 AM	70810

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

Qualifiers:

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

Analytical Report
Lab Order **2210615**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Client Sample ID:** BH27
Project: Robinson B Federal 1 **Collection Date:** 10/11/2022 1:55:00 PM
Lab ID: 2210615-026 **Matrix:** SOIL **Received Date:** 10/13/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	120	60		mg/Kg	20	10/19/2022 6:13:06 PM	70914
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	5800	290		mg/Kg	20	10/17/2022 9:30:40 PM	70845
Motor Oil Range Organics (MRO)	2500	970		mg/Kg	20	10/17/2022 9:30:40 PM	70845
Surr: DNOP	0	21-129	S	%Rec	20	10/17/2022 9:30:40 PM	70845
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	53	24		mg/Kg	5	10/18/2022 1:19:00 AM	70810
Surr: BFB	190	37.7-212		%Rec	5	10/18/2022 1:19:00 AM	70810
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.12		mg/Kg	5	10/18/2022 1:19:00 AM	70810
Toluene	ND	0.24		mg/Kg	5	10/18/2022 1:19:00 AM	70810
Ethylbenzene	1.4	0.24		mg/Kg	5	10/18/2022 1:19:00 AM	70810
Xylenes, Total	ND	0.47		mg/Kg	5	10/18/2022 1:19:00 AM	70810
Surr: 4-Bromofluorobenzene	130	70-130	S	%Rec	5	10/18/2022 1:19:00 AM	70810

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

Qualifiers:

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

Analytical Report
Lab Order **2210615**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Client Sample ID:** BH28
Project: Robinson B Federal 1 **Collection Date:** 10/11/2022 2:00:00 PM
Lab ID: 2210615-027 **Matrix:** SOIL **Received Date:** 10/13/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	94	60		mg/Kg	20	10/19/2022 6:25:31 PM	70914
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	11000	260		mg/Kg	20	10/17/2022 10:02:23 PM	70845
Motor Oil Range Organics (MRO)	3500	880		mg/Kg	20	10/17/2022 10:02:23 PM	70845
Surr: DNOP	0	21-129	S	%Rec	20	10/17/2022 10:02:23 PM	70845
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	240	4.8		mg/Kg	1	10/18/2022 1:39:00 AM	70810
Surr: BFB	812	37.7-212	S	%Rec	1	10/18/2022 1:39:00 AM	70810
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	0.33	0.024		mg/Kg	1	10/18/2022 1:39:00 AM	70810
Toluene	4.7	0.048		mg/Kg	1	10/18/2022 1:39:00 AM	70810
Ethylbenzene	12	0.48		mg/Kg	10	10/19/2022 6:22:00 AM	70810
Xylenes, Total	15	0.97		mg/Kg	10	10/19/2022 6:22:00 AM	70810
Surr: 4-Bromofluorobenzene	358	70-130	S	%Rec	1	10/18/2022 1:39:00 AM	70810

Refer to the QC Summary 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 standard limits. If undiluted associated results may be
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

Analytical Report
Lab Order **2210615**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Client Sample ID:** BH29
Project: Robinson B Federal 1 **Collection Date:** 10/11/2022 2:05:00 PM
Lab ID: 2210615-028 **Matrix:** SOIL **Received Date:** 10/13/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	120	60		mg/Kg	20	10/19/2022 7:02:45 PM	70914
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	6100	290		mg/Kg	20	10/17/2022 10:34:02 PM	70845
Motor Oil Range Organics (MRO)	2200	960		mg/Kg	20	10/17/2022 10:34:02 PM	70845
Surr: DNOP	0	21-129	S	%Rec	20	10/17/2022 10:34:02 PM	70845
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	250	24		mg/Kg	5	10/18/2022 1:58:00 AM	70810
Surr: BFB	312	37.7-212	S	%Rec	5	10/18/2022 1:58:00 AM	70810
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	0.14	0.12		mg/Kg	5	10/18/2022 1:58:00 AM	70810
Toluene	0.30	0.24		mg/Kg	5	10/18/2022 1:58:00 AM	70810
Ethylbenzene	8.2	0.24		mg/Kg	5	10/18/2022 1:58:00 AM	70810
Xylenes, Total	8.6	0.48		mg/Kg	5	10/18/2022 1:58:00 AM	70810
Surr: 4-Bromofluorobenzene	212	70-130	S	%Rec	5	10/18/2022 1:58:00 AM	70810

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

Qualifiers:

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

Analytical Report
Lab Order **2210615**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Client Sample ID:** BH30
Project: Robinson B Federal 1 **Collection Date:** 10/11/2022 2:10:00 PM
Lab ID: 2210615-029 **Matrix:** SOIL **Received Date:** 10/13/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	120	60		mg/Kg	20	10/19/2022 7:15:10 PM	70914
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	6600	290		mg/Kg	20	10/17/2022 11:05:39 PM	70845
Motor Oil Range Organics (MRO)	2800	970		mg/Kg	20	10/17/2022 11:05:39 PM	70845
Surr: DNOP	0	21-129	S	%Rec	20	10/17/2022 11:05:39 PM	70845
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	120	4.7		mg/Kg	1	10/18/2022 2:18:00 AM	70810
Surr: BFB	654	37.7-212	S	%Rec	1	10/18/2022 2:18:00 AM	70810
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	0.13	0.023		mg/Kg	1	10/18/2022 2:18:00 AM	70810
Toluene	ND	0.047		mg/Kg	1	10/18/2022 2:18:00 AM	70810
Ethylbenzene	3.4	0.047		mg/Kg	1	10/18/2022 2:18:00 AM	70810
Xylenes, Total	0.43	0.094		mg/Kg	1	10/18/2022 2:18:00 AM	70810
Surr: 4-Bromofluorobenzene	275	70-130	S	%Rec	1	10/18/2022 2:18:00 AM	70810

Refer to the QC Summary 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 standard limits. If undiluted associated results may be
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

Analytical Report
Lab Order **2210615**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Client Sample ID:** BH31
Project: Robinson B Federal 1 **Collection Date:** 10/11/2022 2:15:00 PM
Lab ID: 2210615-030 **Matrix:** SOIL **Received Date:** 10/13/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	260	60		mg/Kg	20	10/19/2022 7:27:35 PM	70914
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	1300	150		mg/Kg	10	10/17/2022 11:47:36 PM	70845
Motor Oil Range Organics (MRO)	550	500		mg/Kg	10	10/17/2022 11:47:36 PM	70845
Surr: DNOP	0	21-129	S	%Rec	10	10/17/2022 11:47:36 PM	70845
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	20	5.0		mg/Kg	1	10/18/2022 2:38:00 AM	70810
Surr: BFB	181	37.7-212		%Rec	1	10/18/2022 2:38:00 AM	70810
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.025		mg/Kg	1	10/18/2022 2:38:00 AM	70810
Toluene	ND	0.050		mg/Kg	1	10/18/2022 2:38:00 AM	70810
Ethylbenzene	0.051	0.050		mg/Kg	1	10/18/2022 2:38:00 AM	70810
Xylenes, Total	0.16	0.10		mg/Kg	1	10/18/2022 2:38:00 AM	70810
Surr: 4-Bromofluorobenzene	145	70-130	S	%Rec	1	10/18/2022 2:38:00 AM	70810

Refer to the QC Summary 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 standard limits. If undiluted associated results may be
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

Analytical Report
Lab Order **2210615**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Client Sample ID:** BH32
Project: Robinson B Federal 1 **Collection Date:** 10/11/2022 2:20:00 PM
Lab ID: 2210615-031 **Matrix:** SOIL **Received Date:** 10/13/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	120	60		mg/Kg	20	10/19/2022 7:40:00 PM	70914
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	9300	300		mg/Kg	20	10/16/2022 5:14:46 AM	70845
Motor Oil Range Organics (MRO)	4000	990		mg/Kg	20	10/16/2022 5:14:46 AM	70845
Surr: DNOP	0	21-129	S	%Rec	20	10/16/2022 5:14:46 AM	70845
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	400	48		mg/Kg	10	10/19/2022 6:41:00 AM	70810
Surr: BFB	285	37.7-212	S	%Rec	10	10/19/2022 6:41:00 AM	70810
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	0.27	0.24		mg/Kg	10	10/19/2022 6:41:00 AM	70810
Toluene	ND	0.48		mg/Kg	10	10/19/2022 6:41:00 AM	70810
Ethylbenzene	24	0.48		mg/Kg	10	10/19/2022 6:41:00 AM	70810
Xylenes, Total	7.2	0.95		mg/Kg	10	10/19/2022 6:41:00 AM	70810
Surr: 4-Bromofluorobenzene	206	70-130	S	%Rec	10	10/19/2022 6:41:00 AM	70810

Refer to the QC Summary 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 standard limits. If undiluted associated results may be
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

Analytical Report
Lab Order **2210615**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Client Sample ID:** BH33
Project: Robinson B Federal 1 **Collection Date:** 10/11/2022 2:25:00 PM
Lab ID: 2210615-032 **Matrix:** SOIL **Received Date:** 10/13/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	140	59		mg/Kg	20	10/19/2022 7:52:24 PM	70914
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	7800	300		mg/Kg	20	10/18/2022 12:19:03 AM	70845
Motor Oil Range Organics (MRO)	3400	1000		mg/Kg	20	10/18/2022 12:19:03 AM	70845
Surr: DNOP	0	21-129	S	%Rec	20	10/18/2022 12:19:03 AM	70845
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	340	49		mg/Kg	10	10/19/2022 7:20:00 AM	70810
Surr: BFB	259	37.7-212	S	%Rec	10	10/19/2022 7:20:00 AM	70810
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	0.31	0.24		mg/Kg	10	10/19/2022 7:20:00 AM	70810
Toluene	ND	0.49		mg/Kg	10	10/19/2022 7:20:00 AM	70810
Ethylbenzene	17	0.49		mg/Kg	10	10/19/2022 7:20:00 AM	70810
Xylenes, Total	2.4	0.98		mg/Kg	10	10/19/2022 7:20:00 AM	70810
Surr: 4-Bromofluorobenzene	202	70-130	S	%Rec	10	10/19/2022 7:20:00 AM	70810

Refer to the QC Summary 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 standard limits. If undiluted associated results may be
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

Analytical Report
Lab Order **2210615**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Client Sample ID:** BH34
Project: Robinson B Federal 1 **Collection Date:** 10/11/2022 2:30:00 PM
Lab ID: 2210615-033 **Matrix:** SOIL **Received Date:** 10/13/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	210	60		mg/Kg	20	10/19/2022 8:04:48 PM	70914
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	1700	140		mg/Kg	10	10/18/2022 12:50:27 AM	70845
Motor Oil Range Organics (MRO)	710	480		mg/Kg	10	10/18/2022 12:50:27 AM	70845
Surr: DNOP	125	21-129		%Rec	10	10/18/2022 12:50:27 AM	70845
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	23		mg/Kg	5	10/18/2022 4:16:00 AM	70810
Surr: BFB	122	37.7-212		%Rec	5	10/18/2022 4:16:00 AM	70810
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.11		mg/Kg	5	10/18/2022 4:16:00 AM	70810
Toluene	ND	0.23		mg/Kg	5	10/18/2022 4:16:00 AM	70810
Ethylbenzene	ND	0.23		mg/Kg	5	10/18/2022 4:16:00 AM	70810
Xylenes, Total	ND	0.46		mg/Kg	5	10/18/2022 4:16:00 AM	70810
Surr: 4-Bromofluorobenzene	111	70-130		%Rec	5	10/18/2022 4:16:00 AM	70810

Refer to the QC Summary 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 standard limits. If undiluted associated results may be
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

Analytical Report
Lab Order **2210615**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Client Sample ID:** SWP
Project: Robinson B Federal 1 **Collection Date:** 10/11/2022 2:35:00 PM
Lab ID: 2210615-034 **Matrix:** SOIL **Received Date:** 10/13/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	420	60		mg/Kg	20	10/19/2022 8:17:12 PM	70914
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	960	150		mg/Kg	10	10/18/2022 1:21:49 AM	70845
Motor Oil Range Organics (MRO)	830	500		mg/Kg	10	10/18/2022 1:21:49 AM	70845
Surr: DNOP	0	21-129	S	%Rec	10	10/18/2022 1:21:49 AM	70845
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/18/2022 4:35:00 AM	70810
Surr: BFB	109	37.7-212		%Rec	1	10/18/2022 4:35:00 AM	70810
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.025		mg/Kg	1	10/18/2022 4:35:00 AM	70810
Toluene	ND	0.049		mg/Kg	1	10/18/2022 4:35:00 AM	70810
Ethylbenzene	ND	0.049		mg/Kg	1	10/18/2022 4:35:00 AM	70810
Xylenes, Total	ND	0.099		mg/Kg	1	10/18/2022 4:35:00 AM	70810
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	10/18/2022 4:35:00 AM	70810

Refer to the QC Summary 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 standard limits. If undiluted associated results may be
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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2210615**

26-Oct-22

Client: GHD Midland

Project: Robinson B Federal 1

Sample ID: **MB-70907**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **70907**	RunNo: **91893**							
Prep Date: **10/18/2022**	Analysis Date: **10/18/2022**	SeqNo: **3295883**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-70907**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **70907**	RunNo: **91893**							
Prep Date: **10/18/2022**	Analysis Date: **10/18/2022**	SeqNo: **3295884**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.3	90	110			

Sample ID: **2210615-003AMS**	SampType: **ms**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **BH4**	Batch ID: **70907**	RunNo: **91893**							
Prep Date: **10/18/2022**	Analysis Date: **10/18/2022**	SeqNo: **3295894**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	60	30.00	0	0	39.9	163			S

Sample ID: **2210615-003AMSD**	SampType: **msd**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **BH4**	Batch ID: **70907**	RunNo: **91893**							
Prep Date: **10/18/2022**	Analysis Date: **10/18/2022**	SeqNo: **3295895**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	60	30.00	0	0	39.9	163	0	20	S

Sample ID: **MB-70914**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **70914**	RunNo: **91941**							
Prep Date: **10/19/2022**	Analysis Date: **10/19/2022**	SeqNo: **3298265**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-70914**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **70914**	RunNo: **91941**							
Prep Date: **10/19/2022**	Analysis Date: **10/19/2022**	SeqNo: **3298266**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.8	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 standard limits. If undiluted associated results may be
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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2210615**

26-Oct-22

Client: GHD Midland

Project: Robinson B Federal 1

Sample ID: **MB-70836**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **PBS**	Batch ID: **70836**	RunNo: **91843**							
Prep Date: **10/14/2022**	Analysis Date: **10/15/2022**	SeqNo: **3293449**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	12		10.00		117	21	129			

Sample ID: **LCS-70836**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **LCSS**	Batch ID: **70836**	RunNo: **91843**							
Prep Date: **10/14/2022**	Analysis Date: **10/15/2022**	SeqNo: **3293450**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	15	50.00	0	99.7	64.4	127			
Surr: DNOP	5.0		5.000		100	21	129			

Sample ID: **MB-70845**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **PBS**	Batch ID: **70845**	RunNo: **91865**							
Prep Date: **10/14/2022**	Analysis Date: **10/16/2022**	SeqNo: **3294418**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	12		10.00		119	21	129			

Sample ID: **LCS-70830**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **LCSS**	Batch ID: **70830**	RunNo: **91873**							
Prep Date: **10/14/2022**	Analysis Date: **10/15/2022**	SeqNo: **3294754**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	55	15	50.00	0	110	64.4	127			
Surr: DNOP	5.3		5.000		107	21	129			

Sample ID: **MB-70830**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **PBS**	Batch ID: **70830**	RunNo: **91873**							
Prep Date: **10/14/2022**	Analysis Date: **10/15/2022**	SeqNo: **3294805**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		106	21	129			

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 standard limits. If undiluted associated results may be
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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2210615**

26-Oct-22

Client: GHD Midland

Project: Robinson B Federal 1

Sample ID: **LCS-70845** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **LCSS** Batch ID: **70845** RunNo: **91876**

Prep Date: **10/14/2022** Analysis Date: **10/18/2022** SeqNo: **3294868** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	15	50.00	0	99.9	64.4	127			
Surr: DNOP	5.0		5.000		101	21	129			

Sample ID: **2210615-002AMS** SampType: **MS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **BH3** Batch ID: **70836** RunNo: **91876**

Prep Date: **10/14/2022** Analysis Date: **10/18/2022** SeqNo: **3294873** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	260	14	48.22	358.3	-195	36.1	154			S
Surr: DNOP	5.2		4.822		108	21	129			

Sample ID: **2210615-002AMSD** SampType: **MSD** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **BH3** Batch ID: **70836** RunNo: **91876**

Prep Date: **10/14/2022** Analysis Date: **10/18/2022** SeqNo: **3294874** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	190	15	50.10	358.3	-345	36.1	154	35.2	33.9	RS
Surr: DNOP	5.4		5.010		108	21	129	0	0	

Sample ID: **MB-70991** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **PBS** Batch ID: **70991** RunNo: **92014**

Prep Date: **10/21/2022** Analysis Date: **10/24/2022** SeqNo: **3302745** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10		10.00		102	21	129			

Sample ID: **LCS-70991** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **LCSS** Batch ID: **70991** RunNo: **92014**

Prep Date: **10/21/2022** Analysis Date: **10/24/2022** SeqNo: **3302746** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.1		5.000		82.1	21	129			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2210615**

26-Oct-22

Client: GHD Midland

Project: Robinson B Federal 1

Sample ID: **mb-70805**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **70805**	RunNo: **91823**
Prep Date: **10/13/2022**	Analysis Date: **10/16/2022**	SeqNo: **3292470** 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	880		1000		87.6	37.7	212			

Sample ID: **lcs-70805**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **70805**	RunNo: **91823**
Prep Date: **10/13/2022**	Analysis Date: **10/15/2022**	SeqNo: **3292471** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	89.8	72.3	137			
Surr: BFB	1900		1000		186	37.7	212			

Sample ID: **2210615-002ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BH3**	Batch ID: **70806**	RunNo: **91859**
Prep Date: **10/13/2022**	Analysis Date: **10/17/2022**	SeqNo: **3293985** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	20	4.9	24.39	0	81.4	70	130			
Surr: BFB	1900		975.6		200	37.7	212			

Sample ID: **2210615-002amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BH3**	Batch ID: **70806**	RunNo: **91859**
Prep Date: **10/13/2022**	Analysis Date: **10/17/2022**	SeqNo: **3293986** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	20	4.9	24.27	0	81.0	70	130	0.979	20	
Surr: BFB	1900		970.9		200	37.7	212	0	0	

Sample ID: **lcs-70810**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **70810**	RunNo: **91859**
Prep Date: **10/13/2022**	Analysis Date: **10/17/2022**	SeqNo: **3294006** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	20	5.0	25.00	0	78.8	72.3	137			
Surr: BFB	2000		1000		198	37.7	212			

Sample ID: **mb-70810**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **70810**	RunNo: **91859**
Prep Date: **10/13/2022**	Analysis Date: **10/17/2022**	SeqNo: **3294007** 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 standard limits. If undiluted associated results may be
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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2210615**

26-Oct-22

Client: GHD Midland

Project: Robinson B Federal 1

Sample ID: **mb-70810**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **70810**	RunNo: **91859**
Prep Date: **10/13/2022**	Analysis Date: **10/17/2022**	SeqNo: **3294007** 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	920		1000		92.3	37.7	212			

Sample ID: **2210615-022ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BH23**	Batch ID: **70810**	RunNo: **91859**
Prep Date: **10/13/2022**	Analysis Date: **10/17/2022**	SeqNo: **3294009** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	160	24	23.97	162.3	-6.35	70	130			S
Surr: BFB	12000		4794		249	37.7	212			S

Sample ID: **2210615-022amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BH23**	Batch ID: **70810**	RunNo: **91859**
Prep Date: **10/13/2022**	Analysis Date: **10/17/2022**	SeqNo: **3294010** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	160	24	23.83	162.3	10.8	70	130	2.51	20	S
Surr: BFB	12000		4766		253	37.7	212	0	0	S

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted associated results may be
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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2210615**

26-Oct-22

Client: GHD Midland

Project: Robinson B Federal 1

Sample ID: **mb-70805**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **70805**	RunNo: **91823**
Prep Date: **10/13/2022**	Analysis Date: **10/16/2022**	SeqNo: **3292519** 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	0.96		1.000		95.9	70	130			

Sample ID: **LCS-70805**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **70805**	RunNo: **91823**
Prep Date: **10/13/2022**	Analysis Date: **10/15/2022**	SeqNo: **3292520** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.025	1.000	0	97.8	80	120			
Toluene	0.98	0.050	1.000	0	98.4	80	120			
Ethylbenzene	0.98	0.050	1.000	0	97.8	80	120			
Xylenes, Total	2.9	0.10	3.000	0	98.1	80	120			
Surr: 4-Bromofluorobenzene	0.96		1.000		96.2	70	130			

Sample ID: **2210615-003ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BH4**	Batch ID: **70806**	RunNo: **91859**
Prep Date: **10/13/2022**	Analysis Date: **10/17/2022**	SeqNo: **3294034** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.024	0.9461	0	111	68.8	120			
Toluene	1.0	0.047	0.9461	0	110	73.6	124			
Ethylbenzene	1.1	0.047	0.9461	0	112	72.7	129			
Xylenes, Total	3.1	0.095	2.838	0	109	75.7	126			
Surr: 4-Bromofluorobenzene	0.94		0.9461		99.0	70	130			

Sample ID: **2210615-003amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BH4**	Batch ID: **70806**	RunNo: **91859**
Prep Date: **10/13/2022**	Analysis Date: **10/17/2022**	SeqNo: **3294035** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.024	0.9443	0	111	68.8	120	0.382	20	
Toluene	1.0	0.047	0.9443	0	111	73.6	124	0.00553	20	
Ethylbenzene	1.0	0.047	0.9443	0	110	72.7	129	1.96	20	
Xylenes, Total	3.1	0.094	2.833	0	108	75.7	126	1.37	20	
Surr: 4-Bromofluorobenzene	0.97		0.9443		103	70	130	0	0	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2210615**

26-Oct-22

Client: GHD Midland

Project: Robinson B Federal 1

Sample ID: **mb-70810** SampType: **MBLK** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **PBS** Batch ID: **70810** RunNo: **91859**

Prep Date: **10/13/2022** Analysis Date: **10/17/2022** SeqNo: **3294055** 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	1.0		1.000		104	70	130			

Sample ID: **2210615-023ams** SampType: **MS** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **BH24** Batch ID: **70810** RunNo: **91859**

Prep Date: **10/13/2022** Analysis Date: **10/18/2022** SeqNo: **3294058** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.99	0.024	0.9662	0.04246	98.0	68.8	120			
Toluene	1.1	0.048	0.9662	0.1228	98.1	73.6	124			
Ethylbenzene	3.2	0.048	0.9662	2.364	82.4	72.7	129			
Xylenes, Total	4.4	0.097	2.899	1.692	91.9	75.7	126			
Surr: 4-Bromofluorobenzene	2.0		0.9662		211	70	130			S

Sample ID: **2210615-023amsd** SampType: **MSD** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **BH24** Batch ID: **70810** RunNo: **91859**

Prep Date: **10/13/2022** Analysis Date: **10/18/2022** SeqNo: **3294059** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.024	0.9643	0.04246	102	68.8	120	3.53	20	
Toluene	1.2	0.048	0.9643	0.1228	113	73.6	124	12.3	20	
Ethylbenzene	5.6	0.048	0.9643	2.364	338	72.7	129	56.1	20	ERS
Xylenes, Total	6.9	0.096	2.893	1.692	181	75.7	126	45.6	20	RS
Surr: 4-Bromofluorobenzene	2.3		0.9643		237	70	130	0	0	S

Sample ID: **lcs-70810** SampType: **LCS** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **LCSS** Batch ID: **70810** RunNo: **91859**

Prep Date: **10/13/2022** Analysis Date: **10/17/2022** SeqNo: **3294425** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	113	80	120			
Toluene	1.1	0.050	1.000	0	112	80	120			
Ethylbenzene	1.1	0.050	1.000	0	112	80	120			
Xylenes, Total	3.3	0.10	3.000	0	109	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		104	70	130			

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: GHD Midland Work Order Number: 2210615 RcptNo: 1

Received By: Juan Rojas 10/13/2022 7:25:00 AM

Completed By: Tracy Casarrubias 10/13/2022 8:56:45 AM

Reviewed By: KRG 10.13.22

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	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

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

Adjusted? _____

Checked by: JN 10/13/22

Special Handling (if applicable)

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

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.3	Good	Yes			

Released to Imaging: 1/17/2023 10:41:10 AM
Received by OCD: 12/19/2022 1:41:21 PM

Chain-of-Custody Record

Client: GHD

Mailing Address: 324 W Main St.
Artesia, NM 88210

Phone #: (505) 377-4218

email or Fax#: nate.reece@ghd.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☑ Standard ☒ Rush 5 day

Project Name: Robinson B Federal #1

Project #: 1257410

Project Manager: Nate Reece
JT Murrey

Sampler: Liam Giersdorf

On Ice: ☑ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 1.4-0.1=1.3 (°C)

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2210615	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	(Cl, F, Br, NO_3, NO_2, PO_4, SO_4)	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)					
10/11	1130	Soil	BH2	Jar	ice	001	X	X					X	Method 300							
	1135		BH3			002															
	1140		BH4			003															
	1145		BH5			004															
	1150		BH6			005															
	1155		BH7			006															
	1200		BH8			007															
	1205		BH9			008															
	1210		BH10			009															
	1215		BH11			010															
	1220		BH12			011															
	1225		BH13			012															

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
10/12	0800	Liam Giersdorf				
10/12/22	1900				10/12/22	800
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
10/12/22	1900			courier	10/13/22	7:25

Remarks: Please email chase_settle@eogresources.com; jt_murrey@ghd.com; amber_griffin@eogresources.com; liam.giersdorf@ghd.com; matthew_laughlin@ghd.com; along w/ Nate Reece. Bill to Chase Settle, EOG

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

Released to Imaging: 1/17/2023 10:41:10 AM
Received by OCD: 12/19/2022 1:41:21 PM

Chain-of-Custody Record

Client: GHD

Mailing Address: 324 W Main St.
Artesia, NM 88210

Phone #: (505) 377-4218

email or Fax#: nate.reece@ghd.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☑ Standard ☒ Rush 5 Day

Project Name: Robinson B Federal #1

Project #: 12574100

Project Manager: Nate Reece
JT Murrey

Sampler: Liam Gierscdorf

On Ice: ☑ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 1.4+0.1=1.3 (°C)

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2210615	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
10/11	1230	Soil	BH14	Jar	Ice	013	X	X					X	method 300		
	1235		BH15			014										
	1240		BH16			015										
	1245		BH17			016										
	1250		BH18			~~016~~ 017										
	~~1255~~		BH19			018										
	~~1300~~		BH20			~~018~~ 019										
	~~1305~~		BH21			~~019~~ 020										
	1330		BH22			~~020~~ 021										
	1335		BH23			~~021~~ 022										
	1340		BH24			~~022~~ 023										
	1345		BH25			~~023~~ 024										

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
~~10/12~~ 10/11/22	0800	Liam Gierscdorf				
10/11/22	1900			courier	10/13/22	7:25

Remarks: Please email chase_settle@oxyresources.com; jt.murrey@ghd.com; amber_griffin@oxyresources.com; liam.gierscdorf@ghd.com; matthew_laughlin@ghd.com along w/ Nate Reece. Bill to Chase Settle, EOG

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Released to Imaging: 1/17/2023 10:41:10 AM
Received by OCD: 12/19/2022 1:41:21 PM

Chain-of-Custody Record

Client: GHD

Mailing Address: 324 W Main St.
Artesia, NM 88210

Phone #: (505) 377-4218

email or Fax#: nate.reece@ghd.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time:
☑ Standard ☒ Rush 5 Day

Project Name: Robinson B Federal #1

Project #: 12574110

Project Manager: Nate Reece
JT Murrey

Sampler: Liam Giersdorf

On Ice: ☑ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 1.4-0.1=1.3 (°C)

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2201615	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
10/11	1350	Soil	BH26	Jar	Ice	025	X	X					X	method 300		
	1355		BH27			026										
	1400		BH28			027										
	1405		BH29			028										
	1410		BH30			029										
	1415		BH31			030										
	1420		BH32			031										
	1425		BH33			032										
	1430		BH34			033										
	1435		SW9			034										

Date	Time	Relinquished by	Received by	Via	Date	Time
10/12	0800	Liam Giersdorf				
10/13/22	1900			Courier	10/13/22	7:25

Remarks: Please email chase_settle@eogresources.com; jt.murrey@ghd.com; amber_griffin@eogresources.com; liam.giersdorf@ghd.com; matthew.laughlin@ghd.com, along w/ Nate Reece. Bill to Chase Settle, EOG

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

October 26, 2022

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

RE: Robinson B Federal 1 OrderNo.: 2210701

Dear JT Murrey:

Hall Environmental Analysis Laboratory received 28 sample(s) on 10/14/2022 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
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2210701**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: BH35
Project: Robinson B Federal 1
Collection Date: 10/12/2022 12:00:00 PM
Lab ID: 2210701-001 **Matrix:** SOIL **Received Date:** 10/14/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	70	60		mg/Kg	20	10/19/2022 8:29:37 PM	70914
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	88	14		mg/Kg	1	10/19/2022 12:58:52 PM	70859
Motor Oil Range Organics (MRO)	140	48		mg/Kg	1	10/19/2022 12:58:52 PM	70859
Surr: DNOP	106	21-129		%Rec	1	10/19/2022 12:58:52 PM	70859
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/18/2022 11:58:32 AM	70832
Surr: BFB	85.4	37.7-212		%Rec	1	10/18/2022 11:58:32 AM	70832
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	10/18/2022 11:58:32 AM	70832
Toluene	ND	0.049		mg/Kg	1	10/18/2022 11:58:32 AM	70832
Ethylbenzene	ND	0.049		mg/Kg	1	10/18/2022 11:58:32 AM	70832
Xylenes, Total	ND	0.097		mg/Kg	1	10/18/2022 11:58:32 AM	70832
Surr: 4-Bromofluorobenzene	93.5	70-130		%Rec	1	10/18/2022 11:58:32 AM	70832

Refer to the QC Summary 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 standard limits. If undiluted associated results may be
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

Analytical Report
Lab Order **2210701**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: BH36
Project: Robinson B Federal 1
Collection Date: 10/12/2022 12:05:00 PM
Lab ID: 2210701-002 **Matrix:** SOIL **Received Date:** 10/14/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JTT**	
Chloride	ND	60		mg/Kg	20	10/20/2022 2:23:16 PM	70945
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	10/19/2022 1:40:14 AM	70859
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/19/2022 1:40:14 AM	70859
Surr: DNOP	116	21-129		%Rec	1	10/19/2022 1:40:14 AM	70859
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/18/2022 1:09:01 PM	70832
Surr: BFB	86.9	37.7-212		%Rec	1	10/18/2022 1:09:01 PM	70832
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	10/18/2022 1:09:01 PM	70832
Toluene	ND	0.049		mg/Kg	1	10/18/2022 1:09:01 PM	70832
Ethylbenzene	ND	0.049		mg/Kg	1	10/18/2022 1:09:01 PM	70832
Xylenes, Total	ND	0.099		mg/Kg	1	10/18/2022 1:09:01 PM	70832
Surr: 4-Bromofluorobenzene	95.5	70-130		%Rec	1	10/18/2022 1:09:01 PM	70832

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

Qualifiers:

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

Analytical Report
Lab Order **2210701**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: BH37
Project: Robinson B Federal 1
Collection Date: 10/12/2022 12:10:00 PM
Lab ID: 2210701-003 **Matrix:** SOIL **Received Date:** 10/14/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JTT**	
Chloride	66	60		mg/Kg	20	10/20/2022 2:35:36 PM	70945
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/19/2022 2:11:32 AM	70859
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/19/2022 2:11:32 AM	70859
Surr: DNOP	101	21-129		%Rec	1	10/19/2022 2:11:32 AM	70859
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/18/2022 2:19:46 PM	70832
Surr: BFB	86.4	37.7-212		%Rec	1	10/18/2022 2:19:46 PM	70832
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	10/18/2022 2:19:46 PM	70832
Toluene	ND	0.049		mg/Kg	1	10/18/2022 2:19:46 PM	70832
Ethylbenzene	ND	0.049		mg/Kg	1	10/18/2022 2:19:46 PM	70832
Xylenes, Total	ND	0.099		mg/Kg	1	10/18/2022 2:19:46 PM	70832
Surr: 4-Bromofluorobenzene	95.0	70-130		%Rec	1	10/18/2022 2:19:46 PM	70832

Refer to the QC Summary 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 standard limits. If undiluted associated results may be
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

Analytical Report
Lab Order **2210701**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: BH38
Project: Robinson B Federal 1
Collection Date: 10/12/2022 12:15:00 PM
Lab ID: 2210701-004 **Matrix:** SOIL **Received Date:** 10/14/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JTT**	
Chloride	62	60		mg/Kg	20	10/20/2022 2:47:57 PM	70945
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/19/2022 3:00:12 PM	70859
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/19/2022 3:00:12 PM	70859
Surr: DNOP	104	21-129		%Rec	1	10/19/2022 3:00:12 PM	70859
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/18/2022 3:30:35 PM	70832
Surr: BFB	88.7	37.7-212		%Rec	1	10/18/2022 3:30:35 PM	70832
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	10/18/2022 3:30:35 PM	70832
Toluene	ND	0.049		mg/Kg	1	10/18/2022 3:30:35 PM	70832
Ethylbenzene	ND	0.049		mg/Kg	1	10/18/2022 3:30:35 PM	70832
Xylenes, Total	ND	0.098		mg/Kg	1	10/18/2022 3:30:35 PM	70832
Surr: 4-Bromofluorobenzene	96.6	70-130		%Rec	1	10/18/2022 3:30:35 PM	70832

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

Qualifiers:

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

Analytical Report
Lab Order **2210701**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: BH39
Project: Robinson B Federal 1
Collection Date: 10/12/2022 12:20:00 PM
Lab ID: 2210701-005 **Matrix:** SOIL **Received Date:** 10/14/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	ND	60		mg/Kg	20	10/20/2022 11:08:38 AM	70947
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	33	13		mg/Kg	1	10/19/2022 3:54:15 PM	70859
Motor Oil Range Organics (MRO)	180	43		mg/Kg	1	10/19/2022 3:54:15 PM	70859
Surr: DNOP	105	21-129		%Rec	1	10/19/2022 3:54:15 PM	70859
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/18/2022 3:54:02 PM	70832
Surr: BFB	85.1	37.7-212		%Rec	1	10/18/2022 3:54:02 PM	70832
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	10/18/2022 3:54:02 PM	70832
Toluene	ND	0.049		mg/Kg	1	10/18/2022 3:54:02 PM	70832
Ethylbenzene	ND	0.049		mg/Kg	1	10/18/2022 3:54:02 PM	70832
Xylenes, Total	ND	0.099		mg/Kg	1	10/18/2022 3:54:02 PM	70832
Surr: 4-Bromofluorobenzene	92.5	70-130		%Rec	1	10/18/2022 3:54:02 PM	70832

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

Qualifiers:

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

Analytical Report
Lab Order **2210701**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: BH40
Project: Robinson B Federal 1
Collection Date: 10/12/2022 12:25:00 PM
Lab ID: 2210701-006 **Matrix:** SOIL **Received Date:** 10/14/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	ND	60		mg/Kg	20	10/20/2022 11:21:03 AM	70947
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/19/2022 3:03:43 AM	70859
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/19/2022 3:03:43 AM	70859
Surr: DNOP	107	21-129		%Rec	1	10/19/2022 3:03:43 AM	70859
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/18/2022 4:17:28 PM	70832
Surr: BFB	87.8	37.7-212		%Rec	1	10/18/2022 4:17:28 PM	70832
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	10/18/2022 4:17:28 PM	70832
Toluene	ND	0.049		mg/Kg	1	10/18/2022 4:17:28 PM	70832
Ethylbenzene	ND	0.049		mg/Kg	1	10/18/2022 4:17:28 PM	70832
Xylenes, Total	ND	0.099		mg/Kg	1	10/18/2022 4:17:28 PM	70832
Surr: 4-Bromofluorobenzene	96.0	70-130		%Rec	1	10/18/2022 4:17:28 PM	70832

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

Qualifiers:

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

Analytical Report
Lab Order **2210701**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: BH41
Project: Robinson B Federal 1
Collection Date: 10/12/2022 1:00:00 PM
Lab ID: 2210701-007 **Matrix:** SOIL **Received Date:** 10/14/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	250	59		mg/Kg	20	10/20/2022 11:58:15 AM	70947
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	54	15		mg/Kg	1	10/19/2022 4:48:25 PM	70859
Motor Oil Range Organics (MRO)	180	49		mg/Kg	1	10/19/2022 4:48:25 PM	70859
Surr: DNOP	105	21-129		%Rec	1	10/19/2022 4:48:25 PM	70859
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/18/2022 4:40:56 PM	70832
Surr: BFB	85.1	37.7-212		%Rec	1	10/18/2022 4:40:56 PM	70832
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	10/18/2022 4:40:56 PM	70832
Toluene	ND	0.049		mg/Kg	1	10/18/2022 4:40:56 PM	70832
Ethylbenzene	ND	0.049		mg/Kg	1	10/18/2022 4:40:56 PM	70832
Xylenes, Total	ND	0.098		mg/Kg	1	10/18/2022 4:40:56 PM	70832
Surr: 4-Bromofluorobenzene	93.4	70-130		%Rec	1	10/18/2022 4:40:56 PM	70832

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

Qualifiers:

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

Analytical Report
Lab Order **2210701**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: BH42
Project: Robinson B Federal 1
Collection Date: 10/12/2022 1:05:00 PM
Lab ID: 2210701-008 **Matrix:** SOIL **Received Date:** 10/14/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	100	60		mg/Kg	20	10/20/2022 12:10:40 PM	70947
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	10/19/2022 3:45:25 AM	70859
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/19/2022 3:45:25 AM	70859
Surr: DNOP	149	21-129	S	%Rec	1	10/19/2022 3:45:25 AM	70859
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/18/2022 5:04:34 PM	70832
Surr: BFB	87.2	37.7-212		%Rec	1	10/18/2022 5:04:34 PM	70832
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	10/18/2022 5:04:34 PM	70832
Toluene	ND	0.048		mg/Kg	1	10/18/2022 5:04:34 PM	70832
Ethylbenzene	ND	0.048		mg/Kg	1	10/18/2022 5:04:34 PM	70832
Xylenes, Total	ND	0.097		mg/Kg	1	10/18/2022 5:04:34 PM	70832
Surr: 4-Bromofluorobenzene	94.8	70-130		%Rec	1	10/18/2022 5:04:34 PM	70832

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

Qualifiers:

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

Analytical Report
Lab Order **2210701**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: BH43
Project: Robinson B Federal 1
Collection Date: 10/12/2022 1:10:00 PM
Lab ID: 2210701-009 **Matrix:** SOIL **Received Date:** 10/14/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	130	60		mg/Kg	20	10/20/2022 1:12:42 PM	70947
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/19/2022 4:06:15 AM	70859
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/19/2022 4:06:15 AM	70859
Surr: DNOP	108	21-129		%Rec	1	10/19/2022 4:06:15 AM	70859
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/18/2022 5:27:56 PM	70832
Surr: BFB	86.3	37.7-212		%Rec	1	10/18/2022 5:27:56 PM	70832
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	10/18/2022 5:27:56 PM	70832
Toluene	ND	0.049		mg/Kg	1	10/18/2022 5:27:56 PM	70832
Ethylbenzene	ND	0.049		mg/Kg	1	10/18/2022 5:27:56 PM	70832
Xylenes, Total	ND	0.098		mg/Kg	1	10/18/2022 5:27:56 PM	70832
Surr: 4-Bromofluorobenzene	94.4	70-130		%Rec	1	10/18/2022 5:27:56 PM	70832

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

Qualifiers:

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

Analytical Report
Lab Order **2210701**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: BH44
Project: Robinson B Federal 1
Collection Date: 10/12/2022 1:15:00 PM
Lab ID: 2210701-010 **Matrix:** SOIL **Received Date:** 10/14/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	81	60		mg/Kg	20	10/20/2022 1:25:06 PM	70947
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	10/19/2022 4:16:45 AM	70859
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	10/19/2022 4:16:45 AM	70859
Surr: DNOP	115	21-129		%Rec	1	10/19/2022 4:16:45 AM	70859
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/18/2022 5:51:28 PM	70832
Surr: BFB	86.9	37.7-212		%Rec	1	10/18/2022 5:51:28 PM	70832
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	10/18/2022 5:51:28 PM	70832
Toluene	ND	0.050		mg/Kg	1	10/18/2022 5:51:28 PM	70832
Ethylbenzene	ND	0.050		mg/Kg	1	10/18/2022 5:51:28 PM	70832
Xylenes, Total	ND	0.099		mg/Kg	1	10/18/2022 5:51:28 PM	70832
Surr: 4-Bromofluorobenzene	94.5	70-130		%Rec	1	10/18/2022 5:51:28 PM	70832

Refer to the QC Summary 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 standard limits. If undiluted associated results may be
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

Analytical Report
Lab Order **2210701**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Client Sample ID:** BH45
Project: Robinson B Federal 1 **Collection Date:** 10/12/2022 1:20:00 PM
Lab ID: 2210701-011 **Matrix:** SOIL **Received Date:** 10/14/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	150	60		mg/Kg	20	10/20/2022 1:37:30 PM	70947
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/19/2022 4:48:00 AM	70859
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/19/2022 4:48:00 AM	70859
Surr: DNOP	122	21-129		%Rec	1	10/19/2022 4:48:00 AM	70859
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/18/2022 6:14:51 PM	70832
Surr: BFB	87.5	37.7-212		%Rec	1	10/18/2022 6:14:51 PM	70832
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	10/18/2022 6:14:51 PM	70832
Toluene	ND	0.049		mg/Kg	1	10/18/2022 6:14:51 PM	70832
Ethylbenzene	ND	0.049		mg/Kg	1	10/18/2022 6:14:51 PM	70832
Xylenes, Total	ND	0.099		mg/Kg	1	10/18/2022 6:14:51 PM	70832
Surr: 4-Bromofluorobenzene	93.8	70-130		%Rec	1	10/18/2022 6:14:51 PM	70832

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

Qualifiers:

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

Analytical Report
Lab Order **2210701**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: SW10
Project: Robinson B Federal 1
Collection Date: 10/12/2022 1:25:00 PM
Lab ID: 2210701-012 **Matrix:** SOIL **Received Date:** 10/14/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	190	60		mg/Kg	20	10/20/2022 1:49:55 PM	70947
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	5800	140		mg/Kg	10	10/19/2022 5:19:12 AM	70859
Motor Oil Range Organics (MRO)	2200	450		mg/Kg	10	10/19/2022 5:19:12 AM	70859
Surr: DNOP	0	21-129	S	%Rec	10	10/19/2022 5:19:12 AM	70859
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	1100	25		mg/Kg	5	10/18/2022 6:38:28 PM	70832
Surr: BFB	1160	37.7-212	S	%Rec	5	10/18/2022 6:38:28 PM	70832
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	4.3	0.12		mg/Kg	5	10/18/2022 6:38:28 PM	70832
Toluene	ND	0.25		mg/Kg	5	10/18/2022 6:38:28 PM	70832
Ethylbenzene	77	2.5		mg/Kg	50	10/19/2022 7:34:05 PM	70832
Xylenes, Total	24	0.49		mg/Kg	5	10/18/2022 6:38:28 PM	70832
Surr: 4-Bromofluorobenzene	262	70-130	S	%Rec	5	10/18/2022 6:38:28 PM	70832

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

Qualifiers:

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

Analytical Report
Lab Order **2210701**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: SW11
Project: Robinson B Federal 1
Collection Date: 10/12/2022 1:30:00 PM
Lab ID: 2210701-013 **Matrix:** SOIL **Received Date:** 10/14/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	170	59		mg/Kg	20	10/20/2022 2:02:19 PM	70947
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	32	15		mg/Kg	1	10/19/2022 5:50:22 AM	70859
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/19/2022 5:50:22 AM	70859
Surr: DNOP	118	21-129		%Rec	1	10/19/2022 5:50:22 AM	70859
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/18/2022 7:02:04 PM	70832
Surr: BFB	112	37.7-212		%Rec	1	10/18/2022 7:02:04 PM	70832
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	10/19/2022 7:10:28 PM	70832
Toluene	ND	0.049		mg/Kg	1	10/19/2022 7:10:28 PM	70832
Ethylbenzene	ND	0.049		mg/Kg	1	10/19/2022 7:10:28 PM	70832
Xylenes, Total	ND	0.098		mg/Kg	1	10/19/2022 7:10:28 PM	70832
Surr: 4-Bromofluorobenzene	91.0	70-130		%Rec	1	10/19/2022 7:10:28 PM	70832

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

Qualifiers:

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

Analytical Report
Lab Order **2210701**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: SW12
Project: Robinson B Federal 1
Collection Date: 10/12/2022 1:35:00 PM
Lab ID: 2210701-014 **Matrix:** SOIL **Received Date:** 10/14/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	270	60		mg/Kg	20	10/20/2022 2:14:44 PM	70947
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	180	15		mg/Kg	1	10/19/2022 6:21:43 AM	70859
Motor Oil Range Organics (MRO)	74	49		mg/Kg	1	10/19/2022 6:21:43 AM	70859
Surr: DNOP	108	21-129		%Rec	1	10/19/2022 6:21:43 AM	70859
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/18/2022 8:12:54 PM	70832
Surr: BFB	98.3	37.7-212		%Rec	1	10/18/2022 8:12:54 PM	70832
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	10/18/2022 8:12:54 PM	70832
Toluene	ND	0.049		mg/Kg	1	10/18/2022 8:12:54 PM	70832
Ethylbenzene	0.075	0.049		mg/Kg	1	10/18/2022 8:12:54 PM	70832
Xylenes, Total	ND	0.097		mg/Kg	1	10/18/2022 8:12:54 PM	70832
Surr: 4-Bromofluorobenzene	92.4	70-130		%Rec	1	10/18/2022 8:12:54 PM	70832

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

Qualifiers:

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

Analytical Report
Lab Order **2210701**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: SW13
Project: Robinson B Federal 1
Collection Date: 10/12/2022 1:40:00 PM
Lab ID: 2210701-015 **Matrix:** SOIL **Received Date:** 10/14/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	250	60		mg/Kg	20	10/20/2022 2:27:08 PM	70947
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	10/19/2022 6:53:03 AM	70859
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	10/19/2022 6:53:03 AM	70859
Surr: DNOP	109	21-129		%Rec	1	10/19/2022 6:53:03 AM	70859
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/18/2022 8:36:27 PM	70832
Surr: BFB	85.5	37.7-212		%Rec	1	10/18/2022 8:36:27 PM	70832
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	10/18/2022 8:36:27 PM	70832
Toluene	ND	0.048		mg/Kg	1	10/18/2022 8:36:27 PM	70832
Ethylbenzene	ND	0.048		mg/Kg	1	10/18/2022 8:36:27 PM	70832
Xylenes, Total	ND	0.097		mg/Kg	1	10/18/2022 8:36:27 PM	70832
Surr: 4-Bromofluorobenzene	93.0	70-130		%Rec	1	10/18/2022 8:36:27 PM	70832

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

Qualifiers:

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

Analytical Report
Lab Order **2210701**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: SW14
Project: Robinson B Federal 1
Collection Date: 10/12/2022 1:45:00 PM
Lab ID: 2210701-016 **Matrix:** SOIL **Received Date:** 10/14/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	610	60		mg/Kg	20	10/20/2022 2:39:33 PM	70947
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/19/2022 7:03:43 AM	70859
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/19/2022 7:03:43 AM	70859
Surr: DNOP	111	21-129		%Rec	1	10/19/2022 7:03:43 AM	70859
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/18/2022 8:59:57 PM	70832
Surr: BFB	87.0	37.7-212		%Rec	1	10/18/2022 8:59:57 PM	70832
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	10/18/2022 8:59:57 PM	70832
Toluene	ND	0.050		mg/Kg	1	10/18/2022 8:59:57 PM	70832
Ethylbenzene	ND	0.050		mg/Kg	1	10/18/2022 8:59:57 PM	70832
Xylenes, Total	ND	0.10		mg/Kg	1	10/18/2022 8:59:57 PM	70832
Surr: 4-Bromofluorobenzene	94.0	70-130		%Rec	1	10/18/2022 8:59:57 PM	70832

Refer to the QC Summary 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 standard limits. If undiluted associated results may be
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

Analytical Report
Lab Order **2210701**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: SW15
Project: Robinson B Federal 1
Collection Date: 10/12/2022 1:50:00 PM
Lab ID: 2210701-017 **Matrix:** SOIL **Received Date:** 10/14/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	1200	60		mg/Kg	20	10/20/2022 2:51:57 PM	70947
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	860	30		mg/Kg	2	10/19/2022 4:28:53 PM	70859
Motor Oil Range Organics (MRO)	430	99		mg/Kg	2	10/19/2022 4:28:53 PM	70859
Surr: DNOP	118	21-129		%Rec	2	10/19/2022 4:28:53 PM	70859
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	250	25		mg/Kg	5	10/18/2022 9:23:25 PM	70832
Surr: BFB	322	37.7-212	S	%Rec	5	10/18/2022 9:23:25 PM	70832
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	0.31	0.12		mg/Kg	5	10/18/2022 9:23:25 PM	70832
Toluene	ND	0.25		mg/Kg	5	10/18/2022 9:23:25 PM	70832
Ethylbenzene	11	0.25		mg/Kg	5	10/18/2022 9:23:25 PM	70832
Xylenes, Total	9.1	0.50		mg/Kg	5	10/18/2022 9:23:25 PM	70832
Surr: 4-Bromofluorobenzene	126	70-130		%Rec	5	10/18/2022 9:23:25 PM	70832

Refer to the QC Summary 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 standard limits. If undiluted associated results may be
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

Analytical Report
Lab Order **2210701**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: SW16
Project: Robinson B Federal 1
Collection Date: 10/12/2022 1:55:00 PM
Lab ID: 2210701-018 **Matrix:** SOIL **Received Date:** 10/14/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	730	60		mg/Kg	20	10/20/2022 3:04:21 PM	70947
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	270	15		mg/Kg	1	10/21/2022 10:57:15 AM	70859
Motor Oil Range Organics (MRO)	420	49		mg/Kg	1	10/21/2022 10:57:15 AM	70859
Surr: DNOP	109	21-129		%Rec	1	10/21/2022 10:57:15 AM	70859
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/18/2022 9:46:59 PM	70832
Surr: BFB	91.0	37.7-212		%Rec	1	10/18/2022 9:46:59 PM	70832
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	10/18/2022 9:46:59 PM	70832
Toluene	ND	0.050		mg/Kg	1	10/18/2022 9:46:59 PM	70832
Ethylbenzene	ND	0.050		mg/Kg	1	10/18/2022 9:46:59 PM	70832
Xylenes, Total	ND	0.10		mg/Kg	1	10/18/2022 9:46:59 PM	70832
Surr: 4-Bromofluorobenzene	93.4	70-130		%Rec	1	10/18/2022 9:46:59 PM	70832

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

Qualifiers:

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

Analytical Report
Lab Order **2210701**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: SW17
Project: Robinson B Federal 1
Collection Date: 10/12/2022 2:00:00 PM
Lab ID: 2210701-019 **Matrix:** SOIL **Received Date:** 10/14/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	1000	60		mg/Kg	20	10/20/2022 3:41:33 PM	70947
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	620	68		mg/Kg	5	10/19/2022 4:52:28 PM	70859
Motor Oil Range Organics (MRO)	600	230		mg/Kg	5	10/19/2022 4:52:28 PM	70859
Surr: DNOP	114	21-129		%Rec	5	10/19/2022 4:52:28 PM	70859
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	18	4.9		mg/Kg	1	10/18/2022 10:10:24 PM	70832
Surr: BFB	202	37.7-212		%Rec	1	10/18/2022 10:10:24 PM	70832
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	10/18/2022 10:10:24 PM	70832
Toluene	ND	0.049		mg/Kg	1	10/18/2022 10:10:24 PM	70832
Ethylbenzene	0.25	0.049		mg/Kg	1	10/18/2022 10:10:24 PM	70832
Xylenes, Total	0.24	0.097		mg/Kg	1	10/18/2022 10:10:24 PM	70832
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	10/18/2022 10:10:24 PM	70832

Refer to the QC Summary 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 standard limits. If undiluted associated results may be
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

Analytical Report
Lab Order **2210701**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: SW18
Project: Robinson B Federal 1
Collection Date: 10/12/2022 2:05:00 PM
Lab ID: 2210701-020 **Matrix:** SOIL **Received Date:** 10/14/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	97	60		mg/Kg	20	10/20/2022 3:53:57 PM	70947
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	3800	150		mg/Kg	10	10/19/2022 8:17:20 AM	70859
Motor Oil Range Organics (MRO)	1300	490		mg/Kg	10	10/19/2022 8:17:20 AM	70859
Surr: DNOP	0	21-129	S	%Rec	10	10/19/2022 8:17:20 AM	70859
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	640	50		mg/Kg	10	10/19/2022 7:57:45 PM	70832
Surr: BFB	357	37.7-212	S	%Rec	10	10/19/2022 7:57:45 PM	70832
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	1.4	0.025		mg/Kg	1	10/18/2022 10:33:48 PM	70832
Toluene	8.1	0.50		mg/Kg	10	10/19/2022 7:57:45 PM	70832
Ethylbenzene	23	0.50		mg/Kg	10	10/19/2022 7:57:45 PM	70832
Xylenes, Total	28	1.0		mg/Kg	10	10/19/2022 7:57:45 PM	70832
Surr: 4-Bromofluorobenzene	125	70-130		%Rec	10	10/19/2022 7:57:45 PM	70832

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

Qualifiers:

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

Analytical Report
Lab Order **2210701**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: SW19
Project: Robinson B Federal 1
Collection Date: 10/12/2022 2:10:00 PM
Lab ID: 2210701-021 **Matrix:** SOIL **Received Date:** 10/14/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	150	60		mg/Kg	20	10/20/2022 4:06:22 PM	70947
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/19/2022 5:44:45 PM	70909
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/19/2022 5:44:45 PM	70909
Surr: DNOP	100	21-129		%Rec	1	10/19/2022 5:44:45 PM	70909
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/17/2022 10:40:05 AM	70835
Surr: BFB	85.9	37.7-212		%Rec	1	10/17/2022 10:40:05 AM	70835
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	10/17/2022 10:40:05 AM	70835
Toluene	ND	0.050		mg/Kg	1	10/17/2022 10:40:05 AM	70835
Ethylbenzene	ND	0.050		mg/Kg	1	10/17/2022 10:40:05 AM	70835
Xylenes, Total	ND	0.10		mg/Kg	1	10/17/2022 10:40:05 AM	70835
Surr: 4-Bromofluorobenzene	93.6	70-130		%Rec	1	10/17/2022 10:40:05 AM	70835

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

Qualifiers:

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

Analytical Report
Lab Order **2210701**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: SW20
Project: Robinson B Federal 1
Collection Date: 10/12/2022 2:15:00 PM
Lab ID: 2210701-022 **Matrix:** SOIL **Received Date:** 10/14/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	120	59		mg/Kg	20	10/20/2022 4:18:47 PM	70947
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	10/19/2022 5:16:23 PM	70909
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/19/2022 5:16:23 PM	70909
Surr: DNOP	118	21-129		%Rec	1	10/19/2022 5:16:23 PM	70909
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/17/2022 11:50:21 AM	70835
Surr: BFB	85.5	37.7-212		%Rec	1	10/17/2022 11:50:21 AM	70835
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	10/17/2022 11:50:21 AM	70835
Toluene	ND	0.050		mg/Kg	1	10/17/2022 11:50:21 AM	70835
Ethylbenzene	ND	0.050		mg/Kg	1	10/17/2022 11:50:21 AM	70835
Xylenes, Total	ND	0.10		mg/Kg	1	10/17/2022 11:50:21 AM	70835
Surr: 4-Bromofluorobenzene	93.5	70-130		%Rec	1	10/17/2022 11:50:21 AM	70835

Refer to the QC Summary 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 standard limits. If undiluted associated results may be
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

Analytical Report
Lab Order **2210701**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: SW21
Project: Robinson B Federal 1
Collection Date: 10/12/2022 2:20:00 PM
Lab ID: 2210701-023 **Matrix:** SOIL **Received Date:** 10/14/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	ND	60		mg/Kg	20	10/20/2022 4:31:11 PM	70947
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	10/19/2022 5:40:29 PM	70909
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/19/2022 5:40:29 PM	70909
Surr: DNOP	101	21-129		%Rec	1	10/19/2022 5:40:29 PM	70909
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/18/2022 12:46:16 AM	70835
Surr: BFB	86.9	37.7-212		%Rec	1	10/18/2022 12:46:16 AM	70835
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	10/18/2022 12:46:16 AM	70835
Toluene	ND	0.049		mg/Kg	1	10/18/2022 12:46:16 AM	70835
Ethylbenzene	ND	0.049		mg/Kg	1	10/18/2022 12:46:16 AM	70835
Xylenes, Total	ND	0.099		mg/Kg	1	10/18/2022 12:46:16 AM	70835
Surr: 4-Bromofluorobenzene	95.0	70-130		%Rec	1	10/18/2022 12:46:16 AM	70835

Refer to the QC Summary 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 standard limits. If undiluted associated results may be
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

Analytical Report
Lab Order **2210701**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: SW22
Project: Robinson B Federal 1
Collection Date: 10/12/2022 2:25:00 PM
Lab ID: 2210701-024 **Matrix:** SOIL **Received Date:** 10/14/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	ND	59		mg/Kg	20	10/20/2022 4:43:36 PM	70947
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	340	14		mg/Kg	1	10/20/2022 12:44:08 PM	70909
Motor Oil Range Organics (MRO)	460	47		mg/Kg	1	10/20/2022 12:44:08 PM	70909
Surr: DNOP	107	21-129		%Rec	1	10/20/2022 12:44:08 PM	70909
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/18/2022 1:09:47 AM	70835
Surr: BFB	84.1	37.7-212		%Rec	1	10/18/2022 1:09:47 AM	70835
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	10/18/2022 1:09:47 AM	70835
Toluene	ND	0.048		mg/Kg	1	10/18/2022 1:09:47 AM	70835
Ethylbenzene	ND	0.048		mg/Kg	1	10/18/2022 1:09:47 AM	70835
Xylenes, Total	ND	0.097		mg/Kg	1	10/18/2022 1:09:47 AM	70835
Surr: 4-Bromofluorobenzene	91.0	70-130		%Rec	1	10/18/2022 1:09:47 AM	70835

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

Qualifiers:

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

Analytical Report
Lab Order **2210701**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: SW23
Project: Robinson B Federal 1
Collection Date: 10/12/2022 2:30:00 PM
Lab ID: 2210701-025 **Matrix:** SOIL **Received Date:** 10/14/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JTT**	
Chloride	ND	60		mg/Kg	20	10/20/2022 3:49:39 PM	70948
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	10/20/2022 1:55:00 PM	70909
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/20/2022 1:55:00 PM	70909
Surr: DNOP	106	21-129		%Rec	1	10/20/2022 1:55:00 PM	70909
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/18/2022 1:33:22 AM	70835
Surr: BFB	85.2	37.7-212		%Rec	1	10/18/2022 1:33:22 AM	70835
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	10/18/2022 1:33:22 AM	70835
Toluene	ND	0.049		mg/Kg	1	10/18/2022 1:33:22 AM	70835
Ethylbenzene	ND	0.049		mg/Kg	1	10/18/2022 1:33:22 AM	70835
Xylenes, Total	ND	0.097		mg/Kg	1	10/18/2022 1:33:22 AM	70835
Surr: 4-Bromofluorobenzene	93.0	70-130		%Rec	1	10/18/2022 1:33:22 AM	70835

Refer to the QC Summary 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 standard limits. If undiluted associated results may be
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

Analytical Report
Lab Order **2210701**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: SW24
Project: Robinson B Federal 1
Collection Date: 10/12/2022 2:35:00 PM
Lab ID: 2210701-026 **Matrix:** SOIL **Received Date:** 10/14/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JTT**	
Chloride	ND	60		mg/Kg	20	10/20/2022 4:26:41 PM	70948
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/19/2022 6:53:13 PM	70909
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/19/2022 6:53:13 PM	70909
Surr: DNOP	96.9	21-129		%Rec	1	10/19/2022 6:53:13 PM	70909
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/18/2022 2:20:28 AM	70835
Surr: BFB	86.7	37.7-212		%Rec	1	10/18/2022 2:20:28 AM	70835
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	10/18/2022 2:20:28 AM	70835
Toluene	ND	0.049		mg/Kg	1	10/18/2022 2:20:28 AM	70835
Ethylbenzene	ND	0.049		mg/Kg	1	10/18/2022 2:20:28 AM	70835
Xylenes, Total	ND	0.097		mg/Kg	1	10/18/2022 2:20:28 AM	70835
Surr: 4-Bromofluorobenzene	93.5	70-130		%Rec	1	10/18/2022 2:20:28 AM	70835

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

Qualifiers:

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

Analytical Report
Lab Order **2210701**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: SW25
Project: Robinson B Federal 1
Collection Date: 10/12/2022 2:40:00 PM
Lab ID: 2210701-027 **Matrix:** SOIL **Received Date:** 10/14/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JTT**	
Chloride	ND	60		mg/Kg	20	10/20/2022 5:03:43 PM	70948
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	10/19/2022 7:17:28 PM	70909
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/19/2022 7:17:28 PM	70909
Surr: DNOP	99.6	21-129		%Rec	1	10/19/2022 7:17:28 PM	70909
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/18/2022 2:43:54 AM	70835
Surr: BFB	86.8	37.7-212		%Rec	1	10/18/2022 2:43:54 AM	70835
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	10/18/2022 2:43:54 AM	70835
Toluene	ND	0.048		mg/Kg	1	10/18/2022 2:43:54 AM	70835
Ethylbenzene	ND	0.048		mg/Kg	1	10/18/2022 2:43:54 AM	70835
Xylenes, Total	ND	0.096		mg/Kg	1	10/18/2022 2:43:54 AM	70835
Surr: 4-Bromofluorobenzene	94.0	70-130		%Rec	1	10/18/2022 2:43:54 AM	70835

Refer to the QC Summary 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 standard limits. If undiluted associated results may be
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

Analytical Report
Lab Order **2210701**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Client Sample ID:** SW26
Project: Robinson B Federal 1 **Collection Date:** 10/12/2022 2:45:00 PM
Lab ID: 2210701-028 **Matrix:** SOIL **Received Date:** 10/14/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JTT**	
Chloride	ND	59		mg/Kg	20	10/20/2022 5:16:03 PM	70948
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/19/2022 7:41:40 PM	70909
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/19/2022 7:41:40 PM	70909
Surr: DNOP	102	21-129		%Rec	1	10/19/2022 7:41:40 PM	70909
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/18/2022 3:07:28 AM	70835
Surr: BFB	86.7	37.7-212		%Rec	1	10/18/2022 3:07:28 AM	70835
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	10/18/2022 3:07:28 AM	70835
Toluene	ND	0.049		mg/Kg	1	10/18/2022 3:07:28 AM	70835
Ethylbenzene	ND	0.049		mg/Kg	1	10/18/2022 3:07:28 AM	70835
Xylenes, Total	ND	0.098		mg/Kg	1	10/18/2022 3:07:28 AM	70835
Surr: 4-Bromofluorobenzene	94.2	70-130		%Rec	1	10/18/2022 3:07:28 AM	70835

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

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2210701**

26-Oct-22

Client: GHD Midland

Project: Robinson B Federal 1

Sample ID: **MB-70914**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **70914**	RunNo: **91941**							
Prep Date: **10/19/2022**	Analysis Date: **10/19/2022**	SeqNo: **3298265**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-70914**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **70914**	RunNo: **91941**							
Prep Date: **10/19/2022**	Analysis Date: **10/19/2022**	SeqNo: **3298266**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.8	90	110			

Sample ID: **MB-70945**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **70945**	RunNo: **91958**							
Prep Date: **10/20/2022**	Analysis Date: **10/20/2022**	SeqNo: **3299494**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-70945**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **70945**	RunNo: **91958**							
Prep Date: **10/20/2022**	Analysis Date: **10/20/2022**	SeqNo: **3299495**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.3	90	110			

Sample ID: **MB-70948**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **70948**	RunNo: **91958**							
Prep Date: **10/20/2022**	Analysis Date: **10/20/2022**	SeqNo: **3299524**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-70948**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **70948**	RunNo: **91958**							
Prep Date: **10/20/2022**	Analysis Date: **10/20/2022**	SeqNo: **3299525**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.0	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted associated results may be
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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2210701**

26-Oct-22

Client: GHD Midland

Project: Robinson B Federal 1

Sample ID: **MB-70947**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **70947**	RunNo: **91977**
Prep Date: **10/20/2022**	Analysis Date: **10/20/2022**	SeqNo: **3299792** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-70947**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **70947**	RunNo: **91977**
Prep Date: **10/20/2022**	Analysis Date: **10/20/2022**	SeqNo: **3299793** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.8	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 standard limits. If undiluted associated results may be
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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2210701**

26-Oct-22

Client: GHD Midland

Project: Robinson B Federal 1

Sample ID: **LCS-70879**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **70879**	RunNo: **91878**
Prep Date: **10/17/2022**	Analysis Date: **10/18/2022**	SeqNo: **3294924** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	6.0		5.000		121	21	129			

Sample ID: **LCSD-70879**	SampType: **LCSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS02**	Batch ID: **70879**	RunNo: **91878**
Prep Date: **10/17/2022**	Analysis Date: **10/18/2022**	SeqNo: **3294925** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.7		5.000		113	21	129	0	0	

Sample ID: **MB-70879**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **70879**	RunNo: **91878**
Prep Date: **10/17/2022**	Analysis Date: **10/18/2022**	SeqNo: **3294926** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	14		10.00		142	21	129			S

Sample ID: **LCS-70859**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **70859**	RunNo: **91878**
Prep Date: **10/17/2022**	Analysis Date: **10/19/2022**	SeqNo: **3295725** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	15	50.00	0	99.6	64.4	127			
Surr: DNOP	5.1		5.000		102	21	129			

Sample ID: **MB-70859**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **70859**	RunNo: **91878**
Prep Date: **10/17/2022**	Analysis Date: **10/19/2022**	SeqNo: **3295729** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	12		10.00		120	21	129			

Sample ID: **MB-70909**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **70909**	RunNo: **91929**
Prep Date: **10/18/2022**	Analysis Date: **10/19/2022**	SeqNo: **3297767** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2210701**

26-Oct-22

Client: GHD Midland

Project: Robinson B Federal 1

Sample ID: **MB-70909**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **PBS**	Batch ID: **70909**	RunNo: **91929**							
Prep Date: **10/18/2022**	Analysis Date: **10/19/2022**	SeqNo: **3297767**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10		10.00		102	21	129			

Sample ID: **LCS-70909**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **LCSS**	Batch ID: **70909**	RunNo: **91929**							
Prep Date: **10/18/2022**	Analysis Date: **10/19/2022**	SeqNo: **3297768**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52	15	50.00	0	105	64.4	127			
Surr: DNOP	5.1		5.000		102	21	129			

Sample ID: **2210701-001AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **BH35**	Batch ID: **70859**	RunNo: **91929**							
Prep Date: **10/17/2022**	Analysis Date: **10/19/2022**	SeqNo: **3297778**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	170	14	47.98	87.62	162	36.1	154			S
Surr: DNOP	4.9		4.798		103	21	129			

Sample ID: **2210701-001AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **BH35**	Batch ID: **70859**	RunNo: **91929**							
Prep Date: **10/17/2022**	Analysis Date: **10/19/2022**	SeqNo: **3297779**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	180	13	41.95	87.62	219	36.1	154	7.96	33.9	S
Surr: DNOP	4.3		4.195		103	21	129	0	0	

Sample ID: **2210701-021AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **SW19**	Batch ID: **70909**	RunNo: **91929**							
Prep Date: **10/18/2022**	Analysis Date: **10/19/2022**	SeqNo: **3297796**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	14	45.91	0	95.3	36.1	154			
Surr: DNOP	4.8		4.591		104	21	129			

Sample ID: **2210701-021AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **SW19**	Batch ID: **70909**	RunNo: **91929**							
Prep Date: **10/18/2022**	Analysis Date: **10/19/2022**	SeqNo: **3297797**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	15	49.90	0	90.7	36.1	154	3.37	33.9	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2210701**

26-Oct-22

Client: GHD Midland

Project: Robinson B Federal 1

Sample ID: **2210701-021AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **SW19**	Batch ID: **70909**	RunNo: **91929**
Prep Date: **10/18/2022**	Analysis Date: **10/19/2022**	SeqNo: **3297797** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.0		4.990		101	21	129	0	0	

Sample ID: **MB-70965**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **70965**	RunNo: **91984**
Prep Date: **10/20/2022**	Analysis Date: **10/21/2022**	SeqNo: **3301050** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.9		10.00		99.5	21	129			

Sample ID: **LCS-70965**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **70965**	RunNo: **91984**
Prep Date: **10/20/2022**	Analysis Date: **10/21/2022**	SeqNo: **3301051** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.7		5.000		93.1	21	129			

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 standard limits. If undiluted associated results may be
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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2210701**

26-Oct-22

Client: GHD Midland

Project: Robinson B Federal 1

Sample ID: **mb-70835**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **70835**	RunNo: **91849**
Prep Date: **10/14/2022**	Analysis Date: **10/17/2022**	SeqNo: **3293582** 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	860		1000		86.0	37.7	212			

Sample ID: **lcs-70835**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **70835**	RunNo: **91849**
Prep Date: **10/14/2022**	Analysis Date: **10/17/2022**	SeqNo: **3293583** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	86.6	72.3	137			
Surr: BFB	1800		1000		181	37.7	212			

Sample ID: **2210701-021ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **SW19**	Batch ID: **70835**	RunNo: **91849**
Prep Date: **10/14/2022**	Analysis Date: **10/17/2022**	SeqNo: **3293585** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	19	4.9	24.73	0	78.2	70	130			
Surr: BFB	1800		989.1		180	37.7	212			

Sample ID: **2210701-021amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **SW19**	Batch ID: **70835**	RunNo: **91849**
Prep Date: **10/14/2022**	Analysis Date: **10/17/2022**	SeqNo: **3293586** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	4.9	24.41	0	87.0	70	130	9.38	20	
Surr: BFB	1800		976.6		184	37.7	212	0	0	

Sample ID: **mb-70832**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **70832**	RunNo: **91887**
Prep Date: **10/14/2022**	Analysis Date: **10/18/2022**	SeqNo: **3295371** 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	870		1000		87.1	37.7	212			

Sample ID: **lcs-70832**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **70832**	RunNo: **91887**
Prep Date: **10/14/2022**	Analysis Date: **10/18/2022**	SeqNo: **3295372** 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 standard limits. If undiluted associated results may be
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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2210701**

26-Oct-22

Client: GHD Midland

Project: Robinson B Federal 1

Sample ID: **lcs-70832**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **70832**	RunNo: **91887**
Prep Date: **10/14/2022**	Analysis Date: **10/18/2022**	SeqNo: **3295372** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	90.8	72.3	137			
Surr: BFB	1800		1000		185	37.7	212			

Sample ID: **2210701-001ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BH35**	Batch ID: **70832**	RunNo: **91887**
Prep Date: **10/14/2022**	Analysis Date: **10/18/2022**	SeqNo: **3295374** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	18	5.0	24.83	0	73.0	70	130			
Surr: BFB	1700		993.0		168	37.7	212			

Sample ID: **2210701-001amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BH35**	Batch ID: **70832**	RunNo: **91887**
Prep Date: **10/14/2022**	Analysis Date: **10/18/2022**	SeqNo: **3295375** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	18	4.9	24.44	0	73.1	70	130	1.41	20	
Surr: BFB	1600		977.5		168	37.7	212	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 standard limits. If undiluted associated results may be
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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2210701**

26-Oct-22

Client: GHD Midland

Project: Robinson B Federal 1

Sample ID: **mb-70835**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **70835**	RunNo: **91849**
Prep Date: **10/14/2022**	Analysis Date: **10/17/2022**	SeqNo: **3293628** 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	0.94		1.000		94.2	70	130			

Sample ID: **LCS-70835**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **70835**	RunNo: **91849**
Prep Date: **10/14/2022**	Analysis Date: **10/17/2022**	SeqNo: **3293629** Units: **mg/Kg**

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	0.94	0.050	1.000	0	93.9	80	120			
Ethylbenzene	0.95	0.050	1.000	0	95.4	80	120			
Xylenes, Total	2.8	0.10	3.000	0	94.7	80	120			
Surr: 4-Bromofluorobenzene	0.96		1.000		96.4	70	130			

Sample ID: **2210701-022ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **SW20**	Batch ID: **70835**	RunNo: **91849**
Prep Date: **10/14/2022**	Analysis Date: **10/17/2022**	SeqNo: **3293632** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.025	0.9862	0	93.6	68.8	120			
Toluene	0.94	0.049	0.9862	0	95.3	73.6	124			
Ethylbenzene	0.94	0.049	0.9862	0	95.5	72.7	129			
Xylenes, Total	2.8	0.099	2.959	0.01850	94.3	75.7	126			
Surr: 4-Bromofluorobenzene	0.96		0.9862		97.4	70	130			

Sample ID: **2210701-022amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **SW20**	Batch ID: **70835**	RunNo: **91849**
Prep Date: **10/14/2022**	Analysis Date: **10/17/2022**	SeqNo: **3293633** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	0.9950	0	93.6	68.8	120	0.838	20	
Toluene	0.95	0.050	0.9950	0	95.1	73.6	124	0.681	20	
Ethylbenzene	0.95	0.050	0.9950	0	95.7	72.7	129	1.10	20	
Xylenes, Total	2.8	0.10	2.985	0.01850	94.5	75.7	126	1.11	20	
Surr: 4-Bromofluorobenzene	0.95		0.9950		95.4	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 standard limits. If undiluted associated results may be
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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2210701**

26-Oct-22

Client: GHD Midland

Project: Robinson B Federal 1

Sample ID: **mb-70832**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **70832**	RunNo: **91887**
Prep Date: **10/14/2022**	Analysis Date: **10/18/2022**	SeqNo: **3295419** 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	0.95		1.000		94.5	70	130			

Sample ID: **LCS-70832**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **70832**	RunNo: **91887**
Prep Date: **10/14/2022**	Analysis Date: **10/18/2022**	SeqNo: **3295420** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.025	1.000	0	96.9	80	120			
Toluene	0.98	0.050	1.000	0	97.7	80	120			
Ethylbenzene	0.98	0.050	1.000	0	98.1	80	120			
Xylenes, Total	2.9	0.10	3.000	0	98.0	80	120			
Surr: 4-Bromofluorobenzene	0.98		1.000		98.3	70	130			

Sample ID: **2210701-002ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BH36**	Batch ID: **70832**	RunNo: **91887**
Prep Date: **10/14/2022**	Analysis Date: **10/18/2022**	SeqNo: **3295423** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.025	0.9940	0	92.9	68.8	120			
Toluene	0.95	0.050	0.9940	0	95.1	73.6	124			
Ethylbenzene	0.96	0.050	0.9940	0	96.7	72.7	129			
Xylenes, Total	2.8	0.099	2.982	0.01815	94.8	75.7	126			
Surr: 4-Bromofluorobenzene	0.96		0.9940		96.3	70	130			

Sample ID: **2210701-002amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BH36**	Batch ID: **70832**	RunNo: **91887**
Prep Date: **10/14/2022**	Analysis Date: **10/18/2022**	SeqNo: **3295424** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.025	0.9950	0	88.3	68.8	120	5.01	20	
Toluene	0.90	0.050	0.9950	0	90.6	73.6	124	4.79	20	
Ethylbenzene	0.91	0.050	0.9950	0	91.4	72.7	129	5.61	20	
Xylenes, Total	2.7	0.10	2.985	0.01815	91.1	75.7	126	3.87	20	
Surr: 4-Bromofluorobenzene	0.96		0.9950		96.0	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 standard limits. If undiluted associated results may be
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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: GHD Midland | Work Order Number: 2210701 | RcptNo: 1

Received By: **Joseph Alderette** 10/14/2022 7:15:00 AM

Completed By: **Tracy Casarrubias** 10/14/2022 7:38:56 AM

Reviewed By: CM 10/14/22

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	Yes ☐	No ☑	NA ☐
	Approved by client.		
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

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

Adjusted? _____

Checked by: KPC 10.14.22

Special Handling (if applicable)

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

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	12.9	Good	Yes			
2	3.1	Good	Yes			
3	2.3	Good	Yes			
4	1.4	Good	Yes			

Released to Imaging: 1/17/2023 10:41:10 AM
Received by OCD: 12/19/2022 1:41:21 PM

Chain-of-Custody Record

Client: GHD

Mailing Address: 324 W Main St
Artesia, NM 88210

Phone #: (505) 377-4218

email or Fax#: nate.reece@ghd.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time:
☑ Standard ☐ Rush 5 Day

Project Name: Robinson B Federal FF1

Project #: 12574110

Project Manager: Nate Reece
JT Murrey

Sampler: Liam Giersdorf

On Ice: ☑ Yes ☐ No

# of Coolers: 4

Cooler Temp(including CF): See check list (°C)

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2210[illegible]701	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
10/12	1200	Soil	BH35	Jar	ice	001	X	X					X	Mod		300
	1205		BH36			002										
	1210		BH37			003										
	1215		BH38			004										
	1220		BH39			005										
	1225		BH40			006										
	1300		BH41			007										
	1305		BH42			008										
	1310		BH43			009										
	1315		BH44			010										
	1320		BH45			011										
	1325		SW10			012										

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
10/13	0800	Liam Giersdorf	[signature]		10/13/22	800
10/13/22	1900	[signature]	[signature]	courier	10-14-22	7:15

Remarks: Please email chase_settle@eogresources.com; jt_murrey@ghd.com; amber_griffin@eogresources.com; liam.giersdorf@ghd.com; matthew_langford@ghd.com; along w/ Nate Reece. Bill to Chase Settle, EOG

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

Released to Imaging: 1/17/2023 10:41:10 AM
Received by OCD: 12/19/2022 1:41:21 PM

Chain-of-Custody Record

Client: GHD

Mailing Address: 324 W Main St.
Artesia, NM 88210

Phone #: (505) 377-4218

email or Fax#: nate.reece@ghd.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☑ Standard ☒ Rush 5 Days

Project Name: Robinson B Federal #1

Project #: 12574110

Project Manager: Nate Reece
JT Murray

Sampler: Liam Giersdorf

On Ice: ☑ Yes ☐ No

# of Coolers: 1

Cooler Temp (including CF): See Check list (°C)

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 220701	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
10/12	1330	Soil	SW11	3oz	ICE	013	X	X					X	8260	8270	300
	1335		SW12			014										
	1340		SW13			015										
	1345		SW14			016										
	1350		SW15			017										
	1355		SW16			018										
	1400		SW17			019										
	1405		SW18			020										
	1410		SW19			021										
	1415		SW20			022										
	1420		SW21			023										
	1425		SW22			024										

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
10/13	0800	Liam Giersdorf	Acummins		10/13/22	800
10/13/22	1900	Acummins		courier	10.14.22	7:15

Remarks: Please email chase_settle@oxyresources.com; jt.murray@ghd.com; amber_griffin@oxyresources.com; liam.giersdorf@ghd.com; matthew.laughlin@ghd.com; along w/ Nate Reece. Bill to Chase Settle, EOG

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

Released to Imaging: 1/17/2023 10:41:10 AM
Received by OCD: 12/19/2022 1:41:21 PM

Chain-of-Custody Record

Client: GHD

Mailing Address: 324 W Main St.
Artesia, NM 88210

Phone #: (505) 377-4218

email or Fax#: nate.reece@ghd.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other_____

☐ EDD (Type) _____

Turn-Around Time:
☑ Standard ☐ Rush_____

Project Name: Robinson B Federal #1

Project #: 12574110

Project Manager: Nate Reece
JT Murrey

Sampler: Liam Giersdorf

On Ice: ☑ Yes ☐ No

# of Coolers: 4

Cooler Temp(including CF): See Check list (°C)

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2210701	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
10/2	1430	Soil	SW 23	Jar	Ice	025	X	X					X	mod		300
	1435		SW 24			026										
	1440		SW 25			027										
↓	1445	↓	SW 26	↓	↓	028	↓	↓					↓			

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
10/3	0800	Liam Giersdorf			10/13/22	800
10/13/22	1900			Courier	10.14.22	7:15

Remarks: Please email chase_settle@oxyresources.com; jt.murrey@ghd.com; amber_griffin@oxyresources.com; liam.giersdorf@ghd.com; matthew.laughlin@ghd.com, along w/ Nate Reece. Bill to Chase Settle, EOG

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

October 26, 2022

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

RE: Robinson B Federal 1 OrderNo.: 2210782

Dear JT Murrey:

Hall Environmental Analysis Laboratory received 6 sample(s) on 10/15/2022 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
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2210782**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: BH46
Project: Robinson B Federal 1
Collection Date: 10/13/2022 10:00:00 AM
Lab ID: 2210782-001 **Matrix:** SOIL **Received Date:** 10/15/2022 8:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JTT**	
Chloride	ND	60		mg/Kg	20	10/21/2022 11:56:44 AM	70978
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	420	150		mg/Kg	10	10/21/2022 8:24:33 AM	70941
Motor Oil Range Organics (MRO)	790	490		mg/Kg	10	10/21/2022 8:24:33 AM	70941
Surr: DNOP	0	21-129	S	%Rec	10	10/21/2022 8:24:33 AM	70941
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/18/2022 12:41:00 PM	70872
Surr: BFB	93.3	37.7-212		%Rec	1	10/18/2022 12:41:00 PM	70872
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.024		mg/Kg	1	10/18/2022 12:41:00 PM	70872
Toluene	ND	0.049		mg/Kg	1	10/18/2022 12:41:00 PM	70872
Ethylbenzene	ND	0.049		mg/Kg	1	10/18/2022 12:41:00 PM	70872
Xylenes, Total	ND	0.097		mg/Kg	1	10/18/2022 12:41:00 PM	70872
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	10/18/2022 12:41:00 PM	70872

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

Qualifiers:

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

Analytical Report
Lab Order **2210782**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: BH47
Project: Robinson B Federal 1
Collection Date: 10/13/2022 10:05:00 AM
Lab ID: 2210782-002 **Matrix:** SOIL **Received Date:** 10/15/2022 8:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JTT**	
Chloride	ND	61		mg/Kg	20	10/21/2022 12:09:09 PM	70978
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	1500	150		mg/Kg	10	10/24/2022 3:23:27 PM	70950
Motor Oil Range Organics (MRO)	1100	500		mg/Kg	10	10/24/2022 3:23:27 PM	70950
Surr: DNOP	0	21-129	S	%Rec	10	10/24/2022 3:23:27 PM	70950
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	10/18/2022 1:40:00 PM	70872
Surr: BFB	95.7	37.7-212		%Rec	1	10/18/2022 1:40:00 PM	70872
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.023		mg/Kg	1	10/18/2022 1:40:00 PM	70872
Toluene	ND	0.046		mg/Kg	1	10/18/2022 1:40:00 PM	70872
Ethylbenzene	ND	0.046		mg/Kg	1	10/18/2022 1:40:00 PM	70872
Xylenes, Total	ND	0.092		mg/Kg	1	10/18/2022 1:40:00 PM	70872
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	10/18/2022 1:40:00 PM	70872

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

Qualifiers:

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

Analytical Report
Lab Order **2210782**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: BH48
Project: Robinson B Federal 1
Collection Date: 10/13/2022 10:10:00 AM
Lab ID: 2210782-003 **Matrix:** SOIL **Received Date:** 10/15/2022 8:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JTT**	
Chloride	ND	60		mg/Kg	20	10/21/2022 12:21:34 PM	70978
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	110	14		mg/Kg	1	10/24/2022 4:11:31 PM	70950
Motor Oil Range Organics (MRO)	93	47		mg/Kg	1	10/24/2022 4:11:31 PM	70950
Surr: DNOP	117	21-129		%Rec	1	10/24/2022 4:11:31 PM	70950
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/18/2022 2:00:00 PM	70872
Surr: BFB	93.6	37.7-212		%Rec	1	10/18/2022 2:00:00 PM	70872
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.024		mg/Kg	1	10/18/2022 2:00:00 PM	70872
Toluene	ND	0.048		mg/Kg	1	10/18/2022 2:00:00 PM	70872
Ethylbenzene	ND	0.048		mg/Kg	1	10/18/2022 2:00:00 PM	70872
Xylenes, Total	ND	0.097		mg/Kg	1	10/18/2022 2:00:00 PM	70872
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	10/18/2022 2:00:00 PM	70872

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

Qualifiers:

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

Analytical Report
Lab Order **2210782**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: SW27
Project: Robinson B Federal 1
Collection Date: 10/13/2022 10:15:00 AM
Lab ID: 2210782-004 **Matrix:** SOIL **Received Date:** 10/15/2022 8:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JTT**	
Chloride	ND	60		mg/Kg	20	10/21/2022 12:33:58 PM	70978
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	19	15		mg/Kg	1	10/24/2022 9:49:07 AM	70950
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/24/2022 9:49:07 AM	70950
Surr: DNOP	101	21-129		%Rec	1	10/24/2022 9:49:07 AM	70950
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/18/2022 2:19:00 PM	70872
Surr: BFB	93.4	37.7-212		%Rec	1	10/18/2022 2:19:00 PM	70872
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.024		mg/Kg	1	10/18/2022 2:19:00 PM	70872
Toluene	ND	0.049		mg/Kg	1	10/18/2022 2:19:00 PM	70872
Ethylbenzene	ND	0.049		mg/Kg	1	10/18/2022 2:19:00 PM	70872
Xylenes, Total	ND	0.098		mg/Kg	1	10/18/2022 2:19:00 PM	70872
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	10/18/2022 2:19:00 PM	70872

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

Qualifiers:

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

Analytical Report
Lab Order **2210782**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: SW28
Project: Robinson B Federal 1
Collection Date: 10/13/2022 10:20:00 AM
Lab ID: 2210782-005 **Matrix:** SOIL **Received Date:** 10/15/2022 8:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JTT**	
Chloride	ND	60		mg/Kg	20	10/21/2022 12:46:23 PM	70978
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	740	150		mg/Kg	10	10/24/2022 4:59:50 PM	70950
Motor Oil Range Organics (MRO)	650	500		mg/Kg	10	10/24/2022 4:59:50 PM	70950
Surr: DNOP	0	21-129	S	%Rec	10	10/24/2022 4:59:50 PM	70950
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/18/2022 2:39:00 PM	70872
Surr: BFB	91.0	37.7-212		%Rec	1	10/18/2022 2:39:00 PM	70872
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.025		mg/Kg	1	10/18/2022 2:39:00 PM	70872
Toluene	ND	0.050		mg/Kg	1	10/18/2022 2:39:00 PM	70872
Ethylbenzene	ND	0.050		mg/Kg	1	10/18/2022 2:39:00 PM	70872
Xylenes, Total	ND	0.10		mg/Kg	1	10/18/2022 2:39:00 PM	70872
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	10/18/2022 2:39:00 PM	70872

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

Qualifiers:

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

Analytical Report
Lab Order **2210782**
Date Reported: **10/26/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: SW29
Project: Robinson B Federal 1
Collection Date: 10/13/2022 10:25:00 AM
Lab ID: 2210782-006 **Matrix:** SOIL **Received Date:** 10/15/2022 8:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JTT**	
Chloride	ND	60		mg/Kg	20	10/21/2022 12:58:47 PM	70978
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	780	140		mg/Kg	10	10/24/2022 5:48:21 PM	70950
Motor Oil Range Organics (MRO)	590	470		mg/Kg	10	10/24/2022 5:48:21 PM	70950
Surr: DNOP	0	21-129	S	%Rec	10	10/24/2022 5:48:21 PM	70950
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	10/18/2022 2:58:00 PM	70872
Surr: BFB	92.7	37.7-212		%Rec	5	10/18/2022 2:58:00 PM	70872
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.12		mg/Kg	5	10/18/2022 2:58:00 PM	70872
Toluene	ND	0.24		mg/Kg	5	10/18/2022 2:58:00 PM	70872
Ethylbenzene	ND	0.24		mg/Kg	5	10/18/2022 2:58:00 PM	70872
Xylenes, Total	ND	0.48		mg/Kg	5	10/18/2022 2:58:00 PM	70872
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	5	10/18/2022 2:58:00 PM	70872

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

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2210782**
26-Oct-22

Client: GHD Midland
Project: Robinson B Federal 1

Sample ID: **MB-70978**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **70978**	RunNo: **92015**
Prep Date: **10/21/2022**	Analysis Date: **10/21/2022**	SeqNo: **3301674** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-70978**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **70978**	RunNo: **92015**
Prep Date: **10/21/2022**	Analysis Date: **10/21/2022**	SeqNo: **3301675** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.6	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted associated results may be
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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2210782**
26-Oct-22

Client: GHD Midland
Project: Robinson B Federal 1

Sample ID: **MB-70941**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **70941**	RunNo: **91947**
Prep Date: **10/19/2022**	Analysis Date: **10/20/2022**	SeqNo: **3298586** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.6		10.00		95.6	21	129			

Sample ID: **LCS-70941**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **70941**	RunNo: **91947**
Prep Date: **10/19/2022**	Analysis Date: **10/20/2022**	SeqNo: **3298588** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	15	50.00	0	96.8	64.4	127			
Surr: DNOP	4.9		5.000		98.0	21	129			

Sample ID: **MB-70950**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **70950**	RunNo: **92021**
Prep Date: **10/20/2022**	Analysis Date: **10/24/2022**	SeqNo: **3301917** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.9		10.00		89.0	21	129			

Sample ID: **LCS-70950**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **70950**	RunNo: **92021**
Prep Date: **10/20/2022**	Analysis Date: **10/24/2022**	SeqNo: **3301919** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	57	15	50.00	0	114	64.4	127			
Surr: DNOP	5.3		5.000		105	21	129			

Sample ID: **MB-70991**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **70991**	RunNo: **92014**
Prep Date: **10/21/2022**	Analysis Date: **10/24/2022**	SeqNo: **3302745** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10		10.00		102	21	129			

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 standard limits. If undiluted associated results may be
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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2210782**
26-Oct-22

Client: GHD Midland
Project: Robinson B Federal 1

Sample ID: **LCS-70991**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **70991**	RunNo: **92014**
Prep Date: **10/21/2022**	Analysis Date: **10/24/2022**	SeqNo: **3302746** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.1		5.000		82.1	21	129			

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 standard limits. If undiluted associated results may be
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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2210782**

26-Oct-22

Client: GHD Midland

Project: Robinson B Federal 1

Sample ID: **lcs-70872**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **70872**	RunNo: **91908**
Prep Date: **10/17/2022**	Analysis Date: **10/18/2022**	SeqNo: **3296480** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	20	5.0	25.00	0	80.3	72.3	137			
Surr: BFB	2000		1000		203	37.7	212			

Sample ID: **mb-70872**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **70872**	RunNo: **91908**
Prep Date: **10/17/2022**	Analysis Date: **10/18/2022**	SeqNo: **3296481** 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	980		1000		97.6	37.7	212			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted associated results may be
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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2210782**

26-Oct-22

Client: GHD Midland

Project: Robinson B Federal 1

Sample ID: **lcs-70872**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **70872**	RunNo: **91908**
Prep Date: **10/17/2022**	Analysis Date: **10/18/2022**	SeqNo: **3296544** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	109	80	120			
Toluene	1.1	0.050	1.000	0	111	80	120			
Ethylbenzene	1.1	0.050	1.000	0	112	80	120			
Xylenes, Total	3.3	0.10	3.000	0	109	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		106	70	130			

Sample ID: **mb-70872**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **70872**	RunNo: **91908**
Prep Date: **10/17/2022**	Analysis Date: **10/18/2022**	SeqNo: **3296545** 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	1.1		1.000		107	70	130			

Sample ID: **2210782-001ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BH46**	Batch ID: **70872**	RunNo: **91908**
Prep Date: **10/17/2022**	Analysis Date: **10/18/2022**	SeqNo: **3296548** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.2	0.024	0.9671	0	120	68.8	120			S
Toluene	1.2	0.048	0.9671	0	121	73.6	124			
Ethylbenzene	1.2	0.048	0.9671	0	122	72.7	129			
Xylenes, Total	3.5	0.097	2.901	0	119	75.7	126			
Surr: 4-Bromofluorobenzene	0.97		0.9671		100	70	130			

Sample ID: **2210782-001amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BH46**	Batch ID: **70872**	RunNo: **91908**
Prep Date: **10/17/2022**	Analysis Date: **10/18/2022**	SeqNo: **3296549** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.3	0.024	0.9747	0	129	68.8	120	8.17	20	S
Toluene	1.3	0.049	0.9747	0	130	73.6	124	8.30	20	S
Ethylbenzene	1.3	0.049	0.9747	0	131	72.7	129	8.14	20	S
Xylenes, Total	3.8	0.097	2.924	0	128	75.7	126	8.32	20	S
Surr: 4-Bromofluorobenzene	1.0		0.9747		106	70	130	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted associated results may be
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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: **GHD Midland** Work Order Number: **2210782** RcptNo: **1**

Received By: **Cheyenne Cason** **10/15/2022 8:40:00 AM** Chel

Completed By: **Cheyenne Cason** **10/15/2022 9:38:41 AM** Chel

Reviewed By: JN 10/17/22

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 Yes ☑ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☑ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☑ No ☐
8. Was preservative added to bottles? Yes ☐ No ☑ NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes ☐ No ☐ NA ☑
10. Were any sample containers received broken? Yes ☐ No ☑
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes ☑ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
13. Is it clear what analyses were requested? Yes ☑ No ☐
14. Were all holding times able to be met? (If no, notify customer for authorization.) Yes ☑ No ☐

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

Adjusted? _____

Checked by: Che 10/15/22

Special Handling (if applicable)

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

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.1	Good	Not Present			

Released to Imaging: 1/17/2023 10:41:10 AM
Received by OCD: 12/19/2022 1:41:21 PM

Chain-of-Custody Record

Client: GHD

Mailing Address: 324 W Main St.
Artesia, NM 88210

Phone #: (505) 377-4218

email or Fax#: nate.reece@ghd.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time:
☑ Standard ☒ Rush 3 Day

Project Name: Robinson B Federal #1

Project #: 12574110

Project Manager: Nate Reece
JT Murrey

Sampler: Liam Giersdorf

On Ice: ☑ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 1.1 - 0 = 1.1 (°C)

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2210782	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	(Cl), F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
10/13	1000	Soil	BH46	Jar	ICE	001	X	X					X	Mod	300	
	1005		BH47			002										
	1010		BH48			003										
	1015		SW27			004										
	1020		SW28			005										
↓	1025	↓	SW29	↓	↓	006	↓	↓					↓			

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
10/14	0800	Liam Giersdorf	[signature]		10/14/22	800
10/14/22	1900	[signature]	[signature]	CUC courier	10/15/22	0840

Remarks: Please email chase_settle@eogresources.com; jt_murrey@ghd.com; amber_griffin@eogresources.com; liam.giersdorf@ghd.com; matthew_laughlin@ghd.com; along w/ Nate Reece. Bill to Chase Settle, EOG

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

November 04, 2022

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

RE: Robinson B Federal 1 OrderNo.: 2210C59

Dear JT Murrey:

Hall Environmental Analysis Laboratory received 24 sample(s) on 10/26/2022 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
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2210C59**
Date Reported: **11/4/2022**

CLIENT: GHD Midland
Project: Robinson B Federal 1
Lab ID: 2210C59-001 **Matrix:** SOIL

Client Sample ID: BH49
Collection Date: 10/24/2022 11:00:00 AM
Received Date: 10/26/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JTT**	
Chloride	250	60		mg/Kg	20	11/1/2022 2:30:52 AM	71189
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	760	56		mg/Kg	4	10/31/2022 12:15:22 PM	71113
Motor Oil Range Organics (MRO)	390	190		mg/Kg	4	10/31/2022 12:15:22 PM	71113
Surr: DNOP	107	21-129		%Rec	4	10/31/2022 12:15:22 PM	71113
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	14	4.8		mg/Kg	1	10/29/2022 7:11:00 AM	71111
Surr: BFB	155	37.7-212		%Rec	1	10/29/2022 7:11:00 AM	71111
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.024		mg/Kg	1	10/29/2022 7:11:00 AM	71111
Toluene	ND	0.048		mg/Kg	1	10/29/2022 7:11:00 AM	71111
Ethylbenzene	ND	0.048		mg/Kg	1	10/29/2022 7:11:00 AM	71111
Xylenes, Total	ND	0.096		mg/Kg	1	10/29/2022 7:11:00 AM	71111
Surr: 4-Bromofluorobenzene	149	70-130	S	%Rec	1	10/29/2022 7:11:00 AM	71111

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2210C59**
Date Reported: **11/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: BH50
Project: Robinson B Federal 1
Collection Date: 10/24/2022 11:05:00 AM
Lab ID: 2210C59-002 **Matrix:** SOIL **Received Date:** 10/26/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JTT**	
Chloride	270	60		mg/Kg	20	11/1/2022 3:07:53 AM	71189
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	3900	150		mg/Kg	10	10/28/2022 5:28:06 PM	71113
Motor Oil Range Organics (MRO)	1900	500		mg/Kg	10	10/28/2022 5:28:06 PM	71113
Surr: DNOP	0	21-129	S	%Rec	10	10/28/2022 5:28:06 PM	71113
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	47	24		mg/Kg	5	10/29/2022 7:30:00 AM	71111
Surr: BFB	213	37.7-212	S	%Rec	5	10/29/2022 7:30:00 AM	71111
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.12		mg/Kg	5	10/29/2022 7:30:00 AM	71111
Toluene	ND	0.24		mg/Kg	5	10/29/2022 7:30:00 AM	71111
Ethylbenzene	ND	0.24		mg/Kg	5	10/29/2022 7:30:00 AM	71111
Xylenes, Total	ND	0.47		mg/Kg	5	10/29/2022 7:30:00 AM	71111
Surr: 4-Bromofluorobenzene	143	70-130	S	%Rec	5	10/29/2022 7:30:00 AM	71111

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2210C59**
Date Reported: **11/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: BH51
Project: Robinson B Federal 1
Collection Date: 10/24/2022 11:10:00 AM
Lab ID: 2210C59-003 **Matrix:** SOIL **Received Date:** 10/26/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JTT**	
Chloride	190	60		mg/Kg	20	11/1/2022 3:20:13 AM	71189
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	2500	150		mg/Kg	10	10/28/2022 6:16:22 PM	71113
Motor Oil Range Organics (MRO)	1100	490		mg/Kg	10	10/28/2022 6:16:22 PM	71113
Surr: DNOP	0	21-129	S	%Rec	10	10/28/2022 6:16:22 PM	71113
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	23	4.7		mg/Kg	1	10/29/2022 7:50:00 AM	71111
Surr: BFB	190	37.7-212		%Rec	1	10/29/2022 7:50:00 AM	71111
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.023		mg/Kg	1	10/31/2022 11:53:23 PM	71111
Toluene	ND	0.047		mg/Kg	1	10/31/2022 11:53:23 PM	71111
Ethylbenzene	0.12	0.047		mg/Kg	1	10/31/2022 11:53:23 PM	71111
Xylenes, Total	ND	0.094		mg/Kg	1	10/31/2022 11:53:23 PM	71111
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	10/31/2022 11:53:23 PM	71111

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2210C59**
Date Reported: **11/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: BH52
Project: Robinson B Federal 1
Collection Date: 10/24/2022 11:30:00 AM
Lab ID: 2210C59-004 **Matrix:** SOIL **Received Date:** 10/26/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JTT**	
Chloride	350	60		mg/Kg	20	11/1/2022 3:32:33 AM	71189
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	210	14		mg/Kg	1	10/31/2022 12:39:24 PM	71128
Motor Oil Range Organics (MRO)	120	47		mg/Kg	1	10/31/2022 12:39:24 PM	71128
Surr: DNOP	106	21-129		%Rec	1	10/31/2022 12:39:24 PM	71128
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/29/2022 8:10:00 AM	71111
Surr: BFB	111	37.7-212		%Rec	1	10/29/2022 8:10:00 AM	71111
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.024		mg/Kg	1	10/29/2022 8:10:00 AM	71111
Toluene	ND	0.048		mg/Kg	1	10/29/2022 8:10:00 AM	71111
Ethylbenzene	ND	0.048		mg/Kg	1	10/29/2022 8:10:00 AM	71111
Xylenes, Total	ND	0.096		mg/Kg	1	10/29/2022 8:10:00 AM	71111
Surr: 4-Bromofluorobenzene	119	70-130		%Rec	1	10/29/2022 8:10:00 AM	71111

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2210C59**
Date Reported: **11/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: BH53
Project: Robinson B Federal 1
Collection Date: 10/24/2022 11:35:00 AM
Lab ID: 2210C59-005 **Matrix:** SOIL **Received Date:** 10/26/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JTT**	
Chloride	560	60		mg/Kg	20	11/1/2022 3:44:54 AM	71189
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	75	15		mg/Kg	1	10/28/2022 11:51:38 PM	71128
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/28/2022 11:51:38 PM	71128
Surr: DNOP	102	21-129		%Rec	1	10/28/2022 11:51:38 PM	71128
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/29/2022 1:28:50 AM	71117
Surr: BFB	86.2	37.7-212		%Rec	1	10/29/2022 1:28:50 AM	71117
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	10/29/2022 1:28:50 AM	71117
Toluene	ND	0.050		mg/Kg	1	10/29/2022 1:28:50 AM	71117
Ethylbenzene	ND	0.050		mg/Kg	1	10/29/2022 1:28:50 AM	71117
Xylenes, Total	ND	0.10		mg/Kg	1	10/29/2022 1:28:50 AM	71117
Surr: 4-Bromofluorobenzene	93.6	70-130		%Rec	1	10/29/2022 1:28:50 AM	71117

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2210C59**
Date Reported: **11/4/2022**

CLIENT: GHD Midland
Client Sample ID: BH54
Project: Robinson B Federal 1
Collection Date: 10/24/2022 11:40:00 AM
Lab ID: 2210C59-006 **Matrix:** SOIL **Received Date:** 10/26/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JTT**	
Chloride	170	60		mg/Kg	20	11/1/2022 3:57:14 AM	71189
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	46	14		mg/Kg	1	10/29/2022 12:15:30 AM	71128
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	10/29/2022 12:15:30 AM	71128
Surr: DNOP	99.6	21-129		%Rec	1	10/29/2022 12:15:30 AM	71128
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/29/2022 2:39:18 AM	71117
Surr: BFB	92.0	37.7-212		%Rec	1	10/29/2022 2:39:18 AM	71117
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	10/29/2022 2:39:18 AM	71117
Toluene	ND	0.049		mg/Kg	1	10/29/2022 2:39:18 AM	71117
Ethylbenzene	ND	0.049		mg/Kg	1	10/29/2022 2:39:18 AM	71117
Xylenes, Total	ND	0.098		mg/Kg	1	10/29/2022 2:39:18 AM	71117
Surr: 4-Bromofluorobenzene	95.6	70-130		%Rec	1	10/29/2022 2:39:18 AM	71117

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2210C59**
Date Reported: **11/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: BH55
Project: Robinson B Federal 1
Collection Date: 10/24/2022 11:45:00 AM
Lab ID: 2210C59-007 **Matrix:** SOIL **Received Date:** 10/26/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JTT**	
Chloride	320	60		mg/Kg	20	11/1/2022 4:09:34 AM	71189
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	1400	140		mg/Kg	10	10/29/2022 12:39:18 AM	71128
Motor Oil Range Organics (MRO)	620	480		mg/Kg	10	10/29/2022 12:39:18 AM	71128
Surr: DNOP	0	21-129	S	%Rec	10	10/29/2022 12:39:18 AM	71128
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	6.0	4.8		mg/Kg	1	10/29/2022 3:49:50 AM	71117
Surr: BFB	139	37.7-212		%Rec	1	10/29/2022 3:49:50 AM	71117
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	10/29/2022 3:49:50 AM	71117
Toluene	ND	0.048		mg/Kg	1	10/29/2022 3:49:50 AM	71117
Ethylbenzene	ND	0.048		mg/Kg	1	10/29/2022 3:49:50 AM	71117
Xylenes, Total	ND	0.096		mg/Kg	1	10/29/2022 3:49:50 AM	71117
Surr: 4-Bromofluorobenzene	97.0	70-130		%Rec	1	10/29/2022 3:49:50 AM	71117

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2210C59**
Date Reported: **11/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: BH56
Project: Robinson B Federal 1
Collection Date: 10/24/2022 11:50:00 AM
Lab ID: 2210C59-008 **Matrix:** SOIL **Received Date:** 10/26/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	130	60		mg/Kg	20	11/1/2022 11:22:53 AM	71198
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/29/2022 1:03:07 AM	71128
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/29/2022 1:03:07 AM	71128
Surr: DNOP	98.1	21-129		%Rec	1	10/29/2022 1:03:07 AM	71128
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/29/2022 4:13:21 AM	71117
Surr: BFB	93.7	37.7-212		%Rec	1	10/29/2022 4:13:21 AM	71117
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	10/29/2022 4:13:21 AM	71117
Toluene	ND	0.048		mg/Kg	1	10/29/2022 4:13:21 AM	71117
Ethylbenzene	ND	0.048		mg/Kg	1	10/29/2022 4:13:21 AM	71117
Xylenes, Total	ND	0.096		mg/Kg	1	10/29/2022 4:13:21 AM	71117
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	10/29/2022 4:13:21 AM	71117

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2210C59**
Date Reported: **11/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: BH57
Project: Robinson B Federal 1
Collection Date: 10/24/2022 11:55:00 AM
Lab ID: 2210C59-009 **Matrix:** SOIL **Received Date:** 10/26/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	150	60		mg/Kg	20	11/1/2022 11:35:17 AM	71198
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/29/2022 1:26:56 AM	71128
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/29/2022 1:26:56 AM	71128
Surr: DNOP	102	21-129		%Rec	1	10/29/2022 1:26:56 AM	71128
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/29/2022 4:36:52 AM	71117
Surr: BFB	90.1	37.7-212		%Rec	1	10/29/2022 4:36:52 AM	71117
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	10/29/2022 4:36:52 AM	71117
Toluene	ND	0.048		mg/Kg	1	10/29/2022 4:36:52 AM	71117
Ethylbenzene	ND	0.048		mg/Kg	1	10/29/2022 4:36:52 AM	71117
Xylenes, Total	ND	0.096		mg/Kg	1	10/29/2022 4:36:52 AM	71117
Surr: 4-Bromofluorobenzene	97.6	70-130		%Rec	1	10/29/2022 4:36:52 AM	71117

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2210C59**
Date Reported: **11/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: BH58
Project: Robinson B Federal 1
Collection Date: 10/24/2022 12:00:00 PM
Lab ID: 2210C59-010 **Matrix:** SOIL **Received Date:** 10/26/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	ND	60		mg/Kg	20	11/1/2022 12:37:18 PM	71198
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	34	15		mg/Kg	1	10/31/2022 1:51:28 PM	71128
Motor Oil Range Organics (MRO)	57	48		mg/Kg	1	10/31/2022 1:51:28 PM	71128
Surr: DNOP	97.8	21-129		%Rec	1	10/31/2022 1:51:28 PM	71128
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	10/29/2022 5:00:23 AM	71117
Surr: BFB	87.5	37.7-212		%Rec	1	10/29/2022 5:00:23 AM	71117
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.023		mg/Kg	1	10/29/2022 5:00:23 AM	71117
Toluene	ND	0.046		mg/Kg	1	10/29/2022 5:00:23 AM	71117
Ethylbenzene	ND	0.046		mg/Kg	1	10/29/2022 5:00:23 AM	71117
Xylenes, Total	ND	0.092		mg/Kg	1	10/29/2022 5:00:23 AM	71117
Surr: 4-Bromofluorobenzene	94.9	70-130		%Rec	1	10/29/2022 5:00:23 AM	71117

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2210C59**
Date Reported: **11/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: BH59
Project: Robinson B Federal 1
Collection Date: 10/24/2022 12:30:00 PM
Lab ID: 2210C59-011 **Matrix:** SOIL **Received Date:** 10/26/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	ND	61		mg/Kg	20	11/1/2022 12:49:43 PM	71198
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	86	15		mg/Kg	1	10/31/2022 2:15:11 PM	71128
Motor Oil Range Organics (MRO)	170	50		mg/Kg	1	10/31/2022 2:15:11 PM	71128
Surr: DNOP	110	21-129		%Rec	1	10/31/2022 2:15:11 PM	71128
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/29/2022 6:34:20 AM	71117
Surr: BFB	83.8	37.7-212		%Rec	1	10/29/2022 6:34:20 AM	71117
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	10/29/2022 6:34:20 AM	71117
Toluene	ND	0.048		mg/Kg	1	10/29/2022 6:34:20 AM	71117
Ethylbenzene	ND	0.048		mg/Kg	1	10/29/2022 6:34:20 AM	71117
Xylenes, Total	ND	0.097		mg/Kg	1	10/29/2022 6:34:20 AM	71117
Surr: 4-Bromofluorobenzene	91.0	70-130		%Rec	1	10/29/2022 6:34:20 AM	71117

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2210C59**
Date Reported: **11/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: BH60
Project: Robinson B Federal 1
Collection Date: 10/24/2022 12:35:00 PM
Lab ID: 2210C59-012 **Matrix:** SOIL **Received Date:** 10/26/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	65	60		mg/Kg	20	11/1/2022 1:02:07 PM	71198
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	1200	140		mg/Kg	10	10/31/2022 2:38:52 PM	71128
Motor Oil Range Organics (MRO)	1800	460		mg/Kg	10	10/31/2022 2:38:52 PM	71128
Surr: DNOP	0	21-129	S	%Rec	10	10/31/2022 2:38:52 PM	71128
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/29/2022 6:57:52 AM	71117
Surr: BFB	87.8	37.7-212		%Rec	1	10/29/2022 6:57:52 AM	71117
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	10/29/2022 6:57:52 AM	71117
Toluene	ND	0.048		mg/Kg	1	10/29/2022 6:57:52 AM	71117
Ethylbenzene	ND	0.048		mg/Kg	1	10/29/2022 6:57:52 AM	71117
Xylenes, Total	ND	0.096		mg/Kg	1	10/29/2022 6:57:52 AM	71117
Surr: 4-Bromofluorobenzene	89.9	70-130		%Rec	1	10/29/2022 6:57:52 AM	71117

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2210C59**
Date Reported: **11/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: BH61
Project: Robinson B Federal 1
Collection Date: 10/24/2022 12:40:00 PM
Lab ID: 2210C59-013 **Matrix:** SOIL **Received Date:** 10/26/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	100	60		mg/Kg	20	11/1/2022 1:14:32 PM	71198
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	190	13		mg/Kg	1	10/31/2022 3:02:30 PM	71128
Motor Oil Range Organics (MRO)	300	43		mg/Kg	1	10/31/2022 3:02:30 PM	71128
Surr: DNOP	118	21-129		%Rec	1	10/31/2022 3:02:30 PM	71128
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/29/2022 7:21:21 AM	71117
Surr: BFB	85.7	37.7-212		%Rec	1	10/29/2022 7:21:21 AM	71117
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	10/29/2022 7:21:21 AM	71117
Toluene	ND	0.049		mg/Kg	1	10/29/2022 7:21:21 AM	71117
Ethylbenzene	ND	0.049		mg/Kg	1	10/29/2022 7:21:21 AM	71117
Xylenes, Total	ND	0.099		mg/Kg	1	10/29/2022 7:21:21 AM	71117
Surr: 4-Bromofluorobenzene	92.4	70-130		%Rec	1	10/29/2022 7:21:21 AM	71117

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2210C59**
Date Reported: **11/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: BH62
Project: Robinson B Federal 1
Collection Date: 10/24/2022 12:45:00 PM
Lab ID: 2210C59-014 **Matrix:** SOIL **Received Date:** 10/26/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	81	60		mg/Kg	20	11/1/2022 1:26:56 PM	71198
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	33	14		mg/Kg	1	10/29/2022 3:25:54 AM	71128
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/29/2022 3:25:54 AM	71128
Surr: DNOP	112	21-129		%Rec	1	10/29/2022 3:25:54 AM	71128
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/29/2022 7:44:51 AM	71117
Surr: BFB	84.4	37.7-212		%Rec	1	10/29/2022 7:44:51 AM	71117
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	10/29/2022 7:44:51 AM	71117
Toluene	ND	0.049		mg/Kg	1	10/29/2022 7:44:51 AM	71117
Ethylbenzene	ND	0.049		mg/Kg	1	10/29/2022 7:44:51 AM	71117
Xylenes, Total	ND	0.098		mg/Kg	1	10/29/2022 7:44:51 AM	71117
Surr: 4-Bromofluorobenzene	92.0	70-130		%Rec	1	10/29/2022 7:44:51 AM	71117

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2210C59**
Date Reported: **11/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: BH63
Project: Robinson B Federal 1
Collection Date: 10/24/2022 12:50:00 PM
Lab ID: 2210C59-015 **Matrix:** SOIL **Received Date:** 10/26/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	180	60		mg/Kg	20	11/1/2022 1:39:21 PM	71198
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	1400	140		mg/Kg	10	10/31/2022 3:26:08 PM	71128
Motor Oil Range Organics (MRO)	1700	480		mg/Kg	10	10/31/2022 3:26:08 PM	71128
Surr: DNOP	0	21-129	S	%Rec	10	10/31/2022 3:26:08 PM	71128
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/29/2022 8:08:20 AM	71117
Surr: BFB	85.0	37.7-212		%Rec	1	10/29/2022 8:08:20 AM	71117
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	10/29/2022 8:08:20 AM	71117
Toluene	ND	0.048		mg/Kg	1	10/29/2022 8:08:20 AM	71117
Ethylbenzene	ND	0.048		mg/Kg	1	10/29/2022 8:08:20 AM	71117
Xylenes, Total	ND	0.096		mg/Kg	1	10/29/2022 8:08:20 AM	71117
Surr: 4-Bromofluorobenzene	89.9	70-130		%Rec	1	10/29/2022 8:08:20 AM	71117

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2210C59**
Date Reported: **11/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: BH64
Project: Robinson B Federal 1
Collection Date: 10/24/2022 12:55:00 PM
Lab ID: 2210C59-016 **Matrix:** SOIL **Received Date:** 10/26/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	64	60		mg/Kg	20	11/1/2022 1:51:45 PM	71198
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	50	13		mg/Kg	1	10/31/2022 3:49:44 PM	71128
Motor Oil Range Organics (MRO)	81	45		mg/Kg	1	10/31/2022 3:49:44 PM	71128
Surr: DNOP	122	21-129		%Rec	1	10/31/2022 3:49:44 PM	71128
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/29/2022 8:31:48 AM	71117
Surr: BFB	84.8	37.7-212		%Rec	1	10/29/2022 8:31:48 AM	71117
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	10/29/2022 8:31:48 AM	71117
Toluene	ND	0.050		mg/Kg	1	10/29/2022 8:31:48 AM	71117
Ethylbenzene	ND	0.050		mg/Kg	1	10/29/2022 8:31:48 AM	71117
Xylenes, Total	ND	0.099		mg/Kg	1	10/29/2022 8:31:48 AM	71117
Surr: 4-Bromofluorobenzene	93.0	70-130		%Rec	1	10/29/2022 8:31:48 AM	71117

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2210C59**
Date Reported: **11/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: BH65
Project: Robinson B Federal 1
Collection Date: 10/24/2022 1:00:00 PM
Lab ID: 2210C59-017 **Matrix:** SOIL **Received Date:** 10/26/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	79	59		mg/Kg	20	11/1/2022 2:04:09 PM	71198
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	110	14		mg/Kg	1	10/31/2022 4:13:20 PM	71128
Motor Oil Range Organics (MRO)	220	48		mg/Kg	1	10/31/2022 4:13:20 PM	71128
Surr: DNOP	111	21-129		%Rec	1	10/31/2022 4:13:20 PM	71128
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/29/2022 8:55:16 AM	71117
Surr: BFB	84.8	37.7-212		%Rec	1	10/29/2022 8:55:16 AM	71117
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.023		mg/Kg	1	10/29/2022 8:55:16 AM	71117
Toluene	ND	0.047		mg/Kg	1	10/29/2022 8:55:16 AM	71117
Ethylbenzene	ND	0.047		mg/Kg	1	10/29/2022 8:55:16 AM	71117
Xylenes, Total	ND	0.093		mg/Kg	1	10/29/2022 8:55:16 AM	71117
Surr: 4-Bromofluorobenzene	91.7	70-130		%Rec	1	10/29/2022 8:55:16 AM	71117

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2210C59**
Date Reported: **11/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: BH66
Project: Robinson B Federal 1
Collection Date: 10/24/2022 1:05:00 PM
Lab ID: 2210C59-018 **Matrix:** SOIL **Received Date:** 10/26/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	ND	60		mg/Kg	20	11/1/2022 2:41:23 PM	71198
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	56	13		mg/Kg	1	11/2/2022 9:57:18 AM	71128
Motor Oil Range Organics (MRO)	150	44		mg/Kg	1	11/2/2022 9:57:18 AM	71128
Surr: DNOP	123	21-129		%Rec	1	11/2/2022 9:57:18 AM	71128
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/29/2022 9:18:47 AM	71117
Surr: BFB	88.0	37.7-212		%Rec	1	10/29/2022 9:18:47 AM	71117
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	10/29/2022 9:18:47 AM	71117
Toluene	ND	0.048		mg/Kg	1	10/29/2022 9:18:47 AM	71117
Ethylbenzene	ND	0.048		mg/Kg	1	10/29/2022 9:18:47 AM	71117
Xylenes, Total	ND	0.097		mg/Kg	1	10/29/2022 9:18:47 AM	71117
Surr: 4-Bromofluorobenzene	94.0	70-130		%Rec	1	10/29/2022 9:18:47 AM	71117

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2210C59**
Date Reported: **11/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: BH67
Project: Robinson B Federal 1
Collection Date: 10/24/2022 1:10:00 PM
Lab ID: 2210C59-019 **Matrix:** SOIL **Received Date:** 10/26/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	ND	60		mg/Kg	20	11/1/2022 2:53:48 PM	71198
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	360	60		mg/Kg	4	10/31/2022 4:37:00 PM	71128
Motor Oil Range Organics (MRO)	620	200		mg/Kg	4	10/31/2022 4:37:00 PM	71128
Surr: DNOP	115	21-129		%Rec	4	10/31/2022 4:37:00 PM	71128
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/29/2022 9:42:26 AM	71117
Surr: BFB	95.6	37.7-212		%Rec	1	10/29/2022 9:42:26 AM	71117
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	10/29/2022 9:42:26 AM	71117
Toluene	ND	0.048		mg/Kg	1	10/29/2022 9:42:26 AM	71117
Ethylbenzene	ND	0.048		mg/Kg	1	10/29/2022 9:42:26 AM	71117
Xylenes, Total	ND	0.096		mg/Kg	1	10/29/2022 9:42:26 AM	71117
Surr: 4-Bromofluorobenzene	93.9	70-130		%Rec	1	10/29/2022 9:42:26 AM	71117

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2210C59**
Date Reported: **11/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: SW30
Project: Robinson B Federal 1
Collection Date: 10/24/2022 1:15:00 PM
Lab ID: 2210C59-020 **Matrix:** SOIL **Received Date:** 10/26/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	ND	61		mg/Kg	20	11/1/2022 3:06:13 PM	71198
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	17	15		mg/Kg	1	10/29/2022 5:48:36 AM	71128
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/29/2022 5:48:36 AM	71128
Surr: DNOP	114	21-129		%Rec	1	10/29/2022 5:48:36 AM	71128
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/29/2022 10:05:58 AM	71117
Surr: BFB	86.1	37.7-212		%Rec	1	10/29/2022 10:05:58 AM	71117
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	10/29/2022 10:05:58 AM	71117
Toluene	ND	0.049		mg/Kg	1	10/29/2022 10:05:58 AM	71117
Ethylbenzene	ND	0.049		mg/Kg	1	10/29/2022 10:05:58 AM	71117
Xylenes, Total	ND	0.099		mg/Kg	1	10/29/2022 10:05:58 AM	71117
Surr: 4-Bromofluorobenzene	94.7	70-130		%Rec	1	10/29/2022 10:05:58 AM	71117

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2210C59**
Date Reported: **11/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: SW31
Project: Robinson B Federal 1
Collection Date: 10/24/2022 1:20:00 PM
Lab ID: 2210C59-021 **Matrix:** SOIL **Received Date:** 10/26/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	ND	60		mg/Kg	20	11/1/2022 3:18:38 PM	71198
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	64	14		mg/Kg	1	10/31/2022 5:00:38 PM	71128
Motor Oil Range Organics (MRO)	120	48		mg/Kg	1	10/31/2022 5:00:38 PM	71128
Surr: DNOP	120	21-129		%Rec	1	10/31/2022 5:00:38 PM	71128
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/29/2022 11:16:43 AM	71117
Surr: BFB	86.2	37.7-212		%Rec	1	10/29/2022 11:16:43 AM	71117
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	10/29/2022 11:16:43 AM	71117
Toluene	ND	0.048		mg/Kg	1	10/29/2022 11:16:43 AM	71117
Ethylbenzene	ND	0.048		mg/Kg	1	10/29/2022 11:16:43 AM	71117
Xylenes, Total	ND	0.097		mg/Kg	1	10/29/2022 11:16:43 AM	71117
Surr: 4-Bromofluorobenzene	93.1	70-130		%Rec	1	10/29/2022 11:16:43 AM	71117

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2210C59**
Date Reported: **11/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: SW32
Project: Robinson B Federal 1
Collection Date: 10/24/2022 1:25:00 PM
Lab ID: 2210C59-022 **Matrix:** SOIL **Received Date:** 10/26/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	ND	60		mg/Kg	20	11/1/2022 3:31:02 PM	71198
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	150	73		mg/Kg	5	11/1/2022 11:03:27 AM	71128
Motor Oil Range Organics (MRO)	430	240		mg/Kg	5	11/1/2022 11:03:27 AM	71128
Surr: DNOP	127	21-129		%Rec	5	11/1/2022 11:03:27 AM	71128
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/29/2022 11:40:06 AM	71117
Surr: BFB	88.6	37.7-212		%Rec	1	10/29/2022 11:40:06 AM	71117
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	10/29/2022 11:40:06 AM	71117
Toluene	ND	0.050		mg/Kg	1	10/29/2022 11:40:06 AM	71117
Ethylbenzene	ND	0.050		mg/Kg	1	10/29/2022 11:40:06 AM	71117
Xylenes, Total	ND	0.099		mg/Kg	1	10/29/2022 11:40:06 AM	71117
Surr: 4-Bromofluorobenzene	95.7	70-130		%Rec	1	10/29/2022 11:40:06 AM	71117

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2210C59**
Date Reported: **11/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: SW33
Project: Robinson B Federal 1
Collection Date: 10/24/2022 1:30:00 PM
Lab ID: 2210C59-023 **Matrix:** SOIL **Received Date:** 10/26/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	130	60		mg/Kg	20	11/1/2022 3:43:27 PM	71198
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	31	14		mg/Kg	1	10/31/2022 5:47:57 PM	71128
Motor Oil Range Organics (MRO)	110	47		mg/Kg	1	10/31/2022 5:47:57 PM	71128
Surr: DNOP	124	21-129		%Rec	1	10/31/2022 5:47:57 PM	71128
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/29/2022 12:03:41 PM	71117
Surr: BFB	86.8	37.7-212		%Rec	1	10/29/2022 12:03:41 PM	71117
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	10/29/2022 12:03:41 PM	71117
Toluene	ND	0.048		mg/Kg	1	10/29/2022 12:03:41 PM	71117
Ethylbenzene	ND	0.048		mg/Kg	1	10/29/2022 12:03:41 PM	71117
Xylenes, Total	ND	0.097		mg/Kg	1	10/29/2022 12:03:41 PM	71117
Surr: 4-Bromofluorobenzene	92.3	70-130		%Rec	1	10/29/2022 12:03:41 PM	71117

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2210C59**
Date Reported: **11/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: SW34
Project: Robinson B Federal 1
Collection Date: 10/24/2022 1:35:00 PM
Lab ID: 2210C59-024 **Matrix:** SOIL **Received Date:** 10/26/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	96	60		mg/Kg	20	11/1/2022 3:55:52 PM	71198
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	110	14		mg/Kg	1	10/31/2022 11:19:43 PM	71171
Motor Oil Range Organics (MRO)	110	47		mg/Kg	1	10/31/2022 11:19:43 PM	71171
Surr: DNOP	105	21-129		%Rec	1	10/31/2022 11:19:43 PM	71171
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/29/2022 12:27:18 PM	71117
Surr: BFB	87.1	37.7-212		%Rec	1	10/29/2022 12:27:18 PM	71117
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	10/29/2022 12:27:18 PM	71117
Toluene	ND	0.047		mg/Kg	1	10/29/2022 12:27:18 PM	71117
Ethylbenzene	ND	0.047		mg/Kg	1	10/29/2022 12:27:18 PM	71117
Xylenes, Total	ND	0.095		mg/Kg	1	10/29/2022 12:27:18 PM	71117
Surr: 4-Bromofluorobenzene	90.7	70-130		%Rec	1	10/29/2022 12:27:18 PM	71117

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2210C59**

04-Nov-22

Client: GHD Midland

Project: Robinson B Federal 1

Sample ID: **MB-71189**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **71189**	RunNo: **92231**
Prep Date: **10/31/2022**	Analysis Date: **10/31/2022**	SeqNo: **3312673** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-71189**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **71189**	RunNo: **92231**
Prep Date: **10/31/2022**	Analysis Date: **10/31/2022**	SeqNo: **3312674** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.7	90	110			

Sample ID: **MB-71198**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **71198**	RunNo: **92252**
Prep Date: **11/1/2022**	Analysis Date: **11/1/2022**	SeqNo: **3313633** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-71198**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **71198**	RunNo: **92252**
Prep Date: **11/1/2022**	Analysis Date: **11/1/2022**	SeqNo: **3313634** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.5	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 standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2210C59**

04-Nov-22

Client: GHD Midland

Project: Robinson B Federal 1

Sample ID: **MB-71128**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **71128**	RunNo: **92165**
Prep Date: **10/27/2022**	Analysis Date: **10/28/2022**	SeqNo: **3309895** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.4		10.00		94.2	21	129			

Sample ID: **LCS-71128**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **71128**	RunNo: **92165**
Prep Date: **10/27/2022**	Analysis Date: **10/28/2022**	SeqNo: **3309896** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	15	50.00	0	94.4	64.4	127			
Surr: DNOP	4.5		5.000		89.2	21	129			

Sample ID: **MB-71113**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **71113**	RunNo: **92169**
Prep Date: **10/27/2022**	Analysis Date: **10/28/2022**	SeqNo: **3310697** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		105	21	129			

Sample ID: **LCS-71113**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **71113**	RunNo: **92169**
Prep Date: **10/27/2022**	Analysis Date: **10/28/2022**	SeqNo: **3310698** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	15	50.00	0	102	64.4	127			
Surr: DNOP	4.9		5.000		98.5	21	129			

Sample ID: **LCS-71171**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **71171**	RunNo: **92198**
Prep Date: **10/31/2022**	Analysis Date: **10/31/2022**	SeqNo: **3311075** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	15	50.00	0	92.2	64.4	127			
Surr: DNOP	4.4		5.000		88.2	21	129			

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 standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2210C59**

04-Nov-22

Client: GHD Midland

Project: Robinson B Federal 1

Sample ID: **MB-71171**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **71171**	RunNo: **92198**
Prep Date: **10/31/2022**	Analysis Date: **10/31/2022**	SeqNo: **3311076** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.0		10.00		90.3	21	129			

Sample ID: **2210C59-004AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **BH52**	Batch ID: **71128**	RunNo: **92192**
Prep Date: **10/27/2022**	Analysis Date: **10/31/2022**	SeqNo: **3311171** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	400	14	47.66	212.8	394	36.1	154			S
Surr: DNOP	5.3		4.766		112	21	129			

Sample ID: **2210C59-004AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **BH52**	Batch ID: **71128**	RunNo: **92192**
Prep Date: **10/27/2022**	Analysis Date: **10/31/2022**	SeqNo: **3311172** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	310	15	49.21	212.8	192	36.1	154	26.4	33.9	S
Surr: DNOP	5.3		4.921		108	21	129	0	0	

Sample ID: **2210C59-024AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **SW34**	Batch ID: **71171**	RunNo: **92198**
Prep Date: **10/31/2022**	Analysis Date: **11/1/2022**	SeqNo: **3312260** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	120	14	47.94	106.1	33.0	36.1	154			S
Surr: DNOP	5.3		4.794		111	21	129			

Sample ID: **2210C59-024AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **SW34**	Batch ID: **71171**	RunNo: **92198**
Prep Date: **10/31/2022**	Analysis Date: **11/1/2022**	SeqNo: **3312261** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	110	14	47.35	106.1	6.78	36.1	154	10.9	33.9	S
Surr: DNOP	5.0		4.735		105	21	129	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 standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2210C59**

04-Nov-22

Client: GHD Midland

Project: Robinson B Federal 1

Sample ID: **LCS-71183**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **71183**	RunNo: **92232**
Prep Date: **10/31/2022**	Analysis Date: **11/1/2022**	SeqNo: **3313758** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.5		5.000		111	21	129			

Sample ID: **MB-71183**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **71183**	RunNo: **92232**
Prep Date: **10/31/2022**	Analysis Date: **11/1/2022**	SeqNo: **3313759** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10		10.00		100	21	129			

Sample ID: **LCS-71182**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **71182**	RunNo: **92253**
Prep Date: **10/31/2022**	Analysis Date: **11/2/2022**	SeqNo: **3314305** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	6.4		5.000		128	21	129			

Sample ID: **MB-71182**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **71182**	RunNo: **92253**
Prep Date: **10/31/2022**	Analysis Date: **11/2/2022**	SeqNo: **3314306** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10		10.00		102	21	129			

Sample ID: **LCS-71206**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **71206**	RunNo: **92253**
Prep Date: **11/1/2022**	Analysis Date: **11/3/2022**	SeqNo: **3315786** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.2		5.000		105	21	129			

Sample ID: **LCS-71219**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **71219**	RunNo: **92253**
Prep Date: **11/1/2022**	Analysis Date: **11/3/2022**	SeqNo: **3315788** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.3		5.000		106	21	129			

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 standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2210C59**

04-Nov-22

Client: GHD Midland

Project: Robinson B Federal 1

Sample ID: **MB-71206**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **71206**	RunNo: **92253**
Prep Date: **11/1/2022**	Analysis Date: **11/3/2022**	SeqNo: **3315789** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.4		10.00		93.6	21	129			

Sample ID: **MB-71219**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **71219**	RunNo: **92253**
Prep Date: **11/1/2022**	Analysis Date: **11/3/2022**	SeqNo: **3315791** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.6		10.00		85.8	21	129			

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 standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2210C59**

04-Nov-22

Client: GHD Midland

Project: Robinson B Federal 1

Sample ID: **mb-71117**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **PBS**	Batch ID: **71117**	RunNo: **92156**							
Prep Date: **10/27/2022**	Analysis Date: **10/29/2022**	SeqNo: **3309667**	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	890		1000		89.0	37.7	212			

Sample ID: **lcs-71117**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **LCSS**	Batch ID: **71117**	RunNo: **92156**							
Prep Date: **10/27/2022**	Analysis Date: **10/29/2022**	SeqNo: **3309668**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	96.3	72.3	137			
Surr: BFB	1900		1000		189	37.7	212			

Sample ID: **2210c59-005ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **BH53**	Batch ID: **71117**	RunNo: **92156**							
Prep Date: **10/27/2022**	Analysis Date: **10/29/2022**	SeqNo: **3309670**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	99.8	70	130			
Surr: BFB	1900		1000		186	37.7	212			

Sample ID: **2210c59-005amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **BH53**	Batch ID: **71117**	RunNo: **92156**							
Prep Date: **10/27/2022**	Analysis Date: **10/29/2022**	SeqNo: **3309671**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	24.85	0	104	70	130	3.79	20	
Surr: BFB	1900		994.0		194	37.7	212	0	0	

Sample ID: **lcs-71111**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **LCSS**	Batch ID: **71111**	RunNo: **92196**							
Prep Date: **10/27/2022**	Analysis Date: **10/28/2022**	SeqNo: **3310397**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	97.4	72.3	137			
Surr: BFB	2100		1000		213	37.7	212			S

Sample ID: **mb-71111**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **PBS**	Batch ID: **71111**	RunNo: **92196**							
Prep Date: **10/27/2022**	Analysis Date: **10/28/2022**	SeqNo: **3310398**	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 standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2210C59**

04-Nov-22

Client: GHD Midland

Project: Robinson B Federal 1

Sample ID: **mb-71111**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **71111**	RunNo: **92196**
Prep Date: **10/27/2022**	Analysis Date: **10/28/2022**	SeqNo: **3310398** 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	1000		1000		104	37.7	212			

Sample ID: **mb-71164**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **71164**	RunNo: **92213**
Prep Date: **10/28/2022**	Analysis Date: **11/1/2022**	SeqNo: **3311358** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	900		1000		89.8	37.7	212			

Sample ID: **lcs-71164**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **71164**	RunNo: **92213**
Prep Date: **10/28/2022**	Analysis Date: **11/1/2022**	SeqNo: **3311359** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	2000		1000		197	37.7	212			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2210C59**

04-Nov-22

Client: GHD Midland

Project: Robinson B Federal 1

Sample ID: **mb-71117**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **71117**	RunNo: **92156**
Prep Date: **10/27/2022**	Analysis Date: **10/29/2022**	SeqNo: **3309730** 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	0.97		1.000		96.7	70	130			

Sample ID: **LCS-71117**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **71117**	RunNo: **92156**
Prep Date: **10/27/2022**	Analysis Date: **10/29/2022**	SeqNo: **3309731** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.025	1.000	0	97.1	80	120			
Toluene	0.99	0.050	1.000	0	99.4	80	120			
Ethylbenzene	1.0	0.050	1.000	0	99.8	80	120			
Xylenes, Total	3.0	0.10	3.000	0	99.5	80	120			
Surr: 4-Bromofluorobenzene	0.97		1.000		96.8	70	130			

Sample ID: **2210c59-006ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BH54**	Batch ID: **71117**	RunNo: **92156**
Prep Date: **10/27/2022**	Analysis Date: **10/29/2022**	SeqNo: **3309734** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.024	0.9588	0	99.8	68.8	120			
Toluene	1.0	0.048	0.9588	0	104	73.6	124			
Ethylbenzene	1.0	0.048	0.9588	0	105	72.7	129			
Xylenes, Total	3.0	0.096	2.876	0.01888	104	75.7	126			
Surr: 4-Bromofluorobenzene	0.90		0.9588		93.8	70	130			

Sample ID: **2210c59-006amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BH54**	Batch ID: **71117**	RunNo: **92156**
Prep Date: **10/27/2022**	Analysis Date: **10/29/2022**	SeqNo: **3309735** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.023	0.9302	0	99.5	68.8	120	3.33	20	
Toluene	0.96	0.047	0.9302	0	103	73.6	124	4.09	20	
Ethylbenzene	0.97	0.047	0.9302	0	104	72.7	129	3.73	20	
Xylenes, Total	2.9	0.093	2.791	0.01888	104	75.7	126	3.61	20	
Surr: 4-Bromofluorobenzene	0.87		0.9302		93.0	70	130	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2210C59**

04-Nov-22

Client: GHD Midland

Project: Robinson B Federal 1

Sample ID: **lcs-71111**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **71111**	RunNo: **92196**
Prep Date: **10/27/2022**	Analysis Date: **10/28/2022**	SeqNo: **3310547** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	114	80	120			
Toluene	1.2	0.050	1.000	0	115	80	120			
Ethylbenzene	1.1	0.050	1.000	0	115	80	120			
Xylenes, Total	3.4	0.10	3.000	0	114	80	120			
Surr: 4-Bromofluorobenzene	1.2		1.000		120	70	130			

Sample ID: **mb-71111**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **71111**	RunNo: **92196**
Prep Date: **10/27/2022**	Analysis Date: **10/28/2022**	SeqNo: **3310548** 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	1.2		1.000		121	70	130			

Sample ID: **mb-71164**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **71164**	RunNo: **92213**
Prep Date: **10/28/2022**	Analysis Date: **11/1/2022**	SeqNo: **3311403** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.96		1.000		96.0	70	130			

Sample ID: **LCS-71164**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **71164**	RunNo: **92213**
Prep Date: **10/28/2022**	Analysis Date: **11/1/2022**	SeqNo: **3311404** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.97		1.000		96.8	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 standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: GHD Midland Work Order Number: 2210C59 RcptNo: 1

Received By: Juan Rojas 10/26/2022 7:10:00 AM

Completed By: Sean Livingston 10/26/2022 7:55:33 AM

Reviewed By: JR 10/26/22

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	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

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

Adjusted? _____

Checked by: KPA 10.26.22

Special Handling (if applicable)

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

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.3	Good				

Released to Imaging: 1/17/2023 10:41:10 AM
Received by OCD: 12/19/2022 11:41:21 PM

Chain-of-Custody Record

Client: GHD

Mailing Address: 324 W Main St.
Artesia, NM 88210

Phone #: (505) 377-4218

email or Fax#: nate.reece@ghd.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☑ Standard ☒ Rush 5 days

Project Name: Robinson B Federal #1

Project #: 12574110

Project Manager: Nate Reece
JT Murrey

Sampler: Liam Gierstorf

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 3.4-0.1=3.3 (°C)

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2210C59	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
10/24	1100	Soil	BH49	Jar		001	X	X					X	Med	300	
	1105		BH50			002										
	1110		BH51			003										
	1130		BH52			004										
	1135		BH53			005										
	1140		BH54			006										
	1145		BH55			007										
	1150		BH56			008										
	1155		BH57			009										
	1200		BH58			010										
	1230		BH59			011										
	1235		BH60			012										

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
10/25	0800	Liam Gierstorf	[signature]		10/25/22	800
10/25/22	1900	[signature]	[signature]	courier	10/26/22	7:10

Remarks: Please email chase_settle@eogresources.com; jt_murrey@ghd.com; amber_griffin@eogresources.com; liam.gierstorf@ghd.com; matthew_langford@ghd.com; along w/ Nate Reece. Bill to Chase Settle, EOG

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

Released to Imaging: 1/17/2023 10:41:10 AM
Received by OCD: 12/19/2022 1:41:21 PM

Chain-of-Custody Record

Client: GHD

Mailing Address: 324 W Main St. Artesia, NM 88210

Phone #: (505) 377-4218

email or Fax#: nate.reece@ghd.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time:
☑ Standard ☒ Rush 5 days

Project Name: Robinson B Federal #1

Project #: 12574160

Project Manager: Nate Reece
JT Murrey

Sampler: Liam Giersdorf

On Ice: ☑ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 3-4-0.1=3.3 (°C)

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
10/24	[illegible]	[illegible]/soil	BH61	Jar		013	X	X					X	mod		300
	1245	Soil	BH62			014										
	1250		BH63			015										
	1255		BH64			016										
	1300		BH65			017										
	1305		BH66			018										
	1310		BH67			019										
	1315		SW30			020										
	1320		SW31			021										
	1325		SW32			022										
	1330		SW33			023										
	1335		SW34			024										

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
10/25	0800	Liam Giersdorf	[signature]		10/26/22	800
10/25/22	1900	[signature]	[signature]	Courier	10/26/22	7:10

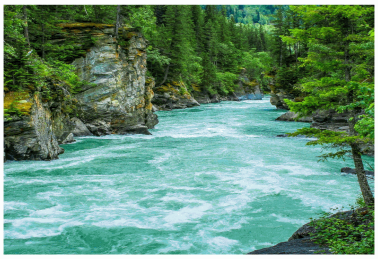
Remarks: Please email chase_settle@eogresources.com; jt.murrey@ghd.com; amber_griffin@eogresources.com; liam.giersdorf@ghd.com; matthew.laughlin@ghd.com; along w/ Nate Reece. Bill to Chase Settle, EOG

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

Report to:

Nate Reece









5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

NELAP ACCREDITED TNI LABORATORY

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

GHD

Project Name: 12574110 Robinson

Work Order: E211041

Job Number: 19034-0001

Received: 11/8/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/15/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 11/15/22

Nate Reece
6121 Indian School Rd. NE #200
Albuquerque, NM 87110

Project Name: 12574110 Robinson
Workorder: E211041
Date Received: 11/8/2022 11:00:00AM

Nate Reece,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/8/2022 11:00:00AM, under the Project Name: 12574110 Robinson.

The analytical test results summarized in this report with the Project Name: 12574110 Robinson apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

GHD	Project Name:	12574110 Robinson	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/15/22 08:27

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW28A	E211041-01A	Soil	11/04/22	11/08/22	Glass Jar, 4 oz.
SW29A	E211041-02A	Soil	11/04/22	11/08/22	Glass Jar, 4 oz.
SW22A	E211041-03A	Soil	11/04/22	11/08/22	Glass Jar, 4 oz.
BH46A	E211041-04A	Soil	11/04/22	11/08/22	Glass Jar, 4 oz.
BH47A	E211041-05A	Soil	11/04/22	11/08/22	Glass Jar, 4 oz.
BH48A	E211041-06A	Soil	11/04/22	11/08/22	Glass Jar, 4 oz.
BH41A	E211041-07A	Soil	11/04/22	11/08/22	Glass Jar, 4 oz.
BH35A	E211041-08A	Soil	11/04/22	11/08/22	Glass Jar, 4 oz.
BH39A	E211041-09A	Soil	11/04/22	11/08/22	Glass Jar, 4 oz.
BH2A	E211041-10A	Soil	11/04/22	11/08/22	Glass Jar, 4 oz.
BH3A	E211041-11A	Soil	11/04/22	11/08/22	Glass Jar, 4 oz.
BH4A	E211041-12A	Soil	11/04/22	11/08/22	Glass Jar, 4 oz.
BH5A	E211041-13A	Soil	11/04/22	11/08/22	Glass Jar, 4 oz.
BH7A	E211041-14A	Soil	11/04/22	11/08/22	Glass Jar, 4 oz.
BH8A	E211041-15A	Soil	11/04/22	11/08/22	Glass Jar, 4 oz.
BH10A	E211041-16A	Soil	11/04/22	11/08/22	Glass Jar, 4 oz.
BH11A	E211041-17A	Soil	11/04/22	11/08/22	Glass Jar, 4 oz.
BH12A	E211041-18A	Soil	11/04/22	11/08/22	Glass Jar, 4 oz.
BH13A	E211041-19A	Soil	11/04/22	11/08/22	Glass Jar, 4 oz.
BH14A	E211041-20A	Soil	11/04/22	11/08/22	Glass Jar, 4 oz.
BH15A	E211041-21A	Soil	11/04/22	11/08/22	Glass Jar, 4 oz.
BH17A	E211041-22A	Soil	11/04/22	11/08/22	Glass Jar, 4 oz.
BH19A	E211041-23A	Soil	11/04/22	11/08/22	Glass Jar, 4 oz.
BH21A	E211041-24A	Soil	11/04/22	11/08/22	Glass Jar, 4 oz.

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/15/2022 8:27:37AM

SW28A

E211041-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2246026
Benzene	ND	0.0250	1	11/08/22	11/08/22	
Ethylbenzene	ND	0.0250	1	11/08/22	11/08/22	
Toluene	ND	0.0250	1	11/08/22	11/08/22	
o-Xylene	ND	0.0250	1	11/08/22	11/08/22	
p,m-Xylene	ND	0.0500	1	11/08/22	11/08/22	
Total Xylenes	ND	0.0250	1	11/08/22	11/08/22	
Surrogate: Bromofluorobenzene		*98.5 %*	*70-130*	*11/08/22*	*11/08/22*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*11/08/22*	*11/08/22*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*11/08/22*	*11/08/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2246026
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/22	11/08/22	
Surrogate: Bromofluorobenzene		*98.5 %*	*70-130*	*11/08/22*	*11/08/22*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*11/08/22*	*11/08/22*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*11/08/22*	*11/08/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2246031
Diesel Range Organics (C10-C28)	**171**	25.0	1	11/09/22	11/10/22	
Oil Range Organics (C28-C36)	**290**	50.0	1	11/09/22	11/10/22	
Surrogate: n-Nonane		*136 %*	*50-200*	*11/09/22*	*11/10/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2246044
Chloride	ND	20.0	1	11/09/22	11/10/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/15/2022 8:27:37AM

SW29A

E211041-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2246026
Benzene	ND	0.0250	1	11/08/22	11/08/22	
Ethylbenzene	ND	0.0250	1	11/08/22	11/08/22	
Toluene	ND	0.0250	1	11/08/22	11/08/22	
o-Xylene	ND	0.0250	1	11/08/22	11/08/22	
p,m-Xylene	ND	0.0500	1	11/08/22	11/08/22	
Total Xylenes	ND	0.0250	1	11/08/22	11/08/22	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*11/08/22*	*11/08/22*	
Surrogate: 1,2-Dichloroethane-d4		*97.3 %*	*70-130*	*11/08/22*	*11/08/22*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*11/08/22*	*11/08/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2246026
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/22	11/08/22	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*11/08/22*	*11/08/22*	
Surrogate: 1,2-Dichloroethane-d4		*97.3 %*	*70-130*	*11/08/22*	*11/08/22*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*11/08/22*	*11/08/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2246031
Diesel Range Organics (C10-C28)	**90.3**	25.0	1	11/09/22	11/10/22	
Oil Range Organics (C28-C36)	**149**	50.0	1	11/09/22	11/10/22	
Surrogate: n-Nonane		*140 %*	*50-200*	*11/09/22*	*11/10/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2246044
Chloride	**59.3**	20.0	1	11/09/22	11/10/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/15/2022 8:27:37AM

SW22A

E211041-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2246026
Benzene	ND	0.0250	1	11/08/22	11/08/22	
Ethylbenzene	ND	0.0250	1	11/08/22	11/08/22	
Toluene	ND	0.0250	1	11/08/22	11/08/22	
o-Xylene	ND	0.0250	1	11/08/22	11/08/22	
p,m-Xylene	ND	0.0500	1	11/08/22	11/08/22	
Total Xylenes	ND	0.0250	1	11/08/22	11/08/22	
Surrogate: Bromofluorobenzene		*98.7 %*	*70-130*	*11/08/22*	*11/08/22*	
Surrogate: 1,2-Dichloroethane-d4		*96.9 %*	*70-130*	*11/08/22*	*11/08/22*	
Surrogate: Toluene-d8		*99.5 %*	*70-130*	*11/08/22*	*11/08/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2246026
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/22	11/08/22	
Surrogate: Bromofluorobenzene		*98.7 %*	*70-130*	*11/08/22*	*11/08/22*	
Surrogate: 1,2-Dichloroethane-d4		*96.9 %*	*70-130*	*11/08/22*	*11/08/22*	
Surrogate: Toluene-d8		*99.5 %*	*70-130*	*11/08/22*	*11/08/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2246031
Diesel Range Organics (C10-C28)	**276**	25.0	1	11/09/22	11/10/22	
Oil Range Organics (C28-C36)	**457**	50.0	1	11/09/22	11/10/22	
Surrogate: n-Nonane		*134 %*	*50-200*	*11/09/22*	*11/10/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2246044
Chloride	**24.7**	20.0	1	11/09/22	11/10/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/15/2022 8:27:37AM

BH46A

E211041-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2246026
Benzene	ND	0.0250	1	11/08/22	11/08/22	
Ethylbenzene	ND	0.0250	1	11/08/22	11/08/22	
Toluene	ND	0.0250	1	11/08/22	11/08/22	
o-Xylene	ND	0.0250	1	11/08/22	11/08/22	
p,m-Xylene	ND	0.0500	1	11/08/22	11/08/22	
Total Xylenes	ND	0.0250	1	11/08/22	11/08/22	
Surrogate: Bromofluorobenzene		*98.0 %*	*70-130*	*11/08/22*	*11/08/22*	
Surrogate: 1,2-Dichloroethane-d4		*96.6 %*	*70-130*	*11/08/22*	*11/08/22*	
Surrogate: Toluene-d8		*98.9 %*	*70-130*	*11/08/22*	*11/08/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2246026
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/22	11/08/22	
Surrogate: Bromofluorobenzene		*98.0 %*	*70-130*	*11/08/22*	*11/08/22*	
Surrogate: 1,2-Dichloroethane-d4		*96.6 %*	*70-130*	*11/08/22*	*11/08/22*	
Surrogate: Toluene-d8		*98.9 %*	*70-130*	*11/08/22*	*11/08/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2246031
Diesel Range Organics (C10-C28)	**854**	25.0	1	11/09/22	11/10/22	
Oil Range Organics (C28-C36)	**1440**	50.0	1	11/09/22	11/10/22	
Surrogate: n-Nonane		*137 %*	*50-200*	*11/09/22*	*11/10/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2246044
Chloride	**51.5**	20.0	1	11/09/22	11/10/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/15/2022 8:27:37AM

BH47A

E211041-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2246026
Benzene	ND	0.0250	1	11/08/22	11/08/22	
Ethylbenzene	ND	0.0250	1	11/08/22	11/08/22	
Toluene	ND	0.0250	1	11/08/22	11/08/22	
o-Xylene	ND	0.0250	1	11/08/22	11/08/22	
p,m-Xylene	ND	0.0500	1	11/08/22	11/08/22	
Total Xylenes	ND	0.0250	1	11/08/22	11/08/22	
Surrogate: Bromofluorobenzene		*98.7 %*	*70-130*	*11/08/22*	*11/08/22*	
Surrogate: 1,2-Dichloroethane-d4		*98.8 %*	*70-130*	*11/08/22*	*11/08/22*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*11/08/22*	*11/08/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2246026
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/22	11/08/22	
Surrogate: Bromofluorobenzene		*98.7 %*	*70-130*	*11/08/22*	*11/08/22*	
Surrogate: 1,2-Dichloroethane-d4		*98.8 %*	*70-130*	*11/08/22*	*11/08/22*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*11/08/22*	*11/08/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2246031
Diesel Range Organics (C10-C28)	**690**	125	5	11/09/22	11/10/22	
Oil Range Organics (C28-C36)	**1090**	250	5	11/09/22	11/10/22	
Surrogate: n-Nonane		*132 %*	*50-200*	*11/09/22*	*11/10/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2246044
Chloride	**32.3**	20.0	1	11/09/22	11/10/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/15/2022 8:27:37AM

BH48A

E211041-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2246026
Benzene	ND	0.0250	1	11/08/22	11/08/22	
Ethylbenzene	ND	0.0250	1	11/08/22	11/08/22	
Toluene	ND	0.0250	1	11/08/22	11/08/22	
o-Xylene	ND	0.0250	1	11/08/22	11/08/22	
p,m-Xylene	ND	0.0500	1	11/08/22	11/08/22	
Total Xylenes	ND	0.0250	1	11/08/22	11/08/22	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*11/08/22*	*11/08/22*	
Surrogate: 1,2-Dichloroethane-d4		*95.8 %*	*70-130*	*11/08/22*	*11/08/22*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*11/08/22*	*11/08/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2246026
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/22	11/08/22	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*11/08/22*	*11/08/22*	
Surrogate: 1,2-Dichloroethane-d4		*95.8 %*	*70-130*	*11/08/22*	*11/08/22*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*11/08/22*	*11/08/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2246031
Diesel Range Organics (C10-C28)	**520**	50.0	2	11/09/22	11/10/22	
Oil Range Organics (C28-C36)	**744**	100	2	11/09/22	11/10/22	
Surrogate: n-Nonane		*131 %*	*50-200*	*11/09/22*	*11/10/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2246044
Chloride	**31.8**	20.0	1	11/09/22	11/10/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/15/2022 8:27:37AM

BH41A

E211041-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2246026
Benzene	ND	0.0250	1	11/08/22	11/08/22	
Ethylbenzene	ND	0.0250	1	11/08/22	11/08/22	
Toluene	ND	0.0250	1	11/08/22	11/08/22	
o-Xylene	ND	0.0250	1	11/08/22	11/08/22	
p,m-Xylene	ND	0.0500	1	11/08/22	11/08/22	
Total Xylenes	ND	0.0250	1	11/08/22	11/08/22	
Surrogate: Bromofluorobenzene		*97.6 %*	*70-130*	*11/08/22*	*11/08/22*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*11/08/22*	*11/08/22*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*11/08/22*	*11/08/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2246026
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/22	11/08/22	
Surrogate: Bromofluorobenzene		*97.6 %*	*70-130*	*11/08/22*	*11/08/22*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*11/08/22*	*11/08/22*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*11/08/22*	*11/08/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2246031
Diesel Range Organics (C10-C28)	**155**	25.0	1	11/09/22	11/10/22	
Oil Range Organics (C28-C36)	**319**	50.0	1	11/09/22	11/10/22	
Surrogate: n-Nonane		*131 %*	*50-200*	*11/09/22*	*11/10/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2246044
Chloride	**75.5**	20.0	1	11/09/22	11/10/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/15/2022 8:27:37AM

BH35A

E211041-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2246026
Benzene	ND	0.0250	1	11/08/22	11/08/22	
Ethylbenzene	ND	0.0250	1	11/08/22	11/08/22	
Toluene	ND	0.0250	1	11/08/22	11/08/22	
o-Xylene	ND	0.0250	1	11/08/22	11/08/22	
p,m-Xylene	ND	0.0500	1	11/08/22	11/08/22	
Total Xylenes	ND	0.0250	1	11/08/22	11/08/22	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*11/08/22*	*11/08/22*	
Surrogate: 1,2-Dichloroethane-d4		*97.6 %*	*70-130*	*11/08/22*	*11/08/22*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*11/08/22*	*11/08/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2246026
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/22	11/08/22	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*11/08/22*	*11/08/22*	
Surrogate: 1,2-Dichloroethane-d4		*97.6 %*	*70-130*	*11/08/22*	*11/08/22*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*11/08/22*	*11/08/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2246031
Diesel Range Organics (C10-C28)	ND	25.0	1	11/09/22	11/10/22	
Oil Range Organics (C28-C36)	**56.7**	50.0	1	11/09/22	11/10/22	
Surrogate: n-Nonane		*108 %*	*50-200*	*11/09/22*	*11/10/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2246044
Chloride	**29.3**	20.0	1	11/09/22	11/10/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/15/2022 8:27:37AM

BH39A

E211041-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2246026
Benzene	ND	0.0250	1	11/08/22	11/08/22	
Ethylbenzene	ND	0.0250	1	11/08/22	11/08/22	
Toluene	ND	0.0250	1	11/08/22	11/08/22	
o-Xylene	ND	0.0250	1	11/08/22	11/08/22	
p,m-Xylene	ND	0.0500	1	11/08/22	11/08/22	
Total Xylenes	ND	0.0250	1	11/08/22	11/08/22	
Surrogate: Bromofluorobenzene		*99.5 %*	*70-130*	*11/08/22*	*11/08/22*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*11/08/22*	*11/08/22*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*11/08/22*	*11/08/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2246026
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/22	11/08/22	
Surrogate: Bromofluorobenzene		*99.5 %*	*70-130*	*11/08/22*	*11/08/22*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*11/08/22*	*11/08/22*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*11/08/22*	*11/08/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2246031
Diesel Range Organics (C10-C28)	**204**	25.0	1	11/09/22	11/10/22	
Oil Range Organics (C28-C36)	**212**	50.0	1	11/09/22	11/10/22	
Surrogate: n-Nonane		*135 %*	*50-200*	*11/09/22*	*11/10/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2246044
Chloride	**58.3**	20.0	1	11/09/22	11/10/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/15/2022 8:27:37AM

BH2A

E211041-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2246026
Benzene	ND	0.0250	1	11/08/22	11/08/22	
Ethylbenzene	ND	0.0250	1	11/08/22	11/08/22	
Toluene	ND	0.0250	1	11/08/22	11/08/22	
o-Xylene	ND	0.0250	1	11/08/22	11/08/22	
p,m-Xylene	ND	0.0500	1	11/08/22	11/08/22	
Total Xylenes	ND	0.0250	1	11/08/22	11/08/22	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*11/08/22*	*11/08/22*	
Surrogate: 1,2-Dichloroethane-d4		*98.0 %*	*70-130*	*11/08/22*	*11/08/22*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*11/08/22*	*11/08/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2246026
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/22	11/08/22	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*11/08/22*	*11/08/22*	
Surrogate: 1,2-Dichloroethane-d4		*98.0 %*	*70-130*	*11/08/22*	*11/08/22*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*11/08/22*	*11/08/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2246031
Diesel Range Organics (C10-C28)	ND	25.0	1	11/09/22	11/10/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/09/22	11/10/22	
Surrogate: n-Nonane		*105 %*	*50-200*	*11/09/22*	*11/10/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2246044
Chloride	**116**	20.0	1	11/09/22	11/10/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/15/2022 8:27:37AM

BH3A

E211041-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2246026
Benzene	ND	0.0250	1	11/08/22	11/08/22	
Ethylbenzene	ND	0.0250	1	11/08/22	11/08/22	
Toluene	ND	0.0250	1	11/08/22	11/08/22	
o-Xylene	ND	0.0250	1	11/08/22	11/08/22	
p,m-Xylene	ND	0.0500	1	11/08/22	11/08/22	
Total Xylenes	ND	0.0250	1	11/08/22	11/08/22	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*11/08/22*	*11/08/22*	
Surrogate: 1,2-Dichloroethane-d4		*98.1 %*	*70-130*	*11/08/22*	*11/08/22*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*11/08/22*	*11/08/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2246026
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/22	11/08/22	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*11/08/22*	*11/08/22*	
Surrogate: 1,2-Dichloroethane-d4		*98.1 %*	*70-130*	*11/08/22*	*11/08/22*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*11/08/22*	*11/08/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2246031
Diesel Range Organics (C10-C28)	ND	25.0	1	11/09/22	11/10/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/09/22	11/10/22	
Surrogate: n-Nonane		*109 %*	*50-200*	*11/09/22*	*11/10/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2246044
Chloride	**76.4**	20.0	1	11/09/22	11/10/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/15/2022 8:27:37AM

BH4A

E211041-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2246026
Benzene	ND	0.0250	1	11/08/22	11/08/22	
Ethylbenzene	ND	0.0250	1	11/08/22	11/08/22	
Toluene	ND	0.0250	1	11/08/22	11/08/22	
o-Xylene	ND	0.0250	1	11/08/22	11/08/22	
p,m-Xylene	ND	0.0500	1	11/08/22	11/08/22	
Total Xylenes	ND	0.0250	1	11/08/22	11/08/22	
Surrogate: Bromofluorobenzene		*99.9 %*	*70-130*	*11/08/22*	*11/08/22*	
Surrogate: 1,2-Dichloroethane-d4		*98.6 %*	*70-130*	*11/08/22*	*11/08/22*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*11/08/22*	*11/08/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2246026
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/22	11/08/22	
Surrogate: Bromofluorobenzene		*99.9 %*	*70-130*	*11/08/22*	*11/08/22*	
Surrogate: 1,2-Dichloroethane-d4		*98.6 %*	*70-130*	*11/08/22*	*11/08/22*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*11/08/22*	*11/08/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2246031
Diesel Range Organics (C10-C28)	ND	25.0	1	11/09/22	11/10/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/09/22	11/10/22	
Surrogate: n-Nonane		*112 %*	*50-200*	*11/09/22*	*11/10/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2246044
Chloride	**37.2**	20.0	1	11/09/22	11/10/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/15/2022 8:27:37AM

BH5A

E211041-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2246026
Benzene	ND	0.0250	1	11/08/22	11/08/22	
Ethylbenzene	ND	0.0250	1	11/08/22	11/08/22	
Toluene	ND	0.0250	1	11/08/22	11/08/22	
o-Xylene	ND	0.0250	1	11/08/22	11/08/22	
p,m-Xylene	ND	0.0500	1	11/08/22	11/08/22	
Total Xylenes	ND	0.0250	1	11/08/22	11/08/22	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*11/08/22*	*11/08/22*	
Surrogate: 1,2-Dichloroethane-d4		*95.1 %*	*70-130*	*11/08/22*	*11/08/22*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*11/08/22*	*11/08/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2246026
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/22	11/08/22	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*11/08/22*	*11/08/22*	
Surrogate: 1,2-Dichloroethane-d4		*95.1 %*	*70-130*	*11/08/22*	*11/08/22*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*11/08/22*	*11/08/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2246031
Diesel Range Organics (C10-C28)	**367**	25.0	1	11/09/22	11/10/22	
Oil Range Organics (C28-C36)	**485**	50.0	1	11/09/22	11/10/22	
Surrogate: n-Nonane		*139 %*	*50-200*	*11/09/22*	*11/10/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2246044
Chloride	**111**	20.0	1	11/09/22	11/10/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/15/2022 8:27:37AM

BH7A

E211041-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2246026
Benzene	ND	0.0250	1	11/08/22	11/09/22	
Ethylbenzene	ND	0.0250	1	11/08/22	11/09/22	
Toluene	ND	0.0250	1	11/08/22	11/09/22	
o-Xylene	ND	0.0250	1	11/08/22	11/09/22	
p,m-Xylene	ND	0.0500	1	11/08/22	11/09/22	
Total Xylenes	ND	0.0250	1	11/08/22	11/09/22	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*11/08/22*	*11/09/22*	
Surrogate: 1,2-Dichloroethane-d4		*95.1 %*	*70-130*	*11/08/22*	*11/09/22*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*11/08/22*	*11/09/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2246026
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/22	11/09/22	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*11/08/22*	*11/09/22*	
Surrogate: 1,2-Dichloroethane-d4		*95.1 %*	*70-130*	*11/08/22*	*11/09/22*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*11/08/22*	*11/09/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2246031
Diesel Range Organics (C10-C28)	ND	25.0	1	11/09/22	11/10/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/09/22	11/10/22	
Surrogate: n-Nonane		*115 %*	*50-200*	*11/09/22*	*11/10/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2246044
Chloride	**20.5**	20.0	1	11/09/22	11/10/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/15/2022 8:27:37AM

BH8A

E211041-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2246026
Benzene	ND	0.0250	1	11/08/22	11/09/22	
Ethylbenzene	ND	0.0250	1	11/08/22	11/09/22	
Toluene	ND	0.0250	1	11/08/22	11/09/22	
o-Xylene	ND	0.0250	1	11/08/22	11/09/22	
p,m-Xylene	ND	0.0500	1	11/08/22	11/09/22	
Total Xylenes	ND	0.0250	1	11/08/22	11/09/22	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*11/08/22*	*11/09/22*	
Surrogate: 1,2-Dichloroethane-d4		*98.6 %*	*70-130*	*11/08/22*	*11/09/22*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*11/08/22*	*11/09/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2246026
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/22	11/09/22	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*11/08/22*	*11/09/22*	
Surrogate: 1,2-Dichloroethane-d4		*98.6 %*	*70-130*	*11/08/22*	*11/09/22*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*11/08/22*	*11/09/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2246031
Diesel Range Organics (C10-C28)	ND	25.0	1	11/09/22	11/10/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/09/22	11/10/22	
Surrogate: n-Nonane		*117 %*	*50-200*	*11/09/22*	*11/10/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2246044
Chloride	**77.3**	20.0	1	11/09/22	11/10/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/15/2022 8:27:37AM

BH10A

E211041-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2246026
Benzene	ND	0.0250	1	11/08/22	11/09/22	
Ethylbenzene	ND	0.0250	1	11/08/22	11/09/22	
Toluene	ND	0.0250	1	11/08/22	11/09/22	
o-Xylene	ND	0.0250	1	11/08/22	11/09/22	
p,m-Xylene	ND	0.0500	1	11/08/22	11/09/22	
Total Xylenes	ND	0.0250	1	11/08/22	11/09/22	
Surrogate: Bromofluorobenzene		*99.1 %*	*70-130*	*11/08/22*	*11/09/22*	
Surrogate: 1,2-Dichloroethane-d4		*97.8 %*	*70-130*	*11/08/22*	*11/09/22*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*11/08/22*	*11/09/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2246026
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/22	11/09/22	
Surrogate: Bromofluorobenzene		*99.1 %*	*70-130*	*11/08/22*	*11/09/22*	
Surrogate: 1,2-Dichloroethane-d4		*97.8 %*	*70-130*	*11/08/22*	*11/09/22*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*11/08/22*	*11/09/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2246031
Diesel Range Organics (C10-C28)	ND	25.0	1	11/09/22	11/10/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/09/22	11/10/22	
Surrogate: n-Nonane		*104 %*	*50-200*	*11/09/22*	*11/10/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2246044
Chloride	ND	20.0	1	11/09/22	11/10/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/15/2022 8:27:37AM

BH11A

E211041-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2246026
Benzene	ND	0.0250	1	11/08/22	11/09/22	
Ethylbenzene	ND	0.0250	1	11/08/22	11/09/22	
Toluene	ND	0.0250	1	11/08/22	11/09/22	
o-Xylene	ND	0.0250	1	11/08/22	11/09/22	
p,m-Xylene	ND	0.0500	1	11/08/22	11/09/22	
Total Xylenes	ND	0.0250	1	11/08/22	11/09/22	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*11/08/22*	*11/09/22*	
Surrogate: 1,2-Dichloroethane-d4		*95.5 %*	*70-130*	*11/08/22*	*11/09/22*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*11/08/22*	*11/09/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2246026
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/22	11/09/22	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*11/08/22*	*11/09/22*	
Surrogate: 1,2-Dichloroethane-d4		*95.5 %*	*70-130*	*11/08/22*	*11/09/22*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*11/08/22*	*11/09/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2246031
Diesel Range Organics (C10-C28)	**2360**	500	20	11/09/22	11/10/22	
Oil Range Organics (C28-C36)	**2240**	1000	20	11/09/22	11/10/22	
Surrogate: n-Nonane		*132 %*	*50-200*	*11/09/22*	*11/10/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2246044
Chloride	**122**	20.0	1	11/09/22	11/10/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/15/2022 8:27:37AM

BH12A

E211041-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2246026
Benzene	ND	0.0250	1	11/08/22	11/09/22	
Ethylbenzene	ND	0.0250	1	11/08/22	11/09/22	
Toluene	ND	0.0250	1	11/08/22	11/09/22	
o-Xylene	ND	0.0250	1	11/08/22	11/09/22	
p,m-Xylene	ND	0.0500	1	11/08/22	11/09/22	
Total Xylenes	ND	0.0250	1	11/08/22	11/09/22	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*11/08/22*	*11/09/22*	
Surrogate: 1,2-Dichloroethane-d4		*95.8 %*	*70-130*	*11/08/22*	*11/09/22*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*11/08/22*	*11/09/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2246026
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/22	11/09/22	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*11/08/22*	*11/09/22*	
Surrogate: 1,2-Dichloroethane-d4		*95.8 %*	*70-130*	*11/08/22*	*11/09/22*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*11/08/22*	*11/09/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2246031
Diesel Range Organics (C10-C28)	**223**	25.0	1	11/09/22	11/10/22	
Oil Range Organics (C28-C36)	**385**	50.0	1	11/09/22	11/10/22	
Surrogate: n-Nonane		*138 %*	*50-200*	*11/09/22*	*11/10/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2246044
Chloride	**185**	20.0	1	11/09/22	11/10/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/15/2022 8:27:37AM

BH13A

E211041-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2246026
Benzene	ND	0.0250	1	11/08/22	11/09/22	
Ethylbenzene	ND	0.0250	1	11/08/22	11/09/22	
Toluene	ND	0.0250	1	11/08/22	11/09/22	
o-Xylene	ND	0.0250	1	11/08/22	11/09/22	
p,m-Xylene	ND	0.0500	1	11/08/22	11/09/22	
Total Xylenes	ND	0.0250	1	11/08/22	11/09/22	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*11/08/22*	*11/09/22*	
Surrogate: 1,2-Dichloroethane-d4		*95.6 %*	*70-130*	*11/08/22*	*11/09/22*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*11/08/22*	*11/09/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2246026
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/22	11/09/22	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*11/08/22*	*11/09/22*	
Surrogate: 1,2-Dichloroethane-d4		*95.6 %*	*70-130*	*11/08/22*	*11/09/22*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*11/08/22*	*11/09/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2246031
Diesel Range Organics (C10-C28)	**6590**	500	20	11/09/22	11/10/22	
Oil Range Organics (C28-C36)	**8090**	1000	20	11/09/22	11/10/22	
Surrogate: n-Nonane		*126 %*	*50-200*	*11/09/22*	*11/10/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2246044
Chloride	**136**	20.0	1	11/09/22	11/10/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/15/2022 8:27:37AM

BH14A

E211041-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2246026
Benzene	ND	0.0250	1	11/08/22	11/09/22	
Ethylbenzene	ND	0.0250	1	11/08/22	11/09/22	
Toluene	ND	0.0250	1	11/08/22	11/09/22	
o-Xylene	ND	0.0250	1	11/08/22	11/09/22	
p,m-Xylene	ND	0.0500	1	11/08/22	11/09/22	
Total Xylenes	ND	0.0250	1	11/08/22	11/09/22	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*11/08/22*	*11/09/22*	
Surrogate: 1,2-Dichloroethane-d4		*96.7 %*	*70-130*	*11/08/22*	*11/09/22*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*11/08/22*	*11/09/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2246026
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/22	11/09/22	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*11/08/22*	*11/09/22*	
Surrogate: 1,2-Dichloroethane-d4		*96.7 %*	*70-130*	*11/08/22*	*11/09/22*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*11/08/22*	*11/09/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2246031
Diesel Range Organics (C10-C28)	**161**	25.0	1	11/09/22	11/10/22	
Oil Range Organics (C28-C36)	**284**	50.0	1	11/09/22	11/10/22	
Surrogate: n-Nonane		*137 %*	*50-200*	*11/09/22*	*11/10/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2246044
Chloride	**120**	20.0	1	11/09/22	11/11/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/15/2022 8:27:37AM

BH15A

E211041-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2246032
Benzene	ND	0.0250	1	11/08/22	11/11/22	
Ethylbenzene	ND	0.0250	1	11/08/22	11/11/22	
Toluene	ND	0.0250	1	11/08/22	11/11/22	
o-Xylene	ND	0.0250	1	11/08/22	11/11/22	
p,m-Xylene	ND	0.0500	1	11/08/22	11/11/22	
Total Xylenes	ND	0.0250	1	11/08/22	11/11/22	
Surrogate: 4-Bromochlorobenzene-PID		*97.5 %*	*70-130*	*11/08/22*	*11/11/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2246032
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/22	11/11/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*82.5 %*	*70-130*	*11/08/22*	*11/11/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2246041
Diesel Range Organics (C10-C28)	**649**	25.0	1	11/09/22	11/09/22	
Oil Range Organics (C28-C36)	**604**	50.0	1	11/09/22	11/09/22	
Surrogate: n-Nonane		*149 %*	*50-200*	*11/09/22*	*11/09/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2246039
Chloride	**58.4**	20.0	1	11/09/22	11/10/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/15/2022 8:27:37AM

BH17A

E211041-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2246032
Benzene	ND	0.0250	1	11/08/22	11/11/22	
Ethylbenzene	ND	0.0250	1	11/08/22	11/11/22	
Toluene	ND	0.0250	1	11/08/22	11/11/22	
o-Xylene	ND	0.0250	1	11/08/22	11/11/22	
p,m-Xylene	ND	0.0500	1	11/08/22	11/11/22	
Total Xylenes	ND	0.0250	1	11/08/22	11/11/22	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*11/08/22*	*11/11/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2246032
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/22	11/11/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*82.7 %*	*70-130*	*11/08/22*	*11/11/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2246041
Diesel Range Organics (C10-C28)	**69.1**	25.0	1	11/09/22	11/09/22	
Oil Range Organics (C28-C36)	**75.2**	50.0	1	11/09/22	11/09/22	
Surrogate: n-Nonane		*127 %*	*50-200*	*11/09/22*	*11/09/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2246039
Chloride	**64.7**	20.0	1	11/09/22	11/10/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/15/2022 8:27:37AM

BH19A

E211041-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2246032
Benzene	ND	0.0250	1	11/08/22	11/11/22	
Ethylbenzene	ND	0.0250	1	11/08/22	11/11/22	
Toluene	ND	0.0250	1	11/08/22	11/11/22	
o-Xylene	ND	0.0250	1	11/08/22	11/11/22	
p,m-Xylene	ND	0.0500	1	11/08/22	11/11/22	
Total Xylenes	ND	0.0250	1	11/08/22	11/11/22	
Surrogate: 4-Bromochlorobenzene-PID		*97.9 %*	*70-130*	*11/08/22*	*11/11/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2246032
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/22	11/11/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.2 %*	*70-130*	*11/08/22*	*11/11/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2246041
Diesel Range Organics (C10-C28)	**84.4**	25.0	1	11/09/22	11/09/22	
Oil Range Organics (C28-C36)	**81.2**	50.0	1	11/09/22	11/09/22	
Surrogate: n-Nonane		*129 %*	*50-200*	*11/09/22*	*11/09/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2246039
Chloride	**133**	20.0	1	11/09/22	11/10/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/15/2022 8:27:37AM

BH21A

E211041-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2246032
Benzene	ND	0.0250	1	11/08/22	11/11/22	
Ethylbenzene	ND	0.0250	1	11/08/22	11/11/22	
Toluene	ND	0.0250	1	11/08/22	11/11/22	
o-Xylene	ND	0.0250	1	11/08/22	11/11/22	
p,m-Xylene	ND	0.0500	1	11/08/22	11/11/22	
Total Xylenes	ND	0.0250	1	11/08/22	11/11/22	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*11/08/22*	*11/11/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2246032
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/22	11/11/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*81.9 %*	*70-130*	*11/08/22*	*11/11/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2246041
Diesel Range Organics (C10-C28)	**86.3**	25.0	1	11/09/22	11/10/22	
Oil Range Organics (C28-C36)	**89.0**	50.0	1	11/09/22	11/10/22	
Surrogate: n-Nonane		*114 %*	*50-200*	*11/09/22*	*11/10/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2246039
Chloride	**316**	20.0	1	11/09/22	11/10/22	

QC Summary Data

GHD	Project Name:	12574110 Robinson	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/15/2022 8:27:37AM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2246026-BLK1)									Prepared: 11/08/22 Analyzed: 11/08/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.500*		*0.500*		*99.9*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.497*		*0.500*		*99.4*	*70-130*			
Surrogate: Toluene-d8	*0.523*		*0.500*		*105*	*70-130*			
LCS (2246026-BS1)									Prepared: 11/08/22 Analyzed: 11/08/22
Benzene	2.54	0.0250	2.50		102	70-130			
Ethylbenzene	2.50	0.0250	2.50		99.9	70-130			
Toluene	2.46	0.0250	2.50		98.4	70-130			
o-Xylene	2.35	0.0250	2.50		93.9	70-130			
p,m-Xylene	4.68	0.0500	5.00		93.6	70-130			
Total Xylenes	7.03	0.0250	7.50		93.7	70-130			
Surrogate: Bromofluorobenzene	*0.515*		*0.500*		*103*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.475*		*0.500*		*95.0*	*70-130*			
Surrogate: Toluene-d8	*0.524*		*0.500*		*105*	*70-130*			
Matrix Spike (2246026-MS1)				**Source: E211041-03**					Prepared: 11/08/22 Analyzed: 11/08/22
Benzene	2.40	0.0250	2.50	ND	96.1	48-131			
Ethylbenzene	2.40	0.0250	2.50	ND	95.9	45-135			
Toluene	2.34	0.0250	2.50	ND	93.8	48-130			
o-Xylene	2.25	0.0250	2.50	ND	89.9	43-135			
p,m-Xylene	4.48	0.0500	5.00	ND	89.6	43-135			
Total Xylenes	6.73	0.0250	7.50	ND	89.7	43-135			
Surrogate: Bromofluorobenzene	*0.507*		*0.500*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.473*		*0.500*		*94.6*	*70-130*			
Surrogate: Toluene-d8	*0.513*		*0.500*		*103*	*70-130*			
Matrix Spike Dup (2246026-MSD1)				**Source: E211041-03**					Prepared: 11/08/22 Analyzed: 11/08/22
Benzene	2.42	0.0250	2.50	ND	96.7	48-131	0.602	23	
Ethylbenzene	2.38	0.0250	2.50	ND	95.2	45-135	0.754	27	
Toluene	2.30	0.0250	2.50	ND	92.1	48-130	1.76	24	
o-Xylene	2.22	0.0250	2.50	ND	88.7	43-135	1.39	27	
p,m-Xylene	4.40	0.0500	5.00	ND	88.1	43-135	1.71	27	
Total Xylenes	6.62	0.0250	7.50	ND	88.3	43-135	1.60	27	
Surrogate: Bromofluorobenzene	*0.508*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.489*		*0.500*		*97.7*	*70-130*			
Surrogate: Toluene-d8	*0.507*		*0.500*		*101*	*70-130*			

QC Summary Data

GHD	Project Name:	12574110 Robinson	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/15/2022 8:27:37AM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2246032-BLK1)									Prepared: 11/08/22 Analyzed: 11/09/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*8.37*		*8.00*		*105*	*70-130*			
LCS (2246032-BS1)									Prepared: 11/08/22 Analyzed: 11/09/22
Benzene	6.51	0.0250	5.00		130	70-130			
Ethylbenzene	5.11	0.0250	5.00		102	70-130			
Toluene	5.48	0.0250	5.00		110	70-130			
o-Xylene	5.20	0.0250	5.00		104	70-130			
p,m-Xylene	10.4	0.0500	10.0		104	70-130			
Total Xylenes	15.6	0.0250	15.0		104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.65*		*8.00*		*108*	*70-130*			
Matrix Spike (2246032-MS1)				**Source: E211044-03**					Prepared: 11/08/22 Analyzed: 11/09/22
Benzene	5.74	0.0250	5.00	ND	115	54-133			
Ethylbenzene	4.50	0.0250	5.00	ND	90.1	61-133			
Toluene	4.83	0.0250	5.00	ND	96.6	61-130			
o-Xylene	4.59	0.0250	5.00	ND	91.8	63-131			
p,m-Xylene	9.16	0.0500	10.0	ND	91.6	63-131			
Total Xylenes	13.8	0.0250	15.0	ND	91.7	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*8.57*		*8.00*		*107*	*70-130*			
Matrix Spike Dup (2246032-MSD1)				**Source: E211044-03**					Prepared: 11/08/22 Analyzed: 11/09/22
Benzene	5.72	0.0250	5.00	ND	114	54-133	0.292	20	
Ethylbenzene	4.49	0.0250	5.00	ND	89.8	61-133	0.230	20	
Toluene	4.81	0.0250	5.00	ND	96.2	61-130	0.373	20	
o-Xylene	4.58	0.0250	5.00	ND	91.6	63-131	0.293	20	
p,m-Xylene	9.13	0.0500	10.0	ND	91.3	63-131	0.337	20	
Total Xylenes	13.7	0.0250	15.0	ND	91.4	63-131	0.322	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.49*		*8.00*		*106*	*70-130*			

QC Summary Data

GHD	Project Name:	12574110 Robinson	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/15/2022 8:27:37AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2246026-BLK1)									Prepared: 11/08/22 Analyzed: 11/08/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.500*		*0.500*		*99.9*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.497*		*0.500*		*99.4*	*70-130*			
Surrogate: Toluene-d8	*0.523*		*0.500*		*105*	*70-130*			
LCS (2246026-BS2)									Prepared: 11/08/22 Analyzed: 11/08/22
Gasoline Range Organics (C6-C10)	52.5	20.0	50.0		105	70-130			
Surrogate: Bromofluorobenzene	*0.490*		*0.500*		*97.9*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.500*		*0.500*		*99.9*	*70-130*			
Surrogate: Toluene-d8	*0.521*		*0.500*		*104*	*70-130*			
Matrix Spike (2246026-MS2)				**Source: E211041-03**					Prepared: 11/08/22 Analyzed: 11/08/22
Gasoline Range Organics (C6-C10)	59.4	20.0	50.0	ND	119	70-130			
Surrogate: Bromofluorobenzene	*0.502*		*0.500*		*100*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.477*		*0.500*		*95.3*	*70-130*			
Surrogate: Toluene-d8	*0.516*		*0.500*		*103*	*70-130*			
Matrix Spike Dup (2246026-MSD2)				**Source: E211041-03**					Prepared: 11/08/22 Analyzed: 11/08/22
Gasoline Range Organics (C6-C10)	58.7	20.0	50.0	ND	117	70-130	1.19	20	
Surrogate: Bromofluorobenzene	*0.507*		*0.500*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.494*		*0.500*		*98.7*	*70-130*			
Surrogate: Toluene-d8	*0.523*		*0.500*		*105*	*70-130*			

QC Summary Data

GHD	Project Name:	12574110 Robinson	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/15/2022 8:27:37AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2246032-BLK1)									Prepared: 11/08/22 Analyzed: 11/09/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.70*		*8.00*		*83.8*	*70-130*			
LCS (2246032-BS2)									Prepared: 11/08/22 Analyzed: 11/09/22
Gasoline Range Organics (C6-C10)	41.1	20.0	50.0		82.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.59*		*8.00*		*82.4*	*70-130*			
Matrix Spike (2246032-MS2)				**Source: E211044-03**					Prepared: 11/08/22 Analyzed: 11/09/22
Gasoline Range Organics (C6-C10)	49.1	20.0	50.0	ND	98.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.50*		*8.00*		*81.2*	*70-130*			
Matrix Spike Dup (2246032-MSD2)				**Source: E211044-03**					Prepared: 11/08/22 Analyzed: 11/09/22
Gasoline Range Organics (C6-C10)	53.4	20.0	50.0	ND	107	70-130	8.37	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.71*		*8.00*		*83.8*	*70-130*			

QC Summary Data

GHD	Project Name:	12574110 Robinson	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/15/2022 8:27:37AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2246031-BLK1)									Prepared: 11/09/22 Analyzed: 11/09/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*56.8*		*50.0*		*114*	*50-200*			
LCS (2246031-BS1)									Prepared: 11/09/22 Analyzed: 11/10/22
Diesel Range Organics (C10-C28)	261	25.0	250		105	38-132			
Surrogate: n-Nonane	*58.8*		*50.0*		*118*	*50-200*			
Matrix Spike (2246031-MS1)				**Source: E211041-02**					Prepared: 11/09/22 Analyzed: 11/10/22
Diesel Range Organics (C10-C28)	408	25.0	250	90.3	127	38-132			
Surrogate: n-Nonane	*67.4*		*50.0*		*135*	*50-200*			
Matrix Spike Dup (2246031-MSD1)				**Source: E211041-02**					Prepared: 11/09/22 Analyzed: 11/10/22
Diesel Range Organics (C10-C28)	377	25.0	250	90.3	115	38-132	8.07	20	
Surrogate: n-Nonane	*67.2*		*50.0*		*134*	*50-200*			

QC Summary Data

GHD	Project Name:	12574110 Robinson	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/15/2022 8:27:37AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2246041-BLK1)									Prepared: 11/09/22 Analyzed: 11/09/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*57.4*		*50.0*		*115*	*50-200*			
LCS (2246041-BS1)									Prepared: 11/09/22 Analyzed: 11/09/22
Diesel Range Organics (C10-C28)	258	25.0	250		103	38-132			
Surrogate: n-Nonane	*57.2*		*50.0*		*114*	*50-200*			
Matrix Spike (2246041-MS1)				**Source: E211041-24**					Prepared: 11/09/22 Analyzed: 11/10/22
Diesel Range Organics (C10-C28)	306	25.0	250	86.3	87.8	38-132			
Surrogate: n-Nonane	*57.3*		*50.0*		*115*	*50-200*			
Matrix Spike Dup (2246041-MSD1)				**Source: E211041-24**					Prepared: 11/09/22 Analyzed: 11/10/22
Diesel Range Organics (C10-C28)	329	25.0	250	86.3	97.1	38-132	7.29	20	
Surrogate: n-Nonane	*57.2*		*50.0*		*114*	*50-200*			

QC Summary Data

GHD	Project Name:	12574110 Robinson	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/15/2022 8:27:37AM

Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2246039-BLK1)									Prepared: 11/09/22 Analyzed: 11/10/22
Chloride	ND	20.0							
LCS (2246039-BS1)									Prepared: 11/09/22 Analyzed: 11/10/22
Chloride	241	20.0	250		96.2	90-110			
Matrix Spike (2246039-MS1)				**Source: E211034-29**					Prepared: 11/09/22 Analyzed: 11/10/22
Chloride	286	20.0	250	43.2	97.1	80-120			
Matrix Spike Dup (2246039-MSD1)				**Source: E211034-29**					Prepared: 11/09/22 Analyzed: 11/10/22
Chloride	293	20.0	250	43.2	99.9	80-120	2.44	20	

QC Summary Data

GHD	Project Name:	12574110 Robinson	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/15/2022 8:27:37AM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2246044-BLK1)									Prepared: 11/09/22 Analyzed: 11/10/22
Chloride	ND	20.0							
LCS (2246044-BS1)									Prepared: 11/09/22 Analyzed: 11/14/22
Chloride	251	20.0	250		100	90-110			
LCS Dup (2246044-BSD1)									Prepared: 11/09/22 Analyzed: 11/11/22
Chloride	248	20.0	250		99.3	90-110	1.08	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/15/22 08:27

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 1/17/2023 10:41:10 AM
Received by OCD: 12/19/2022 1:41:21 PM

Project Information | Chain of Custody | Page 1 of 1

Client: GHD	Bill To
Project: 12574110 Robinson	Attention: EOG Amber Griffin
Project Manager: Nate Reece / JT Murrey	Address: 1045 4th St.
Address:6121 Indian School Rd. NE St. 200	City, State, Zip: Artesia, NM 88210
City, State, Zip: Albuquerque, NM 87110	Phone:
Phone:(281)386-7158	Email: amber_griffin@eogresources.com
Email: nate.reece@ghd.com	
Report due by:	

Lab Use Only: Lab WO# E211041 | Job Number 19034-0001

TAT: 1D | 2D | 3D | Standard ✓

EPA Program: CWA | SDWA | RCRA

State: NM ✓ | CO | UT | AZ | TX

Analysis and Method: TPH GRO/DRO/ORO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC NM | GDOC TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
930	11/04	S	1	SW28A	1	X	X			X			
935				SW29A	2								
940				SW22A	3								
945				BH46A	4								
950				BH47A	5								
955				BH48A	6								
1000				BH41A	7								
1005				BH35A	8								
1010				BH39A	9								
1115	↓	↓	↓	BH12A	10	↓	↓			↓			

Additional Instructions: Please email results to: amber_griffin@eogresources.com; chase_settle@eogresources.com; jt.murrey@ghd.com; liam.giersdorf@ghd.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Liam Giersdorf

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	11/07	0800	[signature]	11-7-22	11:40
[signature]	11-7-22	4:15	Caitlin Christian	11/8/22	11:00

Lab Use Only: Received on ice: (Y) / N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Released to Imaging: 1/17/2023 10:41:10 AM
Received by OCD: 12/19/2022 1:41:21 PM

Client: GHD	**Bill To**
Project: 12574110 Robinson	Attention: EOG Amber Griffin
Project Manager: Nate Reece / JT Murrey	Address: 1045 4th St.
Address:6121 Indian School Rd. NE St. 200	City, State, Zip: Artesia, NM 88210
City, State, Zip: Albuquerque, NM 87110	Phone:
Phone:(281)386-7158	Email: amber_griffin@eogresources.com
Email: nate.reece@ghd.com	
Report due by:	

Lab Use Only		TAT				EPA Program	
Lab WO# E211041	Job Number 19034-0001	1D	2D	3D	Standard ✓	CWA	SDWA
							RCRA

State: NM ✓ | CO | UT | AZ | TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
1120	1104	S	1	BH3A	11	X	X			X			
1125				BH4A	12								
1130				BH5A	13								
1135				BH6A	14								
1140				BH8A	15								
1145				BH10A	16								
1250				BH11A	17								
1255				BH12A	18								
1300				BH13A	19								
1305				BH14A	20								

Additional Instructions: Please email results to: amber_griffin@eogresources.com; chase_settle@eogresources.com; jt.murrey@ghd.com; liam.giersdorf@ghd.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Liam Giersdorf

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11-07	0800		11-7-22	11:40
	11-7-22		Cathe Chatt	11/8/22	11:00

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Released to Imaging: 1/17/2023 10:41:10 AM
Received by OCD: 12/19/2022 1:41:21 PM

Project Information | Chain of Custody | Page 3 of 3

Client: GHD	**Bill To**
Project: 12574110 Robinson	Attention: EOG Amber Griffin
Project Manager: Nate Reece / JT Murrey	Address: 1045 4th St.
Address:6121 Indian School Rd. NE St. 200	City, State, Zip: Artesia, NM 88210
City, State, Zip: Albuquerque, NM 87110	Phone:
Phone:(281)386-7158	Email: amber_griffin@eogresources.com
Email: nate.reece@ghd.com	
Report due by:	

Lab Use Only

Lab WO# E211041 | Job Number 19034-0001

TAT: 1D | 2D | 3D | Standard ✓

EPA Program: CWA | SDWA | RCRA

State: NM ✓ | CO | UT | AZ | TX

Analysis and Method

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
1310	11/04	S	1	BH15A	21	X	X			X			
1315				BH19A	22								
1320				BH19A	23								
1325				BH21A	24								

Additional Instructions: Please email results to: amber_griffin@eogresources.com; chase_settle@eogresources.com; jt.murrey@ghd.com; liam.giersdorf@ghd.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11/07	0800		11-7-22	4:40
	11-7-22	4:40		11/8/22	11:00

Lab Use Only — Received on ice: (Y) N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Envirotech Analytical Laboratory

Printed: 11/8/2022 11:50:00AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	GHD	Date Received:	11/08/22 11:00	Work Order ID:	E211041
Phone:	(505) 884-0672	Date Logged In:	11/08/22 09:39	Logged In By:	Caitlin Christian
Email:	nate.reece@ghd.com	Due Date:	11/14/22 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: UPS
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	No	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: na

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

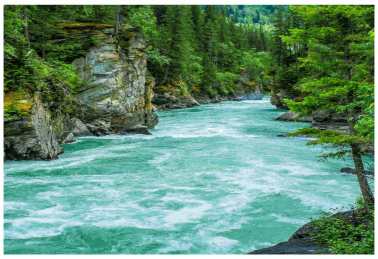
Date

envirotech Inc.

Report to:

Nate Reece









5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

GHD

Project Name:	12574110 Robinson B Fed #1
Work Order:	E211068
Job Number:	19034-0001
Received:	11/11/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/17/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 11/17/22

Nate Reece
6121 Indian School Rd. NE #200
Albuquerque, NM 87110

Project Name: 12574110 Robinson B Fed #1
Workorder: E211068
Date Received: 11/11/2022 10:45:00AM

Nate Reece,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/11/2022 10:45:00AM, under the Project Name: 12574110 Robinson B Fed #1.

The analytical test results summarized in this report with the Project Name: 12574110 Robinson B Fed #1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

GHD	Project Name:	12574110 Robinson B Fed #1	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/17/22 16:16

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH68	E211068-01A	Soil	11/09/22	11/11/22	Glass Jar, 2 oz.
BH69	E211068-02A	Soil	11/09/22	11/11/22	Glass Jar, 2 oz.
BH70	E211068-03A	Soil	11/09/22	11/11/22	Glass Jar, 2 oz.
BH71	E211068-04A	Soil	11/09/22	11/11/22	Glass Jar, 2 oz.
BH72	E211068-05A	Soil	11/09/22	11/11/22	Glass Jar, 2 oz.
BH73	E211068-06A	Soil	11/09/22	11/11/22	Glass Jar, 2 oz.
BH74	E211068-07A	Soil	11/09/22	11/11/22	Glass Jar, 2 oz.
BH75	E211068-08A	Soil	11/09/22	11/11/22	Glass Jar, 2 oz.
SW35	E211068-09A	Soil	11/09/22	11/11/22	Glass Jar, 2 oz.
SW36	E211068-10A	Soil	11/09/22	11/11/22	Glass Jar, 2 oz.
SW37	E211068-11A	Soil	11/09/22	11/11/22	Glass Jar, 2 oz.
SW38	E211068-12A	Soil	11/09/22	11/11/22	Glass Jar, 2 oz.
SW39	E211068-13A	Soil	11/09/22	11/11/22	Glass Jar, 2 oz.
SW40	E211068-14A	Soil	11/09/22	11/11/22	Glass Jar, 2 oz.
SW41	E211068-15A	Soil	11/09/22	11/11/22	Glass Jar, 2 oz.
SW42	E211068-16A	Soil	11/09/22	11/11/22	Glass Jar, 2 oz.
SW9A	E211068-17A	Soil	11/09/22	11/11/22	Glass Jar, 2 oz.
SW10A	E211068-18A	Soil	11/09/22	11/11/22	Glass Jar, 2 oz.
SW12A	E211068-19A	Soil	11/09/22	11/11/22	Glass Jar, 2 oz.
SW1A	E211068-20A	Soil	11/09/22	11/11/22	Glass Jar, 2 oz.

Sample Data

GHD	Project Name:	12574110 Robinson B Fed #1	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/17/2022 4:16:16PM

BH68

E211068-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2247001
Benzene	ND	0.0250	1	11/14/22	11/16/22	
Ethylbenzene	ND	0.0250	1	11/14/22	11/16/22	
Toluene	ND	0.0250	1	11/14/22	11/16/22	
o-Xylene	ND	0.0250	1	11/14/22	11/16/22	
p,m-Xylene	ND	0.0500	1	11/14/22	11/16/22	
Total Xylenes	ND	0.0250	1	11/14/22	11/16/22	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*11/14/22*	*11/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2247001
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/22	11/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.5 %*	*70-130*	*11/14/22*	*11/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2247019
Diesel Range Organics (C10-C28)	**2300**	500	20	11/15/22	11/16/22	
Oil Range Organics (C28-C36)	**1080**	1000	20	11/15/22	11/16/22	
Surrogate: n-Nonane		*125 %*	*50-200*	*11/15/22*	*11/16/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2246091
Chloride	**145**	20.0	1	11/11/22	11/17/22	

Sample Data

GHD	Project Name:	12574110 Robinson B Fed #1	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/17/2022 4:16:16PM

BH69

E211068-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2247001
Benzene	ND	0.0250	1	11/14/22	11/16/22	
Ethylbenzene	ND	0.0250	1	11/14/22	11/16/22	
Toluene	ND	0.0250	1	11/14/22	11/16/22	
o-Xylene	ND	0.0250	1	11/14/22	11/16/22	
p,m-Xylene	ND	0.0500	1	11/14/22	11/16/22	
Total Xylenes	ND	0.0250	1	11/14/22	11/16/22	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*11/14/22*	*11/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2247001
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/22	11/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.6 %*	*70-130*	*11/14/22*	*11/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2247019
Diesel Range Organics (C10-C28)	**851**	500	20	11/15/22	11/16/22	
Oil Range Organics (C28-C36)	ND	1000	20	11/15/22	11/16/22	
Surrogate: n-Nonane		*118 %*	*50-200*	*11/15/22*	*11/16/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2246091
Chloride	**67.5**	20.0	1	11/11/22	11/16/22	

Sample Data

GHD	Project Name:	12574110 Robinson B Fed #1	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/17/2022 4:16:16PM

BH70

E211068-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2247001
Benzene	ND	0.0250	1	11/14/22	11/16/22	
Ethylbenzene	ND	0.0250	1	11/14/22	11/16/22	
Toluene	ND	0.0250	1	11/14/22	11/16/22	
o-Xylene	ND	0.0250	1	11/14/22	11/16/22	
p,m-Xylene	ND	0.0500	1	11/14/22	11/16/22	
Total Xylenes	ND	0.0250	1	11/14/22	11/16/22	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*11/14/22*	*11/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2247001
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/22	11/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.9 %*	*70-130*	*11/14/22*	*11/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2247019
Diesel Range Organics (C10-C28)	**31.1**	25.0	1	11/15/22	11/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/22	11/16/22	
Surrogate: n-Nonane		*83.7 %*	*50-200*	*11/15/22*	*11/16/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2246091
Chloride	ND	20.0	1	11/11/22	11/17/22	

Sample Data

GHD	Project Name:	12574110 Robinson B Fed #1	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/17/2022 4:16:16PM

BH71

E211068-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2247001
Benzene	ND	0.0250	1	11/14/22	11/16/22	
Ethylbenzene	ND	0.0250	1	11/14/22	11/16/22	
Toluene	ND	0.0250	1	11/14/22	11/16/22	
o-Xylene	ND	0.0250	1	11/14/22	11/16/22	
p,m-Xylene	ND	0.0500	1	11/14/22	11/16/22	
Total Xylenes	ND	0.0250	1	11/14/22	11/16/22	
Surrogate: 4-Bromochlorobenzene-PID		*99.5 %*	*70-130*	*11/14/22*	*11/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2247001
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/22	11/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.6 %*	*70-130*	*11/14/22*	*11/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2247019
Diesel Range Organics (C10-C28)	**108**	25.0	1	11/15/22	11/17/22	
Oil Range Organics (C28-C36)	**142**	50.0	1	11/15/22	11/17/22	
Surrogate: n-Nonane		*105 %*	*50-200*	*11/15/22*	*11/17/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2246091
Chloride	**53.4**	20.0	1	11/11/22	11/17/22	

Sample Data

GHD	Project Name:	12574110 Robinson B Fed #1	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/17/2022 4:16:16PM

BH72

E211068-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2247001
Benzene	ND	0.0250	1	11/14/22	11/16/22	
Ethylbenzene	ND	0.0250	1	11/14/22	11/16/22	
Toluene	ND	0.0250	1	11/14/22	11/16/22	
o-Xylene	ND	0.0250	1	11/14/22	11/16/22	
p,m-Xylene	ND	0.0500	1	11/14/22	11/16/22	
Total Xylenes	ND	0.0250	1	11/14/22	11/16/22	
Surrogate: 4-Bromochlorobenzene-PID		*99.1 %*	*70-130*	*11/14/22*	*11/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2247001
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/22	11/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.7 %*	*70-130*	*11/14/22*	*11/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2247019
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/22	11/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/22	11/16/22	
Surrogate: n-Nonane		*86.7 %*	*50-200*	*11/15/22*	*11/16/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2246091
Chloride	ND	20.0	1	11/11/22	11/17/22	

Sample Data

GHD	Project Name:	12574110 Robinson B Fed #1	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/17/2022 4:16:16PM

BH73

E211068-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2247001
Benzene	ND	0.0250	1	11/14/22	11/16/22	
Ethylbenzene	ND	0.0250	1	11/14/22	11/16/22	
Toluene	ND	0.0250	1	11/14/22	11/16/22	
o-Xylene	ND	0.0250	1	11/14/22	11/16/22	
p,m-Xylene	ND	0.0500	1	11/14/22	11/16/22	
Total Xylenes	ND	0.0250	1	11/14/22	11/16/22	
Surrogate: 4-Bromochlorobenzene-PID		*98.9 %*	*70-130*	*11/14/22*	*11/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2247001
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/22	11/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.8 %*	*70-130*	*11/14/22*	*11/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2247019
Diesel Range Organics (C10-C28)	**1180**	250	10	11/15/22	11/16/22	
Oil Range Organics (C28-C36)	**863**	500	10	11/15/22	11/16/22	
Surrogate: n-Nonane		*96.5 %*	*50-200*	*11/15/22*	*11/16/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2246091
Chloride	ND	20.0	1	11/11/22	11/17/22	

Sample Data

GHD	Project Name:	12574110 Robinson B Fed #1	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/17/2022 4:16:16PM

BH74

E211068-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2247001
Benzene	ND	0.0250	1	11/14/22	11/16/22	
Ethylbenzene	ND	0.0250	1	11/14/22	11/16/22	
Toluene	ND	0.0250	1	11/14/22	11/16/22	
o-Xylene	ND	0.0250	1	11/14/22	11/16/22	
p,m-Xylene	ND	0.0500	1	11/14/22	11/16/22	
Total Xylenes	ND	0.0250	1	11/14/22	11/16/22	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*11/14/22*	*11/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2247001
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/22	11/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.3 %*	*70-130*	*11/14/22*	*11/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2247019
Diesel Range Organics (C10-C28)	**1420**	250	10	11/15/22	11/17/22	
Oil Range Organics (C28-C36)	**832**	500	10	11/15/22	11/17/22	
Surrogate: n-Nonane		*105 %*	*50-200*	*11/15/22*	*11/17/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2246091
Chloride	**35.5**	20.0	1	11/11/22	11/17/22	

Sample Data

GHD	Project Name:	12574110 Robinson B Fed #1	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/17/2022 4:16:16PM

BH75

E211068-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2247001
Benzene	ND	0.0250	1	11/14/22	11/17/22	
Ethylbenzene	ND	0.0250	1	11/14/22	11/17/22	
Toluene	ND	0.0250	1	11/14/22	11/17/22	
o-Xylene	ND	0.0250	1	11/14/22	11/17/22	
p,m-Xylene	ND	0.0500	1	11/14/22	11/17/22	
Total Xylenes	ND	0.0250	1	11/14/22	11/17/22	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*11/14/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2247001
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/22	11/17/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.0 %*	*70-130*	*11/14/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2247019
Diesel Range Organics (C10-C28)	**136**	25.0	1	11/15/22	11/17/22	
Oil Range Organics (C28-C36)	**163**	50.0	1	11/15/22	11/17/22	
Surrogate: n-Nonane		*117 %*	*50-200*	*11/15/22*	*11/17/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2246091
Chloride	ND	20.0	1	11/11/22	11/17/22	

Sample Data

GHD	Project Name:	12574110 Robinson B Fed #1	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/17/2022 4:16:16PM

SW35

E211068-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2247001
Benzene	ND	0.0250	1	11/14/22	11/16/22	
Ethylbenzene	ND	0.0250	1	11/14/22	11/16/22	
Toluene	ND	0.0250	1	11/14/22	11/16/22	
o-Xylene	ND	0.0250	1	11/14/22	11/16/22	
p,m-Xylene	ND	0.0500	1	11/14/22	11/16/22	
Total Xylenes	ND	0.0250	1	11/14/22	11/16/22	
Surrogate: 4-Bromochlorobenzene-PID		*98.1 %*	*70-130*	*11/14/22*	*11/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2247001
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/22	11/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.1 %*	*70-130*	*11/14/22*	*11/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2247019
Diesel Range Organics (C10-C28)	**49.8**	25.0	1	11/15/22	11/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/22	11/17/22	
Surrogate: n-Nonane		*94.4 %*	*50-200*	*11/15/22*	*11/17/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2246091
Chloride	**97.3**	20.0	1	11/11/22	11/17/22	

Sample Data

GHD	Project Name:	12574110 Robinson B Fed #1	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/17/2022 4:16:16PM

SW36

E211068-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2247001
Benzene	ND	0.0250	1	11/14/22	11/16/22	
Ethylbenzene	ND	0.0250	1	11/14/22	11/16/22	
Toluene	ND	0.0250	1	11/14/22	11/16/22	
o-Xylene	ND	0.0250	1	11/14/22	11/16/22	
p,m-Xylene	ND	0.0500	1	11/14/22	11/16/22	
Total Xylenes	ND	0.0250	1	11/14/22	11/16/22	
Surrogate: 4-Bromochlorobenzene-PID		*97.0 %*	*70-130*	*11/14/22*	*11/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2247001
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/22	11/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.6 %*	*70-130*	*11/14/22*	*11/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2247019
Diesel Range Organics (C10-C28)	**81.7**	25.0	1	11/15/22	11/17/22	
Oil Range Organics (C28-C36)	**131**	50.0	1	11/15/22	11/17/22	
Surrogate: n-Nonane		*90.8 %*	*50-200*	*11/15/22*	*11/17/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2246091
Chloride	ND	20.0	1	11/11/22	11/17/22	

Sample Data

GHD	Project Name:	12574110 Robinson B Fed #1	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/17/2022 4:16:16PM

SW37

E211068-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2247001
Benzene	ND	0.0250	1	11/14/22	11/16/22	
Ethylbenzene	ND	0.0250	1	11/14/22	11/16/22	
Toluene	ND	0.0250	1	11/14/22	11/16/22	
o-Xylene	ND	0.0250	1	11/14/22	11/16/22	
p,m-Xylene	ND	0.0500	1	11/14/22	11/16/22	
Total Xylenes	ND	0.0250	1	11/14/22	11/16/22	
Surrogate: 4-Bromochlorobenzene-PID		*96.8 %*	*70-130*	*11/14/22*	*11/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2247001
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/22	11/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.0 %*	*70-130*	*11/14/22*	*11/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2247019
Diesel Range Organics (C10-C28)	**448**	250	10	11/15/22	11/17/22	
Oil Range Organics (C28-C36)	**536**	500	10	11/15/22	11/17/22	
Surrogate: n-Nonane		*111 %*	*50-200*	*11/15/22*	*11/17/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2246091
Chloride	ND	20.0	1	11/11/22	11/17/22	

Sample Data

GHD	Project Name:	12574110 Robinson B Fed #1	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/17/2022 4:16:16PM

SW38

E211068-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2247001
Benzene	ND	0.0250	1	11/14/22	11/16/22	
Ethylbenzene	ND	0.0250	1	11/14/22	11/16/22	
Toluene	ND	0.0250	1	11/14/22	11/16/22	
o-Xylene	ND	0.0250	1	11/14/22	11/16/22	
p,m-Xylene	ND	0.0500	1	11/14/22	11/16/22	
Total Xylenes	ND	0.0250	1	11/14/22	11/16/22	
Surrogate: 4-Bromochlorobenzene-PID		*97.0 %*	*70-130*	*11/14/22*	*11/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2247001
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/22	11/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.4 %*	*70-130*	*11/14/22*	*11/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2247019
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/22	11/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/22	11/17/22	
Surrogate: n-Nonane		*93.9 %*	*50-200*	*11/15/22*	*11/17/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2246091
Chloride	ND	20.0	1	11/11/22	11/17/22	

Sample Data

GHD	Project Name:	12574110 Robinson B Fed #1	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/17/2022 4:16:16PM

SW39

E211068-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2247001
Benzene	ND	0.0250	1	11/14/22	11/16/22	
Ethylbenzene	ND	0.0250	1	11/14/22	11/16/22	
Toluene	ND	0.0250	1	11/14/22	11/16/22	
o-Xylene	ND	0.0250	1	11/14/22	11/16/22	
p,m-Xylene	ND	0.0500	1	11/14/22	11/16/22	
Total Xylenes	ND	0.0250	1	11/14/22	11/16/22	
Surrogate: 4-Bromochlorobenzene-PID		*99.3 %*	*70-130*	*11/14/22*	*11/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2247001
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/22	11/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.1 %*	*70-130*	*11/14/22*	*11/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2247019
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/22	11/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/22	11/17/22	
Surrogate: n-Nonane		*95.2 %*	*50-200*	*11/15/22*	*11/17/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2246091
Chloride	ND	20.0	1	11/11/22	11/17/22	

Sample Data

GHD	Project Name:	12574110 Robinson B Fed #1	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/17/2022 4:16:16PM

SW40

E211068-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2247001
Benzene	ND	0.0250	1	11/14/22	11/16/22	
Ethylbenzene	ND	0.0250	1	11/14/22	11/16/22	
Toluene	ND	0.0250	1	11/14/22	11/16/22	
o-Xylene	ND	0.0250	1	11/14/22	11/16/22	
p,m-Xylene	ND	0.0500	1	11/14/22	11/16/22	
Total Xylenes	ND	0.0250	1	11/14/22	11/16/22	
Surrogate: 4-Bromochlorobenzene-PID		*95.3 %*	*70-130*	*11/14/22*	*11/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2247001
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/22	11/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.9 %*	*70-130*	*11/14/22*	*11/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2247019
Diesel Range Organics (C10-C28)	**3840**	2500	100	11/15/22	11/17/22	
Oil Range Organics (C28-C36)	ND	5000	100	11/15/22	11/17/22	
Surrogate: n-Nonane		*%*	*50-200*	*11/15/22*	*11/17/22*	*S6*
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2246091
Chloride	**36.9**	20.0	1	11/11/22	11/17/22	

Sample Data

GHD	Project Name:	12574110 Robinson B Fed #1	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/17/2022 4:16:16PM

SW41

E211068-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2247001
Benzene	ND	0.0250	1	11/14/22	11/17/22	
Ethylbenzene	ND	0.0250	1	11/14/22	11/17/22	
Toluene	ND	0.0250	1	11/14/22	11/17/22	
o-Xylene	ND	0.0250	1	11/14/22	11/17/22	
p,m-Xylene	ND	0.0500	1	11/14/22	11/17/22	
Total Xylenes	ND	0.0250	1	11/14/22	11/17/22	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*11/14/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2247001
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/22	11/17/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.1 %*	*70-130*	*11/14/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2247019
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/22	11/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/22	11/17/22	
Surrogate: n-Nonane		*80.7 %*	*50-200*	*11/15/22*	*11/17/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2246091
Chloride	**54.7**	20.0	1	11/11/22	11/17/22	

Sample Data

GHD	Project Name:	12574110 Robinson B Fed #1	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/17/2022 4:16:16PM

SW42

E211068-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2247001
Benzene	ND	0.0250	1	11/14/22	11/17/22	
Ethylbenzene	ND	0.0250	1	11/14/22	11/17/22	
Toluene	ND	0.0250	1	11/14/22	11/17/22	
o-Xylene	ND	0.0250	1	11/14/22	11/17/22	
p,m-Xylene	ND	0.0500	1	11/14/22	11/17/22	
Total Xylenes	ND	0.0250	1	11/14/22	11/17/22	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*11/14/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2247001
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/22	11/17/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.3 %*	*70-130*	*11/14/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2247019
Diesel Range Organics (C10-C28)	**596**	500	20	11/15/22	11/17/22	
Oil Range Organics (C28-C36)	ND	1000	20	11/15/22	11/17/22	
Surrogate: n-Nonane		*141 %*	*50-200*	*11/15/22*	*11/17/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2246091
Chloride	ND	20.0	1	11/11/22	11/17/22	

Sample Data

GHD	Project Name:	12574110 Robinson B Fed #1	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/17/2022 4:16:16PM

SW9A

E211068-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2247001
Benzene	**0.234**	0.0250	1	11/14/22	11/16/22	
Ethylbenzene	**15.4**	0.0250	1	11/14/22	11/16/22	
Toluene	**5.15**	0.0250	1	11/14/22	11/16/22	
o-Xylene	**6.37**	0.0250	1	11/14/22	11/16/22	
p,m-Xylene	**12.7**	0.0500	1	11/14/22	11/16/22	
Total Xylenes	**19.1**	0.0250	1	11/14/22	11/16/22	
Surrogate: 4-Bromochlorobenzene-PID		*122 %*	*70-130*	*11/14/22*	*11/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2247001
Gasoline Range Organics (C6-C10)	**198**	20.0	1	11/14/22	11/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*111 %*	*70-130*	*11/14/22*	*11/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2247019
Diesel Range Organics (C10-C28)	**9430**	2500	100	11/15/22	11/17/22	
Oil Range Organics (C28-C36)	ND	5000	100	11/15/22	11/17/22	
Surrogate: n-Nonane		*134 %*	*50-200*	*11/15/22*	*11/17/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2246091
Chloride	**260**	20.0	1	11/11/22	11/17/22	

Sample Data

GHD	Project Name:	12574110 Robinson B Fed #1	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/17/2022 4:16:16PM

SW10A

E211068-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2247001
Benzene	**0.172**	0.0500	2	11/14/22	11/17/22	
Ethylbenzene	**5.59**	0.0500	2	11/14/22	11/17/22	
Toluene	**1.52**	0.0500	2	11/14/22	11/17/22	
o-Xylene	**1.57**	0.0500	2	11/14/22	11/17/22	
p,m-Xylene	**3.93**	0.100	2	11/14/22	11/17/22	
Total Xylenes	**5.50**	0.0500	2	11/14/22	11/17/22	
Surrogate: 4-Bromochlorobenzene-PID		*110 %*	*70-130*	*11/14/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2247001
Gasoline Range Organics (C6-C10)	**72.9**	40.0	2	11/14/22	11/17/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.4 %*	*70-130*	*11/14/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2247019
Diesel Range Organics (C10-C28)	**2390**	500	20	11/15/22	11/17/22	
Oil Range Organics (C28-C36)	ND	1000	20	11/15/22	11/17/22	
Surrogate: n-Nonane		*132 %*	*50-200*	*11/15/22*	*11/17/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2246091
Chloride	**435**	20.0	1	11/11/22	11/17/22	

Sample Data

GHD	Project Name:	12574110 Robinson B Fed #1	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/17/2022 4:16:16PM

SW12A

E211068-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2247001
Benzene	**0.251**	0.0500	2	11/14/22	11/17/22	
Ethylbenzene	**6.44**	0.0500	2	11/14/22	11/17/22	
Toluene	**0.211**	0.0500	2	11/14/22	11/17/22	
o-Xylene	**0.174**	0.0500	2	11/14/22	11/17/22	
p,m-Xylene	**3.10**	0.100	2	11/14/22	11/17/22	
Total Xylenes	**3.28**	0.0500	2	11/14/22	11/17/22	
Surrogate: 4-Bromochlorobenzene-PID		*112 %*	*70-130*	*11/14/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2247001
Gasoline Range Organics (C6-C10)	**76.7**	40.0	2	11/14/22	11/17/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.1 %*	*70-130*	*11/14/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2247019
Diesel Range Organics (C10-C28)	**2330**	500	20	11/15/22	11/17/22	
Oil Range Organics (C28-C36)	ND	1000	20	11/15/22	11/17/22	
Surrogate: n-Nonane		*123 %*	*50-200*	*11/15/22*	*11/17/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2246091
Chloride	**406**	20.0	1	11/11/22	11/17/22	

Sample Data

GHD	Project Name:	12574110 Robinson B Fed #1	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/17/2022 4:16:16PM

SW1A

E211068-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2247001
Benzene	ND	0.0250	1	11/14/22	11/16/22	
Ethylbenzene	ND	0.0250	1	11/14/22	11/16/22	
Toluene	ND	0.0250	1	11/14/22	11/16/22	
o-Xylene	ND	0.0250	1	11/14/22	11/16/22	
p,m-Xylene	ND	0.0500	1	11/14/22	11/16/22	
Total Xylenes	ND	0.0250	1	11/14/22	11/16/22	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*11/14/22*	*11/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2247001
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/22	11/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.9 %*	*70-130*	*11/14/22*	*11/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2247019
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/22	11/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/22	11/17/22	
Surrogate: n-Nonane		*105 %*	*50-200*	*11/15/22*	*11/17/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2246091
Chloride	**346**	20.0	1	11/11/22	11/17/22	

QC Summary Data

GHD	Project Name:	12574110 Robinson B Fed #1	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/17/2022 4:16:16PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2247001-BLK1)									Prepared: 11/14/22 Analyzed: 11/15/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*8.06*		*8.00*		*101*	*70-130*			
LCS (2247001-BS1)									Prepared: 11/14/22 Analyzed: 11/15/22
Benzene	4.88	0.0250	5.00		97.5	70-130			
Ethylbenzene	5.22	0.0250	5.00		104	70-130			
Toluene	5.25	0.0250	5.00		105	70-130			
o-Xylene	5.38	0.0250	5.00		108	70-130			
p,m-Xylene	10.6	0.0500	10.0		106	70-130			
Total Xylenes	16.0	0.0250	15.0		106	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.07*		*8.00*		*101*	*70-130*			
Matrix Spike (2247001-MS1)				**Source: E211068-02**					Prepared: 11/14/22 Analyzed: 11/16/22
Benzene	5.20	0.0250	5.00	ND	104	54-133			
Ethylbenzene	5.55	0.0250	5.00	ND	111	61-133			
Toluene	5.57	0.0250	5.00	ND	111	61-130			
o-Xylene	5.69	0.0250	5.00	ND	114	63-131			
p,m-Xylene	11.2	0.0500	10.0	ND	112	63-131			
Total Xylenes	16.9	0.0250	15.0	ND	113	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*8.13*		*8.00*		*102*	*70-130*			
Matrix Spike Dup (2247001-MSD1)				**Source: E211068-02**					Prepared: 11/14/22 Analyzed: 11/16/22
Benzene	4.50	0.0250	5.00	ND	90.0	54-133	14.4	20	
Ethylbenzene	4.79	0.0250	5.00	ND	95.7	61-133	14.8	20	
Toluene	4.82	0.0250	5.00	ND	96.3	61-130	14.6	20	
o-Xylene	4.92	0.0250	5.00	ND	98.3	63-131	14.6	20	
p,m-Xylene	9.70	0.0500	10.0	ND	97.0	63-131	14.6	20	
Total Xylenes	14.6	0.0250	15.0	ND	97.5	63-131	14.6	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.13*		*8.00*		*102*	*70-130*			

QC Summary Data

GHD	Project Name:	12574110 Robinson B Fed #1	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/17/2022 4:16:16PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2247001-BLK1)									Prepared: 11/14/22 Analyzed: 11/15/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.85*		*8.00*		*98.2*	*70-130*			
LCS (2247001-BS2)									Prepared: 11/14/22 Analyzed: 11/17/22
Gasoline Range Organics (C6-C10)	49.4	20.0	50.0		98.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.85*		*8.00*		*98.1*	*70-130*			
Matrix Spike (2247001-MS2)				**Source: E211068-02**					Prepared: 11/14/22 Analyzed: 11/16/22
Gasoline Range Organics (C6-C10)	46.2	20.0	50.0	ND	92.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.63*		*8.00*		*95.4*	*70-130*			
Matrix Spike Dup (2247001-MSD2)				**Source: E211068-02**					Prepared: 11/14/22 Analyzed: 11/16/22
Gasoline Range Organics (C6-C10)	45.1	20.0	50.0	ND	90.2	70-130	2.52	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.84*		*8.00*		*98.1*	*70-130*			

QC Summary Data

GHD	Project Name:	12574110 Robinson B Fed #1	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/17/2022 4:16:16PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2247019-BLK1)									Prepared: 11/15/22 Analyzed: 11/16/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*54.1*		*50.0*		*108*	*50-200*			
LCS (2247019-BS1)									Prepared: 11/15/22 Analyzed: 11/16/22
Diesel Range Organics (C10-C28)	523	25.0	500		105	38-132			
Surrogate: n-Nonane	*50.1*		*50.0*		*100*	*50-200*			
Matrix Spike (2247019-MS1)				**Source: E211068-16**					Prepared: 11/15/22 Analyzed: 11/16/22
Diesel Range Organics (C10-C28)	1060	500	500	596	91.9	38-132			
Surrogate: n-Nonane	*56.2*		*50.0*		*112*	*50-200*			
Matrix Spike Dup (2247019-MSD1)				**Source: E211068-16**					Prepared: 11/15/22 Analyzed: 11/16/22
Diesel Range Organics (C10-C28)	1100	500	500	596	100	38-132	3.82	20	
Surrogate: n-Nonane	*56.2*		*50.0*		*112*	*50-200*			

QC Summary Data

GHD	Project Name:	12574110 Robinson B Fed #1	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/17/2022 4:16:16PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2246091-BLK1)									Prepared: 11/11/22 Analyzed: 11/16/22
Chloride	ND	20.0							
LCS (2246091-BS1)									Prepared: 11/11/22 Analyzed: 11/16/22
Chloride	274	20.0	250		109	90-110			
Matrix Spike (2246091-MS1)				**Source: E211068-02**					Prepared: 11/11/22 Analyzed: 11/16/22
Chloride	329	20.0	250	67.5	104	80-120			
Matrix Spike Dup (2246091-MSD1)				**Source: E211068-02**					Prepared: 11/11/22 Analyzed: 11/16/22
Chloride	344	20.0	250	67.5	110	80-120	4.46	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

GHD	Project Name:	12574110 Robinson B Fed #1	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/17/22 16:16

S6	Surrogate was diluted out due to high concentrations of target and/or non-target analytes and does not provide useful information. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 1/17/2023 10:41:10 AM
Received by OCD: 12/19/2022 1:41:21 PM

Project Information | Chain of Custody | Page 1 of 4

Client: GHD	**Bill To**
Project: 12574100 Robinson B Fed 1	Attention: EOG Amber Griffin
Project Manager: Nate Reece / JT Murrey	Address: 1045 4th St.
Address:6121 Indian School Rd. NE St. 200	City, State, Zip: Artesia, NM 88210
City, State, Zip: Albuquerque, NM 87110	Phone:
Phone:(281)386-7158	Email: amber_griffin@eogresources.com
Email: nate.reece@ghd.com	
Report due by:	

Lab Use Only		TAT				EPA Program	
Lab WO# E211068	Job Number 19034-0001	1D	2D	3D	Standard	CWA	SDWA
							RCRA
						State	
						NM CO	UT AZ TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
1100	11/09	Soil	1	BH68	1	X	X			X			
1105				BH69	2								
1110				BH70	3								
1115				BH71	4								
1120				BH72	5								
1125				BH73	6								
1130				BH74	7								
1135				BH75	8								
1140				SW35	9								
1145				SW36	10								

Additional Instructions: Please email results to: amber_griffin@eogresources.com; chase_settle@eogresources.com; jt.murrey@ghd.com; liam.giersdorf@ghd.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Liam Giersdorf

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Liam Giersdorf	11-10-22	0800		11-10-22	1:00
	11-10-22	4:15	Caitlin Christian	11/11/22	10:45

Lab Use Only
Received on ice: (Y) N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Page 45 of 705

Released to Imaging: 1/17/2023 10:41:10 AM
Received by OCD: 12/19/2022 1:41:21 PM

Project Information | Chain of Custody | Page 2 of 4

Client: GHD	**Bill To**
Project: 25741.10 Robinson BFed#1	Attention: EOG Amber Griffin
Project Manager: Nate Reece / JT Murrey	Address: 1045 4th St.
Address:6121 Indian School Rd. NE St. 200	City, State, Zip: Artesia, NM 88210
City, State, Zip: Albuquerque, NM 87110	Phone:
Phone:(281)386-7158	Email: amber_griffin@eogresources.com
Email: nate.reece@ghd.com	
Report due by:	

Lab Use Only

Lab WO#	Job Number
E211068	19034-0001

TAT

1D	2D	3D	Standard
			✓

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX	
✓					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
1150	11/09	S	1	SW37	11	X	X			X			
1155				SW38	12								
1200				SW39	13								
1205				SW40	14								
1210				SW41	15								
1215				SW42	16								
1315				SW9A	17								
1320				SW10A	18								
1325				SW12A	19								
1330	↓	↓	↓	SW13A	20	↓	↓			↓			

Additional Instructions: Please email results to: amber_griffin@eogresources.com; chase_settle@eogresources.com; jt.murrey@ghd.com; liam.giersdorf@ghd.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Liam Giersdorf

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Liam Giersdorf	1110	0800		11-10-22	3:00
	11-10-22	2:15		11/11/22	10:45

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Envirotech Analytical Laboratory

Printed: 11/11/2022 2:14:23PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	GHD	Date Received:	11/11/22 10:45	Work Order ID:	E211068
Phone:	(505) 884-0672	Date Logged In:	11/11/22 11:15	Logged In By:	Caitlin Christian
Email:	nate.reece@ghd.com	Due Date:	11/17/22 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes
2. Does the number of samples per sampling site location match the COC	Yes
3. Were samples dropped off by client or carrier?	Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes

Carrier: UPS

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filteration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No
29. Was a subcontract laboratory specified by the client and if so who?	NA

Subcontract Lab: na

Comments/Resolution

Project has been separated into 2 reports due to sample volume. Workorders are as follows: E211068 & E211069.

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

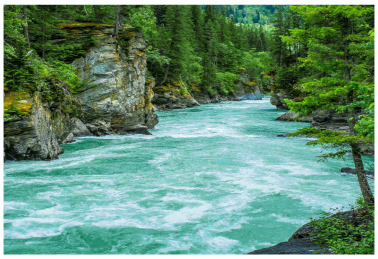
Date

envirotech Inc.

Report to:

Nate Reece









5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

GHD

Project Name:	12574110 Robinson B Fed #1
Work Order:	E211069
Job Number:	19034-0001
Received:	11/11/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/17/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 11/17/22

Nate Reece
6121 Indian School Rd. NE #200
Albuquerque, NM 87110

Project Name: 12574110 Robinson B Fed #1
Workorder: E211069
Date Received: 11/11/2022 10:45:00AM

Nate Reece,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/11/2022 10:45:00AM, under the Project Name: 12574110 Robinson B Fed #1.

The analytical test results summarized in this report with the Project Name: 12574110 Robinson B Fed #1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

GHD	Project Name:	12574110 Robinson B Fed #1	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/17/22 16:02

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW14A	E211069-01A	Soil	11/09/22	11/11/22	Glass Jar, 2 oz.
SW15A	E211069-02A	Soil	11/09/22	11/11/22	Glass Jar, 2 oz.
SW3A	E211069-03A	Soil	11/09/22	11/11/22	Glass Jar, 2 oz.
SW2A	E211069-04A	Soil	11/09/22	11/11/22	Glass Jar, 2 oz.
SW16A	E211069-05A	Soil	11/09/22	11/11/22	Glass Jar, 2 oz.
SW17A	E211069-06A	Soil	11/09/22	11/11/22	Glass Jar, 2 oz.
SW18A	E211069-07A	Soil	11/09/22	11/11/22	Glass Jar, 2 oz.
SW4A	E211069-08A	Soil	11/09/22	11/11/22	Glass Jar, 2 oz.
SW43	E211069-09A	Soil	11/09/22	11/11/22	Glass Jar, 2 oz.
SW44	E211069-10A	Soil	11/09/22	11/11/22	Glass Jar, 2 oz.
BH76	E211069-11A	Soil	11/09/22	11/11/22	Glass Jar, 2 oz.

Sample Data

GHD	Project Name:	12574110 Robinson B Fed #1	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/17/2022 4:02:13PM

SW14A

E211069-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2247002
Benzene	ND	0.0250	1	11/14/22	11/15/22	
Ethylbenzene	**0.167**	0.0250	1	11/14/22	11/15/22	
Toluene	ND	0.0250	1	11/14/22	11/15/22	
o-Xylene	ND	0.0250	1	11/14/22	11/15/22	
p,m-Xylene	ND	0.0500	1	11/14/22	11/15/22	
Total Xylenes	ND	0.0250	1	11/14/22	11/15/22	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*11/14/22*	*11/15/22*	
Surrogate: 1,2-Dichloroethane-d4		*96.8 %*	*70-130*	*11/14/22*	*11/15/22*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*11/14/22*	*11/15/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2247002
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/22	11/15/22	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*11/14/22*	*11/15/22*	
Surrogate: 1,2-Dichloroethane-d4		*96.8 %*	*70-130*	*11/14/22*	*11/15/22*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*11/14/22*	*11/15/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2247020
Diesel Range Organics (C10-C28)	**244**	25.0	1	11/14/22	11/16/22	
Oil Range Organics (C28-C36)	**98.7**	50.0	1	11/14/22	11/16/22	
Surrogate: n-Nonane		*76.5 %*	*50-200*	*11/14/22*	*11/16/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2246092
Chloride	**528**	20.0	1	11/11/22	11/16/22	

Sample Data

GHD	Project Name:	12574110 Robinson B Fed #1	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/17/2022 4:02:13PM

SW15A

E211069-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2247002
Benzene	ND	0.0250	1	11/14/22	11/15/22	
Ethylbenzene	**0.0775**	0.0250	1	11/14/22	11/15/22	
Toluene	ND	0.0250	1	11/14/22	11/15/22	
o-Xylene	ND	0.0250	1	11/14/22	11/15/22	
p,m-Xylene	ND	0.0500	1	11/14/22	11/15/22	
Total Xylenes	ND	0.0250	1	11/14/22	11/15/22	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*11/14/22*	*11/15/22*	
Surrogate: 1,2-Dichloroethane-d4		*98.4 %*	*70-130*	*11/14/22*	*11/15/22*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*11/14/22*	*11/15/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2247002
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/22	11/15/22	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*11/14/22*	*11/15/22*	
Surrogate: 1,2-Dichloroethane-d4		*98.4 %*	*70-130*	*11/14/22*	*11/15/22*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*11/14/22*	*11/15/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2247020
Diesel Range Organics (C10-C28)	**40.2**	25.0	1	11/14/22	11/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/14/22	11/16/22	
Surrogate: n-Nonane		*95.0 %*	*50-200*	*11/14/22*	*11/16/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2246092
Chloride	**754**	20.0	1	11/11/22	11/16/22	

Sample Data

GHD	Project Name:	12574110 Robinson B Fed #1	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/17/2022 4:02:13PM

SW3A

E211069-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2247002
Benzene	ND	0.0250	1	11/14/22	11/15/22	
Ethylbenzene	ND	0.0250	1	11/14/22	11/15/22	
Toluene	ND	0.0250	1	11/14/22	11/15/22	
o-Xylene	ND	0.0250	1	11/14/22	11/15/22	
p,m-Xylene	ND	0.0500	1	11/14/22	11/15/22	
Total Xylenes	ND	0.0250	1	11/14/22	11/15/22	
Surrogate: Bromofluorobenzene		*98.8 %*	*70-130*	*11/14/22*	*11/15/22*	
Surrogate: 1,2-Dichloroethane-d4		*94.7 %*	*70-130*	*11/14/22*	*11/15/22*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*11/14/22*	*11/15/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2247002
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/22	11/15/22	
Surrogate: Bromofluorobenzene		*98.8 %*	*70-130*	*11/14/22*	*11/15/22*	
Surrogate: 1,2-Dichloroethane-d4		*94.7 %*	*70-130*	*11/14/22*	*11/15/22*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*11/14/22*	*11/15/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2247020
Diesel Range Organics (C10-C28)	ND	25.0	1	11/14/22	11/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/14/22	11/16/22	
Surrogate: n-Nonane		*104 %*	*50-200*	*11/14/22*	*11/16/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2246092
Chloride	**1070**	20.0	1	11/11/22	11/16/22	

Sample Data

GHD	Project Name:	12574110 Robinson B Fed #1	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/17/2022 4:02:13PM

SW2A

E211069-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2247002
Benzene	ND	0.0250	1	11/14/22	11/15/22	
Ethylbenzene	ND	0.0250	1	11/14/22	11/15/22	
Toluene	ND	0.0250	1	11/14/22	11/15/22	
o-Xylene	ND	0.0250	1	11/14/22	11/15/22	
p,m-Xylene	ND	0.0500	1	11/14/22	11/15/22	
Total Xylenes	ND	0.0250	1	11/14/22	11/15/22	
Surrogate: Bromofluorobenzene		*98.6 %*	*70-130*	*11/14/22*	*11/15/22*	
Surrogate: 1,2-Dichloroethane-d4		*96.0 %*	*70-130*	*11/14/22*	*11/15/22*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*11/14/22*	*11/15/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2247002
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/22	11/15/22	
Surrogate: Bromofluorobenzene		*98.6 %*	*70-130*	*11/14/22*	*11/15/22*	
Surrogate: 1,2-Dichloroethane-d4		*96.0 %*	*70-130*	*11/14/22*	*11/15/22*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*11/14/22*	*11/15/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2247020
Diesel Range Organics (C10-C28)	ND	25.0	1	11/14/22	11/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/14/22	11/16/22	
Surrogate: n-Nonane		*55.3 %*	*50-200*	*11/14/22*	*11/16/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2246092
Chloride	**1230**	20.0	1	11/11/22	11/16/22	

Sample Data

GHD	Project Name:	12574110 Robinson B Fed #1	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/17/2022 4:02:13PM

SW16A

E211069-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2247002
Benzene	ND	0.0250	1	11/14/22	11/15/22	
Ethylbenzene	ND	0.0250	1	11/14/22	11/15/22	
Toluene	ND	0.0250	1	11/14/22	11/15/22	
o-Xylene	ND	0.0250	1	11/14/22	11/15/22	
p,m-Xylene	ND	0.0500	1	11/14/22	11/15/22	
Total Xylenes	ND	0.0250	1	11/14/22	11/15/22	
Surrogate: Bromofluorobenzene		*99.0 %*	*70-130*	*11/14/22*	*11/15/22*	
Surrogate: 1,2-Dichloroethane-d4		*95.7 %*	*70-130*	*11/14/22*	*11/15/22*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*11/14/22*	*11/15/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2247002
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/22	11/15/22	
Surrogate: Bromofluorobenzene		*99.0 %*	*70-130*	*11/14/22*	*11/15/22*	
Surrogate: 1,2-Dichloroethane-d4		*95.7 %*	*70-130*	*11/14/22*	*11/15/22*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*11/14/22*	*11/15/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2247020
Diesel Range Organics (C10-C28)	ND	25.0	1	11/14/22	11/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/14/22	11/16/22	
Surrogate: n-Nonane		*103 %*	*50-200*	*11/14/22*	*11/16/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2246092
Chloride	**1710**	20.0	1	11/11/22	11/16/22	

Sample Data

GHD	Project Name:	12574110 Robinson B Fed #1	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/17/2022 4:02:13PM

SW17A

E211069-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2247002
Benzene	ND	0.0250	1	11/14/22	11/15/22	
Ethylbenzene	ND	0.0250	1	11/14/22	11/15/22	
Toluene	ND	0.0250	1	11/14/22	11/15/22	
o-Xylene	ND	0.0250	1	11/14/22	11/15/22	
p,m-Xylene	ND	0.0500	1	11/14/22	11/15/22	
Total Xylenes	ND	0.0250	1	11/14/22	11/15/22	
Surrogate: Bromofluorobenzene		*98.9 %*	*70-130*	*11/14/22*	*11/15/22*	
Surrogate: 1,2-Dichloroethane-d4		*95.1 %*	*70-130*	*11/14/22*	*11/15/22*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*11/14/22*	*11/15/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2247002
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/22	11/15/22	
Surrogate: Bromofluorobenzene		*98.9 %*	*70-130*	*11/14/22*	*11/15/22*	
Surrogate: 1,2-Dichloroethane-d4		*95.1 %*	*70-130*	*11/14/22*	*11/15/22*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*11/14/22*	*11/15/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2247020
Diesel Range Organics (C10-C28)	ND	25.0	1	11/14/22	11/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/14/22	11/17/22	
Surrogate: n-Nonane		*99.1 %*	*50-200*	*11/14/22*	*11/17/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2246092
Chloride	**1420**	20.0	1	11/11/22	11/16/22	

Sample Data

GHD	Project Name:	12574110 Robinson B Fed #1	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/17/2022 4:02:13PM

SW18A

E211069-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2247002
Benzene	ND	0.0250	1	11/14/22	11/15/22	
Ethylbenzene	ND	0.0250	1	11/14/22	11/15/22	
Toluene	ND	0.0250	1	11/14/22	11/15/22	
o-Xylene	ND	0.0250	1	11/14/22	11/15/22	
p,m-Xylene	ND	0.0500	1	11/14/22	11/15/22	
Total Xylenes	ND	0.0250	1	11/14/22	11/15/22	
Surrogate: Bromofluorobenzene		*97.4 %*	*70-130*	*11/14/22*	*11/15/22*	
Surrogate: 1,2-Dichloroethane-d4		*97.0 %*	*70-130*	*11/14/22*	*11/15/22*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*11/14/22*	*11/15/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2247002
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/22	11/15/22	
Surrogate: Bromofluorobenzene		*97.4 %*	*70-130*	*11/14/22*	*11/15/22*	
Surrogate: 1,2-Dichloroethane-d4		*97.0 %*	*70-130*	*11/14/22*	*11/15/22*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*11/14/22*	*11/15/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2247020
Diesel Range Organics (C10-C28)	ND	25.0	1	11/14/22	11/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/14/22	11/17/22	
Surrogate: n-Nonane		*96.4 %*	*50-200*	*11/14/22*	*11/17/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2246092
Chloride	**1300**	20.0	1	11/11/22	11/16/22	

Sample Data

GHD	Project Name:	12574110 Robinson B Fed #1	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/17/2022 4:02:13PM

SW4A

E211069-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2247002
Benzene	**0.0970**	0.0500	2	11/14/22	11/16/22	
Ethylbenzene	**9.17**	0.0500	2	11/14/22	11/16/22	
Toluene	**2.34**	0.0500	2	11/14/22	11/16/22	
o-Xylene	**4.01**	0.0500	2	11/14/22	11/16/22	
p,m-Xylene	**7.28**	0.100	2	11/14/22	11/16/22	
Total Xylenes	**11.3**	0.0500	2	11/14/22	11/16/22	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*11/14/22*	*11/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*91.4 %*	*70-130*	*11/14/22*	*11/16/22*	
Surrogate: Toluene-d8		*110 %*	*70-130*	*11/14/22*	*11/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2247002
Gasoline Range Organics (C6-C10)	**186**	40.0	2	11/14/22	11/16/22	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*11/14/22*	*11/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*91.4 %*	*70-130*	*11/14/22*	*11/16/22*	
Surrogate: Toluene-d8		*110 %*	*70-130*	*11/14/22*	*11/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2247020
Diesel Range Organics (C10-C28)	**3240**	500	20	11/14/22	11/17/22	
Oil Range Organics (C28-C36)	**1060**	1000	20	11/14/22	11/17/22	
Surrogate: n-Nonane		*89.3 %*	*50-200*	*11/14/22*	*11/17/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2246092
Chloride	**719**	20.0	1	11/11/22	11/16/22	

Sample Data

GHD	Project Name:	12574110 Robinson B Fed #1	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/17/2022 4:02:13PM

SW43

E211069-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2247002
Benzene	**0.319**	0.0500	2	11/14/22	11/16/22	
Ethylbenzene	**7.73**	0.0500	2	11/14/22	11/16/22	
Toluene	**1.67**	0.0500	2	11/14/22	11/16/22	
o-Xylene	**1.68**	0.0500	2	11/14/22	11/16/22	
p,m-Xylene	**4.08**	0.100	2	11/14/22	11/16/22	
Total Xylenes	**5.76**	0.0500	2	11/14/22	11/16/22	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*11/14/22*	*11/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*93.2 %*	*70-130*	*11/14/22*	*11/16/22*	
Surrogate: Toluene-d8		*110 %*	*70-130*	*11/14/22*	*11/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2247002
Gasoline Range Organics (C6-C10)	**154**	40.0	2	11/14/22	11/16/22	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*11/14/22*	*11/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*93.2 %*	*70-130*	*11/14/22*	*11/16/22*	
Surrogate: Toluene-d8		*110 %*	*70-130*	*11/14/22*	*11/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2247020
Diesel Range Organics (C10-C28)	**6200**	500	20	11/14/22	11/17/22	
Oil Range Organics (C28-C36)	**2970**	1000	20	11/14/22	11/17/22	
Surrogate: n-Nonane		*128 %*	*50-200*	*11/14/22*	*11/17/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2246092
Chloride	**223**	20.0	1	11/11/22	11/16/22	

Sample Data

GHD	Project Name:	12574110 Robinson B Fed #1	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/17/2022 4:02:13PM

SW44

E211069-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2247002
Benzene	**0.320**	0.125	5	11/14/22	11/16/22	
Ethylbenzene	**8.19**	0.125	5	11/14/22	11/16/22	
Toluene	**1.68**	0.125	5	11/14/22	11/16/22	
o-Xylene	**1.77**	0.125	5	11/14/22	11/16/22	
p,m-Xylene	**4.27**	0.250	5	11/14/22	11/16/22	
Total Xylenes	**6.04**	0.125	5	11/14/22	11/16/22	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*11/14/22*	*11/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*95.0 %*	*70-130*	*11/14/22*	*11/16/22*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*11/14/22*	*11/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2247002
Gasoline Range Organics (C6-C10)	**177**	100	5	11/14/22	11/16/22	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*11/14/22*	*11/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*95.0 %*	*70-130*	*11/14/22*	*11/16/22*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*11/14/22*	*11/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2247020
Diesel Range Organics (C10-C28)	**11100**	2500	100	11/14/22	11/17/22	
Oil Range Organics (C28-C36)	ND	5000	100	11/14/22	11/17/22	
Surrogate: n-Nonane		*181 %*	*50-200*	*11/14/22*	*11/17/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2246092
Chloride	**106**	20.0	1	11/11/22	11/16/22	

Sample Data

GHD	Project Name:	12574110 Robinson B Fed #1	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/17/2022 4:02:13PM

BH76

E211069-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2247002
Benzene	ND	0.0250	1	11/14/22	11/16/22	
Ethylbenzene	ND	0.0250	1	11/14/22	11/16/22	
Toluene	ND	0.0250	1	11/14/22	11/16/22	
o-Xylene	ND	0.0250	1	11/14/22	11/16/22	
p,m-Xylene	ND	0.0500	1	11/14/22	11/16/22	
Total Xylenes	ND	0.0250	1	11/14/22	11/16/22	
Surrogate: Bromofluorobenzene		*99.9 %*	*70-130*	*11/14/22*	*11/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*92.5 %*	*70-130*	*11/14/22*	*11/16/22*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*11/14/22*	*11/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2247002
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/22	11/16/22	
Surrogate: Bromofluorobenzene		*99.9 %*	*70-130*	*11/14/22*	*11/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*92.5 %*	*70-130*	*11/14/22*	*11/16/22*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*11/14/22*	*11/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2247020
Diesel Range Organics (C10-C28)	**2830**	500	20	11/14/22	11/17/22	
Oil Range Organics (C28-C36)	**1450**	1000	20	11/14/22	11/17/22	
Surrogate: n-Nonane		*110 %*	*50-200*	*11/14/22*	*11/17/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2246092
Chloride	**105**	20.0	1	11/11/22	11/16/22	

QC Summary Data

GHD	Project Name:	12574110 Robinson B Fed #1	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/17/2022 4:02:13PM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2247002-BLK1)									Prepared: 11/14/22 Analyzed: 11/15/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.481*		*0.500*		*96.1*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.466*		*0.500*		*93.2*	*70-130*			
Surrogate: Toluene-d8	*0.509*		*0.500*		*102*	*70-130*			
LCS (2247002-BS1)									Prepared: 11/14/22 Analyzed: 11/15/22
Benzene	2.64	0.0250	2.50		106	70-130			
Ethylbenzene	2.51	0.0250	2.50		101	70-130			
Toluene	2.49	0.0250	2.50		99.4	70-130			
o-Xylene	2.38	0.0250	2.50		95.1	70-130			
p,m-Xylene	4.72	0.0500	5.00		94.5	70-130			
Total Xylenes	7.10	0.0250	7.50		94.7	70-130			
Surrogate: Bromofluorobenzene	*0.500*		*0.500*		*99.9*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.504*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.508*		*0.500*		*102*	*70-130*			
Matrix Spike (2247002-MS1)				**Source: E211069-02**					Prepared: 11/14/22 Analyzed: 11/15/22
Benzene	2.64	0.0250	2.50	ND	106	48-131			
Ethylbenzene	2.55	0.0250	2.50	0.0775	98.9	45-135			
Toluene	2.47	0.0250	2.50	ND	98.8	48-130			
o-Xylene	2.37	0.0250	2.50	ND	94.9	43-135			
p,m-Xylene	4.75	0.0500	5.00	ND	95.0	43-135			
Total Xylenes	7.12	0.0250	7.50	ND	94.9	43-135			
Surrogate: Bromofluorobenzene	*0.516*		*0.500*		*103*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.508*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.504*		*0.500*		*101*	*70-130*			
Matrix Spike Dup (2247002-MSD1)				**Source: E211069-02**					Prepared: 11/14/22 Analyzed: 11/15/22
Benzene	2.16	0.0250	2.50	ND	86.2	48-131	20.2	23	
Ethylbenzene	2.26	0.0250	2.50	0.0775	87.4	45-135	11.9	27	
Toluene	2.18	0.0250	2.50	ND	87.1	48-130	12.6	24	
o-Xylene	2.15	0.0250	2.50	ND	85.8	43-135	10.0	27	
p,m-Xylene	4.18	0.0500	5.00	ND	83.5	43-135	12.8	27	
Total Xylenes	6.32	0.0250	7.50	ND	84.3	43-135	11.9	27	
Surrogate: Bromofluorobenzene	*0.499*		*0.500*		*99.8*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.475*		*0.500*		*95.0*	*70-130*			
Surrogate: Toluene-d8	*0.527*		*0.500*		*105*	*70-130*			

QC Summary Data

GHD	Project Name:	12574110 Robinson B Fed #1	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/17/2022 4:02:13PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2247002-BLK1)									Prepared: 11/14/22 Analyzed: 11/15/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.481*		*0.500*		*96.1*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.466*		*0.500*		*93.2*	*70-130*			
Surrogate: Toluene-d8	*0.509*		*0.500*		*102*	*70-130*			
LCS (2247002-BS2)									Prepared: 11/14/22 Analyzed: 11/15/22
Gasoline Range Organics (C6-C10)	57.4	20.0	50.0		115	70-130			
Surrogate: Bromofluorobenzene	*0.502*		*0.500*		*100*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.485*		*0.500*		*97.0*	*70-130*			
Surrogate: Toluene-d8	*0.508*		*0.500*		*102*	*70-130*			
Matrix Spike (2247002-MS2)				**Source: E211069-02**					Prepared: 11/14/22 Analyzed: 11/15/22
Gasoline Range Organics (C6-C10)	57.0	20.0	50.0	ND	114	70-130			
Surrogate: Bromofluorobenzene	*0.502*		*0.500*		*100*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.506*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.502*		*0.500*		*100*	*70-130*			
Matrix Spike Dup (2247002-MSD2)				**Source: E211069-02**					Prepared: 11/14/22 Analyzed: 11/15/22
Gasoline Range Organics (C6-C10)	56.7	20.0	50.0	ND	113	70-130	0.521	20	
Surrogate: Bromofluorobenzene	*0.499*		*0.500*		*99.7*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.474*		*0.500*		*94.7*	*70-130*			
Surrogate: Toluene-d8	*0.510*		*0.500*		*102*	*70-130*			

QC Summary Data

GHD	Project Name:	12574110 Robinson B Fed #1	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/17/2022 4:02:13PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2247020-BLK1)									Prepared: 11/14/22 Analyzed: 11/16/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*48.4*		*50.0*		*96.7*	*50-200*			
LCS (2247020-BS1)									Prepared: 11/14/22 Analyzed: 11/16/22
Diesel Range Organics (C10-C28)	476	25.0	500		95.1	38-132			
Surrogate: n-Nonane	*47.5*		*50.0*		*95.0*	*50-200*			
Matrix Spike (2247020-MS1)				**Source: E211070-02**					Prepared: 11/14/22 Analyzed: 11/16/22
Diesel Range Organics (C10-C28)	420	25.0	500	ND	84.0	38-132			
Surrogate: n-Nonane	*37.3*		*50.0*		*74.5*	*50-200*			
Matrix Spike Dup (2247020-MSD1)				**Source: E211070-02**					Prepared: 11/14/22 Analyzed: 11/16/22
Diesel Range Organics (C10-C28)	360	25.0	500	ND	71.9	38-132	15.6	20	
Surrogate: n-Nonane	*32.3*		*50.0*		*64.7*	*50-200*			

QC Summary Data

GHD	Project Name:	12574110 Robinson B Fed #1	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/17/2022 4:02:13PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2246092-BLK1)									Prepared: 11/11/22 Analyzed: 11/16/22
Chloride	ND	20.0							
LCS (2246092-BS1)									Prepared: 11/11/22 Analyzed: 11/16/22
Chloride	245	20.0	250		97.9	90-110			
Matrix Spike (2246092-MS1)				**Source: E211069-02**					Prepared: 11/11/22 Analyzed: 11/16/22
Chloride	1060	20.0	250	754	122	80-120			M2
Matrix Spike Dup (2246092-MSD1)				**Source: E211069-02**					Prepared: 11/11/22 Analyzed: 11/16/22
Chloride	1090	20.0	250	754	135	80-120	3.00	20	M2

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

GHD	Project Name:	12574110 Robinson B Fed #1	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/17/22 16:02

M2	Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 1/17/2023 10:41:10 AM
Received by OCD: 12/19/2022 1:41:21 PM

Client: GHD
Project: 12S74110 Robinson Bfed#1
Project Manager: Nate Reece / JT Murrey
Address:6121 Indian School Rd. NE St. 200
City, State, Zip: Albuquerque, NM 87110
Phone:(281)386-7158
Email: nate.reece@ghd.com
Report due by:

Bill To
Attention: EOG Amber Griffin
Address: 1045 4th St.
City, State, Zip: Artesia, NM 88210
Phone:
Email: amber_griffin@eogresources.com

Lab Use Only
Lab WO# E211069
Job Number 19034-0001

TAT: 1D | 2D | 3D | Standard ✓

EPA Program: CWA | SDWA | RCRA

State: NM ✓ | CO | UT | AZ | TX

Analysis and Method

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
1335	1109	Soil	1	SW14A	1	X	X			X			
1340				SW15A	2								
1345				SW3A	3								
1350				SW2A	4								
1355				SW16A	5								
1400				SW17A	6								
1405				SW18A	7								
1410				SW4A	8								
1415				SW43	9								
1420				SW44	10								

Additional Instructions: Please email results to: amber_griffin@eogresources.com; chase_settle@eogresources.com; jt.murrey@ghd.com; liam.giersdorf@ghd.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Liam Giersdorf

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Liam Giersdorf	11.10	0800		11-10-22	2:00
	11-10-22	4:15	Caitlin Chatt	11/10/22	10:45

Lab Use Only
Received on ice: Y / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Released to Imaging: 1/17/2023 10:41:10 AM
Received by OCD: 12/19/2022 1:41:21 PM

Project Information | Chain of Custody | Page 4 of 4

| | | |

Envirotech Analytical Laboratory

Printed: 11/11/2022 2:41:19PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	GHD	Date Received:	11/11/22 10:45	Work Order ID:	E211069
Phone:	(505) 884-0672	Date Logged In:	11/11/22 11:17	Logged In By:	Caitlin Christian
Email:	nate.reece@ghd.com	Due Date:	11/17/22 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: UPS
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	No	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: na

Comments/Resolution

Project has been separated into 2 reports due to sample volume. Workorders are as follows: E211068 & E211069.

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

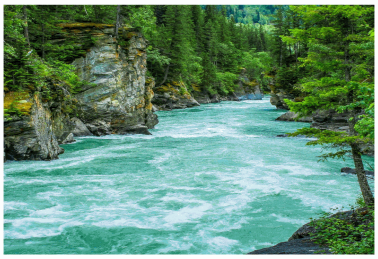
Date

envirotech Inc.

Report to:

Nate Reece









5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

NELAP ACCREDITED TNI LABORATORY

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

GHD

Project Name:	Robinson 12574110
Work Order:	E211086
Job Number:	19034-0001
Received:	11/16/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/22/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 11/22/22

Nate Reece
6121 Indian School Rd. NE #200
Albuquerque, NM 87110

Project Name: Robinson 12574110
Workorder: E211086
Date Received: 11/16/2022 10:45:00AM

Nate Reece,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/16/2022 10:45:00AM, under the Project Name: Robinson 12574110.

The analytical test results summarized in this report with the Project Name: Robinson 12574110 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

GHD	Project Name:	Robinson 12574110	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/22 16:04

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW31A	E211086-01A	Soil	11/14/22	11/16/22	Glass Jar, 4 oz.
SW32A	E211086-02A	Soil	11/14/22	11/16/22	Glass Jar, 4 oz.
BH66A	E211086-03A	Soil	11/14/22	11/16/22	Glass Jar, 4 oz.
BH67A	E211086-04A	Soil	11/14/22	11/16/22	Glass Jar, 4 oz.
BH59A	E211086-05A	Soil	11/14/22	11/16/22	Glass Jar, 4 oz.
BH60A	E211086-06A	Soil	11/14/22	11/16/22	Glass Jar, 4 oz.
BH61A	E211086-07A	Soil	11/14/22	11/16/22	Glass Jar, 4 oz.
BH63A	E211086-08A	Soil	11/14/22	11/16/22	Glass Jar, 4 oz.
BH64A	E211086-09A	Soil	11/14/22	11/16/22	Glass Jar, 4 oz.
BH65A	E211086-10A	Soil	11/14/22	11/16/22	Glass Jar, 4 oz.
SW33A	E211086-11A	Soil	11/14/22	11/16/22	Glass Jar, 4 oz.
SW34A	E211086-12A	Soil	11/14/22	11/16/22	Glass Jar, 4 oz.
BH22A	E211086-13A	Soil	11/14/22	11/16/22	Glass Jar, 4 oz.
BH23A	E211086-14A	Soil	11/14/22	11/16/22	Glass Jar, 4 oz.
BH25A	E211086-15A	Soil	11/14/22	11/16/22	Glass Jar, 4 oz.
BH26A	E211086-16A	Soil	11/14/22	11/16/22	Glass Jar, 4 oz.
BH27A	E211086-17A	Soil	11/14/22	11/16/22	Glass Jar, 4 oz.
BH28A	E211086-18A	Soil	11/14/22	11/16/22	Glass Jar, 4 oz.
BH29A	E211086-19A	Soil	11/14/22	11/16/22	Glass Jar, 4 oz.
BH30A	E211086-20A	Soil	11/14/22	11/16/22	Glass Jar, 4 oz.

Sample Data

GHD	Project Name:	Robinson 12574110	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 4:04:22PM

SW31A

E211086-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2247047
Benzene	ND	0.0250	1	11/16/22	11/17/22	
Ethylbenzene	ND	0.0250	1	11/16/22	11/17/22	
Toluene	ND	0.0250	1	11/16/22	11/17/22	
o-Xylene	ND	0.0250	1	11/16/22	11/17/22	
p,m-Xylene	ND	0.0500	1	11/16/22	11/17/22	
Total Xylenes	ND	0.0250	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*112 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*94.2 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2247047
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*112 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*94.2 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2247048
Diesel Range Organics (C10-C28)	ND	25.0	1	11/16/22	11/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/16/22	11/20/22	
Surrogate: n-Nonane		*116 %*	*50-200*	*11/16/22*	*11/20/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2248010
Chloride	ND	20.0	1	11/21/22	11/21/22	

Sample Data

GHD	Project Name:	Robinson 12574110	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 4:04:22PM

SW32A

E211086-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2247047
Benzene	ND	0.0500	2	11/16/22	11/17/22	
Ethylbenzene	ND	0.0500	2	11/16/22	11/17/22	
Toluene	ND	0.0500	2	11/16/22	11/17/22	
o-Xylene	ND	0.0500	2	11/16/22	11/17/22	
p,m-Xylene	ND	0.100	2	11/16/22	11/17/22	
Total Xylenes	ND	0.0500	2	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*113 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*94.6 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2247047
Gasoline Range Organics (C6-C10)	ND	40.0	2	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*113 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*94.6 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2247048
Diesel Range Organics (C10-C28)	**124**	50.0	2	11/16/22	11/21/22	
Oil Range Organics (C28-C36)	**139**	100	2	11/16/22	11/21/22	
Surrogate: n-Nonane		*95.5 %*	*50-200*	*11/16/22*	*11/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2248010
Chloride	ND	20.0	1	11/21/22	11/21/22	

Sample Data

GHD	Project Name:	Robinson 12574110	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 4:04:22PM

BH66A

E211086-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2247047
Benzene	ND	0.0250	1	11/16/22	11/17/22	
Ethylbenzene	ND	0.0250	1	11/16/22	11/17/22	
Toluene	ND	0.0250	1	11/16/22	11/17/22	
o-Xylene	ND	0.0250	1	11/16/22	11/17/22	
p,m-Xylene	ND	0.0500	1	11/16/22	11/17/22	
Total Xylenes	ND	0.0250	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*119 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*95.0 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2247047
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*119 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*95.0 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2247048
Diesel Range Organics (C10-C28)	**133**	125	5	11/16/22	11/21/22	
Oil Range Organics (C28-C36)	ND	250	5	11/16/22	11/21/22	
Surrogate: n-Nonane		*97.4 %*	*50-200*	*11/16/22*	*11/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2248010
Chloride	**23.1**	20.0	1	11/21/22	11/21/22	

Sample Data

GHD	Project Name:	Robinson 12574110	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 4:04:22PM

BH67A

E211086-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2247047
Benzene	ND	0.0250	1	11/16/22	11/17/22	
Ethylbenzene	ND	0.0250	1	11/16/22	11/17/22	
Toluene	ND	0.0250	1	11/16/22	11/17/22	
o-Xylene	ND	0.0250	1	11/16/22	11/17/22	
p,m-Xylene	ND	0.0500	1	11/16/22	11/17/22	
Total Xylenes	ND	0.0250	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*113 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*93.5 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2247047
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*113 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*93.5 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2247048
Diesel Range Organics (C10-C28)	ND	50.0	2	11/16/22	11/21/22	
Oil Range Organics (C28-C36)	ND	100	2	11/16/22	11/21/22	
Surrogate: n-Nonane		*105 %*	*50-200*	*11/16/22*	*11/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2248010
Chloride	ND	40.0	2	11/21/22	11/21/22	

Sample Data

GHD	Project Name:	Robinson 12574110	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 4:04:22PM

BH59A

E211086-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2247047
Benzene	ND	0.0250	1	11/16/22	11/17/22	
Ethylbenzene	ND	0.0250	1	11/16/22	11/17/22	
Toluene	ND	0.0250	1	11/16/22	11/17/22	
o-Xylene	ND	0.0250	1	11/16/22	11/17/22	
p,m-Xylene	ND	0.0500	1	11/16/22	11/17/22	
Total Xylenes	ND	0.0250	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*114 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*95.8 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2247047
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*114 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*95.8 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2247048
Diesel Range Organics (C10-C28)	ND	25.0	1	11/16/22	11/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/16/22	11/20/22	
Surrogate: n-Nonane		*109 %*	*50-200*	*11/16/22*	*11/20/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2248010
Chloride	ND	20.0	1	11/21/22	11/21/22	

Sample Data

GHD	Project Name:	Robinson 12574110	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 4:04:22PM

BH60A

E211086-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2247047
Benzene	ND	0.0250	1	11/16/22	11/17/22	
Ethylbenzene	ND	0.0250	1	11/16/22	11/17/22	
Toluene	ND	0.0250	1	11/16/22	11/17/22	
o-Xylene	ND	0.0250	1	11/16/22	11/17/22	
p,m-Xylene	ND	0.0500	1	11/16/22	11/17/22	
Total Xylenes	ND	0.0250	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*117 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*95.3 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2247047
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*117 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*95.3 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2247048
Diesel Range Organics (C10-C28)	**585**	125	5	11/16/22	11/21/22	
Oil Range Organics (C28-C36)	**587**	250	5	11/16/22	11/21/22	
Surrogate: n-Nonane		*101 %*	*50-200*	*11/16/22*	*11/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2248010
Chloride	**44.5**	20.0	1	11/21/22	11/21/22	

Sample Data

GHD	Project Name:	Robinson 12574110	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 4:04:22PM

BH61A

E211086-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2247047
Benzene	ND	0.0250	1	11/16/22	11/17/22	
Ethylbenzene	ND	0.0250	1	11/16/22	11/17/22	
Toluene	ND	0.0250	1	11/16/22	11/17/22	
o-Xylene	ND	0.0250	1	11/16/22	11/17/22	
p,m-Xylene	ND	0.0500	1	11/16/22	11/17/22	
Total Xylenes	ND	0.0250	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*118 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*95.3 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2247047
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*118 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*95.3 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2247048
Diesel Range Organics (C10-C28)	**55.8**	50.0	2	11/16/22	11/21/22	
Oil Range Organics (C28-C36)	ND	100	2	11/16/22	11/21/22	
Surrogate: n-Nonane		*101 %*	*50-200*	*11/16/22*	*11/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2248010
Chloride	**45.4**	20.0	1	11/21/22	11/21/22	

Sample Data

GHD	Project Name:	Robinson 12574110	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 4:04:22PM

BH63A

E211086-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2247047
Benzene	ND	0.0250	1	11/16/22	11/17/22	
Ethylbenzene	ND	0.0250	1	11/16/22	11/17/22	
Toluene	ND	0.0250	1	11/16/22	11/17/22	
o-Xylene	ND	0.0250	1	11/16/22	11/17/22	
p,m-Xylene	ND	0.0500	1	11/16/22	11/17/22	
Total Xylenes	ND	0.0250	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*78.8 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*108 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*92.5 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2247047
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*78.8 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*108 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*92.5 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2247048
Diesel Range Organics (C10-C28)	**648**	500	20	11/16/22	11/21/22	
Oil Range Organics (C28-C36)	ND	1000	20	11/16/22	11/21/22	
Surrogate: n-Nonane		*116 %*	*50-200*	*11/16/22*	*11/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2248010
Chloride	**87.8**	20.0	1	11/21/22	11/21/22	

Sample Data

GHD	Project Name:	Robinson 12574110	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 4:04:22PM

BH64A

E211086-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2247047
Benzene	ND	0.0250	1	11/16/22	11/17/22	
Ethylbenzene	ND	0.0250	1	11/16/22	11/17/22	
Toluene	ND	0.0250	1	11/16/22	11/17/22	
o-Xylene	ND	0.0250	1	11/16/22	11/17/22	
p,m-Xylene	ND	0.0500	1	11/16/22	11/17/22	
Total Xylenes	ND	0.0250	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*97.9 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*111 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*98.6 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2247047
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*97.9 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*111 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*98.6 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2247048
Diesel Range Organics (C10-C28)	**195**	50.0	2	11/16/22	11/21/22	
Oil Range Organics (C28-C36)	**160**	100	2	11/16/22	11/21/22	
Surrogate: n-Nonane		*106 %*	*50-200*	*11/16/22*	*11/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2248010
Chloride	**66.1**	20.0	1	11/21/22	11/21/22	

Sample Data

GHD	Project Name:	Robinson 12574110	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 4:04:22PM

BH65A

E211086-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2247047
Benzene	ND	0.0250	1	11/16/22	11/17/22	
Ethylbenzene	ND	0.0250	1	11/16/22	11/17/22	
Toluene	ND	0.0250	1	11/16/22	11/17/22	
o-Xylene	ND	0.0250	1	11/16/22	11/17/22	
p,m-Xylene	ND	0.0500	1	11/16/22	11/17/22	
Total Xylenes	ND	0.0250	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*97.5 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*111 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2247047
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*97.5 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*111 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2247048
Diesel Range Organics (C10-C28)	ND	25.0	1	11/16/22	11/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/16/22	11/20/22	
Surrogate: n-Nonane		*110 %*	*50-200*	*11/16/22*	*11/20/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2248010
Chloride	**41.5**	20.0	1	11/21/22	11/21/22	

Sample Data

GHD	Project Name:	Robinson 12574110	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 4:04:22PM

SW33A

E211086-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2247047
Benzene	ND	0.0250	1	11/16/22	11/17/22	
Ethylbenzene	ND	0.0250	1	11/16/22	11/17/22	
Toluene	ND	0.0250	1	11/16/22	11/17/22	
o-Xylene	ND	0.0250	1	11/16/22	11/17/22	
p,m-Xylene	ND	0.0500	1	11/16/22	11/17/22	
Total Xylenes	ND	0.0250	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*95.9 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*112 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*99.7 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2247047
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*95.9 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*112 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*99.7 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2247048
Diesel Range Organics (C10-C28)	**34.0**	25.0	1	11/16/22	11/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/16/22	11/20/22	
Surrogate: n-Nonane		*110 %*	*50-200*	*11/16/22*	*11/20/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2248010
Chloride	ND	20.0	1	11/21/22	11/21/22	

Sample Data

GHD	Project Name:	Robinson 12574110	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 4:04:22PM

SW34A

E211086-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2247047
Benzene	ND	0.0250	1	11/16/22	11/17/22	
Ethylbenzene	ND	0.0250	1	11/16/22	11/17/22	
Toluene	ND	0.0250	1	11/16/22	11/17/22	
o-Xylene	ND	0.0250	1	11/16/22	11/17/22	
p,m-Xylene	ND	0.0500	1	11/16/22	11/17/22	
Total Xylenes	ND	0.0250	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*96.3 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*113 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*98.6 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2247047
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*96.3 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*113 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*98.6 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2247048
Diesel Range Organics (C10-C28)	ND	25.0	1	11/16/22	11/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/16/22	11/20/22	
Surrogate: n-Nonane		*113 %*	*50-200*	*11/16/22*	*11/20/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2248010
Chloride	**49.5**	20.0	1	11/21/22	11/21/22	

Sample Data

GHD	Project Name:	Robinson 12574110	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 4:04:22PM

BH22A

E211086-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2247047
Benzene	ND	0.0250	1	11/16/22	11/17/22	
Ethylbenzene	ND	0.0250	1	11/16/22	11/17/22	
Toluene	ND	0.0250	1	11/16/22	11/17/22	
o-Xylene	ND	0.0250	1	11/16/22	11/17/22	
p,m-Xylene	ND	0.0500	1	11/16/22	11/17/22	
Total Xylenes	ND	0.0250	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*99.6 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*107 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*99.4 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2247047
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*99.6 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*107 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*99.4 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2247048
Diesel Range Organics (C10-C28)	**4170**	1250	50	11/16/22	11/21/22	
Oil Range Organics (C28-C36)	**2630**	2500	50	11/16/22	11/21/22	
Surrogate: n-Nonane		*119 %*	*50-200*	*11/16/22*	*11/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2248010
Chloride	**190**	20.0	1	11/21/22	11/21/22	

Sample Data

GHD	Project Name:	Robinson 12574110	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 4:04:22PM

BH23A

E211086-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2247047
Benzene	ND	0.0250	1	11/16/22	11/17/22	
Ethylbenzene	**0.955**	0.0250	1	11/16/22	11/17/22	
Toluene	ND	0.0250	1	11/16/22	11/17/22	
o-Xylene	**0.0435**	0.0250	1	11/16/22	11/17/22	
p,m-Xylene	**0.250**	0.0500	1	11/16/22	11/17/22	
Total Xylenes	**0.294**	0.0250	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*112 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*97.9 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2247047
Gasoline Range Organics (C6-C10)	**53.7**	20.0	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*112 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*97.9 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2247048
Diesel Range Organics (C10-C28)	**3250**	1250	50	11/16/22	11/21/22	
Oil Range Organics (C28-C36)	ND	2500	50	11/16/22	11/21/22	
Surrogate: n-Nonane		*112 %*	*50-200*	*11/16/22*	*11/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2248010
Chloride	**238**	20.0	1	11/21/22	11/21/22	

Sample Data

GHD	Project Name:	Robinson 12574110	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 4:04:22PM

BH25A

E211086-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2247047
Benzene	ND	0.0250	1	11/16/22	11/17/22	
Ethylbenzene	ND	0.0250	1	11/16/22	11/17/22	
Toluene	ND	0.0250	1	11/16/22	11/17/22	
o-Xylene	ND	0.0250	1	11/16/22	11/17/22	
p,m-Xylene	ND	0.0500	1	11/16/22	11/17/22	
Total Xylenes	ND	0.0250	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*106 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*98.3 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2247047
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*106 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*98.3 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2247048
Diesel Range Organics (C10-C28)	**2040**	500	20	11/16/22	11/21/22	
Oil Range Organics (C28-C36)	**1340**	1000	20	11/16/22	11/21/22	
Surrogate: n-Nonane		*121 %*	*50-200*	*11/16/22*	*11/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2248010
Chloride	**286**	20.0	1	11/21/22	11/21/22	

Sample Data

GHD	Project Name:	Robinson 12574110	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 4:04:22PM

BH26A

E211086-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2247047
Benzene	ND	0.0250	1	11/16/22	11/17/22	
Ethylbenzene	ND	0.0250	1	11/16/22	11/17/22	
Toluene	ND	0.0250	1	11/16/22	11/17/22	
o-Xylene	ND	0.0250	1	11/16/22	11/17/22	
p,m-Xylene	ND	0.0500	1	11/16/22	11/17/22	
Total Xylenes	ND	0.0250	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*107 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*94.7 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2247047
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*107 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*94.7 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2247048
Diesel Range Organics (C10-C28)	**356**	25.0	1	11/16/22	11/21/22	
Oil Range Organics (C28-C36)	**322**	50.0	1	11/16/22	11/21/22	
Surrogate: n-Nonane		*116 %*	*50-200*	*11/16/22*	*11/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2248010
Chloride	**423**	20.0	1	11/21/22	11/21/22	

Sample Data

GHD	Project Name:	Robinson 12574110	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 4:04:22PM

BH27A

E211086-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2247047
Benzene	ND	0.0250	1	11/16/22	11/17/22	
Ethylbenzene	**0.0625**	0.0250	1	11/16/22	11/17/22	
Toluene	ND	0.0250	1	11/16/22	11/17/22	
o-Xylene	**0.0530**	0.0250	1	11/16/22	11/17/22	
p,m-Xylene	**0.0655**	0.0500	1	11/16/22	11/17/22	
Total Xylenes	**0.119**	0.0250	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*107 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*113 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*99.0 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2247047
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*107 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*113 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*99.0 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2247048
Diesel Range Organics (C10-C28)	**2700**	500	20	11/16/22	11/21/22	
Oil Range Organics (C28-C36)	**1620**	1000	20	11/16/22	11/21/22	
Surrogate: n-Nonane		*110 %*	*50-200*	*11/16/22*	*11/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2248010
Chloride	**281**	20.0	1	11/21/22	11/21/22	

Sample Data

GHD	Project Name:	Robinson 12574110	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 4:04:22PM

BH28A

E211086-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2247047
Benzene	ND	0.0250	1	11/16/22	11/17/22	
Ethylbenzene	ND	0.0250	1	11/16/22	11/17/22	
Toluene	ND	0.0250	1	11/16/22	11/17/22	
o-Xylene	ND	0.0250	1	11/16/22	11/17/22	
p,m-Xylene	ND	0.0500	1	11/16/22	11/17/22	
Total Xylenes	ND	0.0250	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*99.9 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*107 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*95.3 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2247047
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*99.9 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*107 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*95.3 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2247048
Diesel Range Organics (C10-C28)	**411**	250	10	11/16/22	11/21/22	
Oil Range Organics (C28-C36)	ND	500	10	11/16/22	11/21/22	
Surrogate: n-Nonane		*108 %*	*50-200*	*11/16/22*	*11/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2248010
Chloride	**302**	20.0	1	11/21/22	11/21/22	

Sample Data

GHD	Project Name:	Robinson 12574110	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 4:04:22PM

BH29A

E211086-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2247047
Benzene	ND	0.0250	1	11/16/22	11/17/22	
Ethylbenzene	**0.133**	0.0250	1	11/16/22	11/17/22	
Toluene	ND	0.0250	1	11/16/22	11/17/22	
o-Xylene	ND	0.0250	1	11/16/22	11/17/22	
p,m-Xylene	**0.0530**	0.0500	1	11/16/22	11/17/22	
Total Xylenes	**0.0530**	0.0250	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*109 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*95.3 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2247047
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*109 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*95.3 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2247048
Diesel Range Organics (C10-C28)	**3020**	1250	50	11/16/22	11/21/22	
Oil Range Organics (C28-C36)	ND	2500	50	11/16/22	11/21/22	
Surrogate: n-Nonane		*107 %*	*50-200*	*11/16/22*	*11/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2248010
Chloride	**240**	20.0	1	11/21/22	11/21/22	

Sample Data

GHD	Project Name:	Robinson 12574110	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 4:04:22PM

BH30A

E211086-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2247047
Benzene	ND	0.0250	1	11/16/22	11/17/22	
Ethylbenzene	ND	0.0250	1	11/16/22	11/17/22	
Toluene	ND	0.0250	1	11/16/22	11/17/22	
o-Xylene	ND	0.0250	1	11/16/22	11/17/22	
p,m-Xylene	ND	0.0500	1	11/16/22	11/17/22	
Total Xylenes	ND	0.0250	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*111 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*96.1 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2247047
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*111 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*96.1 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2247048
Diesel Range Organics (C10-C28)	**506**	250	10	11/16/22	11/21/22	
Oil Range Organics (C28-C36)	ND	500	10	11/16/22	11/21/22	
Surrogate: n-Nonane		*113 %*	*50-200*	*11/16/22*	*11/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2248010
Chloride	**294**	20.0	1	11/21/22	11/21/22	

QC Summary Data

GHD	Project Name:	Robinson 12574110	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 4:04:22PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2247047-BLK1)									Prepared: 11/16/22 Analyzed: 11/18/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.498*		*0.500*		*99.5*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.546*		*0.500*		*109*	*70-130*			
Surrogate: Toluene-d8	*0.482*		*0.500*		*96.3*	*70-130*			
LCS (2247047-BS1)									Prepared: 11/16/22 Analyzed: 11/18/22
Benzene	2.29	0.0250	2.50		91.4	70-130			
Ethylbenzene	2.20	0.0250	2.50		88.1	70-130			
Toluene	2.27	0.0250	2.50		90.7	70-130			
o-Xylene	2.31	0.0250	2.50		92.3	70-130			
p,m-Xylene	4.57	0.0500	5.00		91.5	70-130			
Total Xylenes	6.88	0.0250	7.50		91.7	70-130			
Surrogate: Bromofluorobenzene	*0.509*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.580*		*0.500*		*116*	*70-130*			
Surrogate: Toluene-d8	*0.485*		*0.500*		*97.0*	*70-130*			
Matrix Spike (2247047-MS1)				**Source: E211086-05**					Prepared: 11/16/22 Analyzed: 11/18/22
Benzene	2.26	0.0250	2.50	ND	90.4	48-131			
Ethylbenzene	2.28	0.0250	2.50	ND	91.4	45-135			
Toluene	2.34	0.0250	2.50	ND	93.5	48-130			
o-Xylene	2.40	0.0250	2.50	ND	96.0	43-135			
p,m-Xylene	4.70	0.0500	5.00	ND	94.1	43-135			
Total Xylenes	7.11	0.0250	7.50	ND	94.7	43-135			
Surrogate: Bromofluorobenzene	*0.519*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.565*		*0.500*		*113*	*70-130*			
Surrogate: Toluene-d8	*0.502*		*0.500*		*100*	*70-130*			
Matrix Spike Dup (2247047-MSD1)				**Source: E211086-05**					Prepared: 11/16/22 Analyzed: 11/18/22
Benzene	2.31	0.0250	2.50	ND	92.3	48-131	2.12	23	
Ethylbenzene	2.26	0.0250	2.50	ND	90.5	45-135	0.968	27	
Toluene	2.29	0.0250	2.50	ND	91.4	48-130	2.18	24	
o-Xylene	2.36	0.0250	2.50	ND	94.3	43-135	1.85	27	
p,m-Xylene	4.67	0.0500	5.00	ND	93.5	43-135	0.661	27	
Total Xylenes	7.03	0.0250	7.50	ND	93.7	43-135	1.06	27	
Surrogate: Bromofluorobenzene	*0.519*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.557*		*0.500*		*111*	*70-130*			
Surrogate: Toluene-d8	*0.486*		*0.500*		*97.2*	*70-130*			

QC Summary Data

GHD	Project Name:	Robinson 12574110	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 4:04:22PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2247047-BLK1)									Prepared: 11/16/22 Analyzed: 11/18/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.498*		*0.500*		*99.5*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.546*		*0.500*		*109*	*70-130*			
Surrogate: Toluene-d8	*0.482*		*0.500*		*96.3*	*70-130*			
LCS (2247047-BS2)									Prepared: 11/16/22 Analyzed: 11/18/22
Gasoline Range Organics (C6-C10)	50.9	20.0	50.0		102	70-130			
Surrogate: Bromofluorobenzene	*0.495*		*0.500*		*99.0*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.585*		*0.500*		*117*	*70-130*			
Surrogate: Toluene-d8	*0.497*		*0.500*		*99.4*	*70-130*			
Matrix Spike (2247047-MS2)				**Source: E211086-05**					Prepared: 11/16/22 Analyzed: 11/18/22
Gasoline Range Organics (C6-C10)	45.6	20.0	50.0	ND	91.1	70-130			
Surrogate: Bromofluorobenzene	*0.497*		*0.500*		*99.3*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.560*		*0.500*		*112*	*70-130*			
Surrogate: Toluene-d8	*0.498*		*0.500*		*99.5*	*70-130*			
Matrix Spike Dup (2247047-MSD2)				**Source: E211086-05**					Prepared: 11/16/22 Analyzed: 11/18/22
Gasoline Range Organics (C6-C10)	47.2	20.0	50.0	ND	94.4	70-130	3.51	20	
Surrogate: Bromofluorobenzene	*0.500*		*0.500*		*99.9*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.529*		*0.500*		*106*	*70-130*			
Surrogate: Toluene-d8	*0.492*		*0.500*		*98.3*	*70-130*			

QC Summary Data

GHD	Project Name:	Robinson 12574110	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 4:04:22PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2247048-BLK1)									Prepared: 11/16/22 Analyzed: 11/20/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*56.7*		*50.0*		*113*	*50-200*			
LCS (2247048-BS1)									Prepared: 11/16/22 Analyzed: 11/20/22
Diesel Range Organics (C10-C28)	268	25.0	250		107	38-132			
Surrogate: n-Nonane	*56.0*		*50.0*		*112*	*50-200*			
Matrix Spike (2247048-MS1)				**Source: E211086-03**					Prepared: 11/16/22 Analyzed: 11/21/22
Diesel Range Organics (C10-C28)	425	125	250	133	117	38-132			
Surrogate: n-Nonane	*49.0*		*50.0*		*98.0*	*50-200*			
Matrix Spike Dup (2247048-MSD1)				**Source: E211086-03**					Prepared: 11/16/22 Analyzed: 11/21/22
Diesel Range Organics (C10-C28)	435	125	250	133	121	38-132	2.37	20	
Surrogate: n-Nonane	*55.9*		*50.0*		*112*	*50-200*			

QC Summary Data

GHD	Project Name:	Robinson 12574110	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 4:04:22PM

Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2248010-BLK1)									Prepared: 11/21/22 Analyzed: 11/21/22
Chloride	ND	20.0							
LCS (2248010-BS1)									Prepared: 11/21/22 Analyzed: 11/21/22
Chloride	247	20.0	250		98.8	90-110			
Matrix Spike (2248010-MS1)				**Source: E211086-01**					Prepared: 11/21/22 Analyzed: 11/21/22
Chloride	272	20.0	250	ND	109	80-120			
Matrix Spike Dup (2248010-MSD1)				**Source: E211086-01**					Prepared: 11/21/22 Analyzed: 11/21/22
Chloride	265	20.0	250	ND	106	80-120	2.46	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

GHD	Project Name:	Robinson 12574110	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/22 16:04

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 1/17/2023 10:41:10 AM
Received by OCD: 12/19/2022 1:41:21 PM

Project Information | Chain of Custody | Page 1 of 6

Client: GHD	**Bill To**
Project: Robinson 12574110	Attention: EOG Amber Griffin
Project Manager: Nate Reece / JT Murrey	Address: 1045 4th St.
Address:6121 Indian School Rd. NE St. 200	City, State, Zip: Artesia, NM 88210
City, State, Zip: Albuquerque, NM 87110	Phone:
Phone:(281)386-7158	Email: amber_griffin@eogresources.com
Email: nate.reece@ghd.com	
Report due by:	

Lab Use Only		TAT				EPA Program	
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
E211086	19034-0001				✓		
							RCRA

State: NM ✓ | CO | UT | AZ | TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
1030	11/4	S	1	SW31A	1	X	X			X			
1035				SW32A	2								
1040				BH66A	3								
1045				BH67A	4								
1050				BH59A	5								
1055				BH60A	6								
1100				BH61A	7								
1105				BH63A	8								
1110				BH64A	9								
1125				BH65A	10								

Additional Instructions: Please email results to: amber_griffin@eogresources.com; chase_settle@eogresources.com; jt.murrey@ghd.com; liam.giersdorf@ghd.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Liam Giersdorf

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Liam Giersdorf	11/5	0800	Michelle R. Gonzales	11-5-22	0800
Michelle R. Gonzales	11-5-22	1600	[signature]	11/16/22	10:45
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
Received on ice: (Y) / N
T1 ____ T2 ____ T3 ____
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other ____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Released to Imaging: 1/17/2023 10:41:10 AM
Received by OCD: 12/19/2022 1:41:21 PM

Project Information | Chain of Custody | Page 2 of 4

Client: GHD	
Project: Robinson 12574110	
Project Manager: Nate Reece / JT Murrey	
Address:6121 Indian School Rd. NE St. 200	
City, State, Zip: Albuquerque, NM 87110	
Phone:(281)386-7158	
Email: nate.reece@ghd.com	
Report due by:	

Bill To

Attention: EOG Amber Griffin	
Address: 1045 4th St.	
City, State, Zip: Artesia, NM 88210	
Phone:	
Email: amber_griffin@eogresources.com	

Lab Use Only

Lab WO#	Job Number
E211086	19034-0001

TAT

1D	2D	3D	Standard
			✓

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX
✓				

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
1115	11/4	S	1	SW33A	11	X	X			X			
1120				SW34A	12								
1215				BH22A	13								
1220				BH23A	14								
1225				BH25A	15								
1230				BH26A	16								
1235				BH27A	17								
1240				BH28A	18								
1245				BH29A	19								
1250	↓	↓	↓	BH30A	20	↓	↓			↓			

Analysis and Method

Additional Instructions: Please email results to: amber_griffin@eogresources.com; chase_settle@eogresources.com; jt.murrey@ghd.com; liam.giersdorf@ghd.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Liam Giersdorf

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Liam Giersdorf	11/5	0800	Michelle R Gaynda	11-5-22	0800
Michelle R Gaynda	11-15-22	1600	Caitlin Christian	11/16/22	10:45
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
Received on ice: (Y) N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Envirotech Analytical Laboratory

Printed: 11/16/2022 11:18:25AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	GHD	Date Received:	11/16/22 10:45	Work Order ID:	E211086
Phone:	(505) 884-0672	Date Logged In:	11/16/22 09:13	Logged In By:	Caitlin Christian
Email:	nate.reece@ghd.com	Due Date:	11/22/22 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: UPS
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	No	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: na

Comments/Resolution

Project has been separated into 2 reports due to sample volume. Workorders are as follows: E211086 & E211087.

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

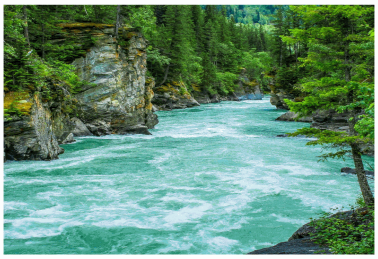
Date

envirotech Inc.

Report to:

Nate Reece









5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

NELAP ACCREDITED TNI LABORATORY

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

GHD

Project Name:	Robinson 12574110
Work Order:	E211087
Job Number:	19034-0001
Received:	11/16/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/22/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 11/22/22

Nate Reece
6121 Indian School Rd. NE #200
Albuquerque, NM 87110

Project Name: Robinson 12574110
Workorder: E211087
Date Received: 11/16/2022 10:45:00AM

Nate Reece,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/16/2022 10:45:00AM, under the Project Name: Robinson 12574110.

The analytical test results summarized in this report with the Project Name: Robinson 12574110 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

GHD	Project Name:	Robinson 12574110	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/22 15:49

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH31A	E211087-01A	Soil	11/14/22	11/16/22	Glass Jar, 4 oz.
BH32A	E211087-02A	Soil	11/14/22	11/16/22	Glass Jar, 4 oz.
BH33A	E211087-03A	Soil	11/14/22	11/16/22	Glass Jar, 4 oz.
BH34A	E211087-04A	Soil	11/14/22	11/16/22	Glass Jar, 4 oz.
BH49A	E211087-05A	Soil	11/14/22	11/16/22	Glass Jar, 4 oz.
BH50A	E211087-06A	Soil	11/14/22	11/16/22	Glass Jar, 4 oz.
BH51A	E211087-07A	Soil	11/14/22	11/16/22	Glass Jar, 4 oz.
BH77	E211087-08A	Soil	11/14/22	11/16/22	Glass Jar, 4 oz.
BH78	E211087-09A	Soil	11/14/22	11/16/22	Glass Jar, 4 oz.
BH79	E211087-10A	Soil	11/14/22	11/16/22	Glass Jar, 4 oz.
BH80	E211087-11A	Soil	11/14/22	11/16/22	Glass Jar, 4 oz.
BH81	E211087-12A	Soil	11/14/22	11/16/22	Glass Jar, 4 oz.
BH24A	E211087-13A	Soil	11/14/22	11/16/22	Glass Jar, 4 oz.
BH52A	E211087-14A	Soil	11/14/22	11/16/22	Glass Jar, 4 oz.
BH55A	E211087-15A	Soil	11/14/22	11/16/22	Glass Jar, 4 oz.

Sample Data

GHD	Project Name:	Robinson 12574110	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 3:49:24PM

BH31A

E211087-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2247052
Benzene	ND	0.0250	1	11/16/22	11/17/22	
Ethylbenzene	**0.0625**	0.0250	1	11/16/22	11/17/22	
Toluene	ND	0.0250	1	11/16/22	11/17/22	
o-Xylene	ND	0.0250	1	11/16/22	11/17/22	
p,m-Xylene	ND	0.0500	1	11/16/22	11/17/22	
Total Xylenes	ND	0.0250	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*99.8 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*98.9 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*98.2 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2247052
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*99.8 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*98.9 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*98.2 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2247049
Diesel Range Organics (C10-C28)	**2330**	250	10	11/16/22	11/22/22	
Oil Range Organics (C28-C36)	**1170**	500	10	11/16/22	11/22/22	
Surrogate: n-Nonane		*95.4 %*	*50-200*	*11/16/22*	*11/22/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2248009
Chloride	**288**	20.0	1	11/21/22	11/22/22	

Sample Data

GHD	Project Name:	Robinson 12574110	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 3:49:24PM

BH32A

E211087-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2247052
Benzene	ND	0.0250	1	11/16/22	11/17/22	
Ethylbenzene	ND	0.0250	1	11/16/22	11/17/22	
Toluene	ND	0.0250	1	11/16/22	11/17/22	
o-Xylene	ND	0.0250	1	11/16/22	11/17/22	
p,m-Xylene	ND	0.0500	1	11/16/22	11/17/22	
Total Xylenes	ND	0.0250	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*98.5 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*99.4 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2247052
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*98.5 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*99.4 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2247049
Diesel Range Organics (C10-C28)	**1140**	125	5	11/16/22	11/21/22	
Oil Range Organics (C28-C36)	**549**	250	5	11/16/22	11/21/22	
Surrogate: n-Nonane		*102 %*	*50-200*	*11/16/22*	*11/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2248009
Chloride	**243**	20.0	1	11/21/22	11/22/22	

Sample Data

GHD	Project Name:	Robinson 12574110	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 3:49:24PM

BH33A

E211087-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2247052
Benzene	ND	0.0250	1	11/16/22	11/17/22	
Ethylbenzene	ND	0.0250	1	11/16/22	11/17/22	
Toluene	ND	0.0250	1	11/16/22	11/17/22	
o-Xylene	ND	0.0250	1	11/16/22	11/17/22	
p,m-Xylene	ND	0.0500	1	11/16/22	11/17/22	
Total Xylenes	ND	0.0250	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*99.4 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*99.7 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2247052
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*99.4 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*99.7 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2247049
Diesel Range Organics (C10-C28)	**1110**	125	5	11/16/22	11/22/22	
Oil Range Organics (C28-C36)	**520**	250	5	11/16/22	11/22/22	
Surrogate: n-Nonane		*105 %*	*50-200*	*11/16/22*	*11/22/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2248009
Chloride	**282**	20.0	1	11/21/22	11/22/22	

Sample Data

GHD	Project Name:	Robinson 12574110	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 3:49:24PM

BH34A

E211087-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2247052
Benzene	ND	0.0250	1	11/16/22	11/17/22	
Ethylbenzene	ND	0.0250	1	11/16/22	11/17/22	
Toluene	ND	0.0250	1	11/16/22	11/17/22	
o-Xylene	ND	0.0250	1	11/16/22	11/17/22	
p,m-Xylene	ND	0.0500	1	11/16/22	11/17/22	
Total Xylenes	ND	0.0250	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*99.8 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*99.3 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2247052
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*99.8 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*99.3 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2247049
Diesel Range Organics (C10-C28)	**674**	50.0	2	11/16/22	11/21/22	
Oil Range Organics (C28-C36)	**361**	100	2	11/16/22	11/21/22	
Surrogate: n-Nonane		*103 %*	*50-200*	*11/16/22*	*11/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2248009
Chloride	**278**	20.0	1	11/21/22	11/22/22	

Sample Data

GHD	Project Name:	Robinson 12574110	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 3:49:24PM

BH49A

E211087-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2247052
Benzene	ND	0.0250	1	11/16/22	11/17/22	
Ethylbenzene	**0.990**	0.0250	1	11/16/22	11/17/22	
Toluene	ND	0.0250	1	11/16/22	11/17/22	
o-Xylene	**0.356**	0.0250	1	11/16/22	11/17/22	
p,m-Xylene	**1.16**	0.0500	1	11/16/22	11/17/22	
Total Xylenes	**1.52**	0.0250	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*98.5 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2247052
Gasoline Range Organics (C6-C10)	**43.8**	20.0	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*98.5 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2247049
Diesel Range Organics (C10-C28)	**2370**	250	10	11/16/22	11/22/22	
Oil Range Organics (C28-C36)	**1130**	500	10	11/16/22	11/22/22	
Surrogate: n-Nonane		*106 %*	*50-200*	*11/16/22*	*11/22/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2248009
Chloride	**358**	20.0	1	11/21/22	11/22/22	

Sample Data

GHD	Project Name:	Robinson 12574110	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 3:49:24PM

BH50A

E211087-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2247052
Benzene	ND	0.0250	1	11/16/22	11/17/22	
Ethylbenzene	ND	0.0250	1	11/16/22	11/17/22	
Toluene	ND	0.0250	1	11/16/22	11/17/22	
o-Xylene	ND	0.0250	1	11/16/22	11/17/22	
p,m-Xylene	ND	0.0500	1	11/16/22	11/17/22	
Total Xylenes	ND	0.0250	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*99.7 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*99.5 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*98.8 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2247052
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*99.7 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*99.5 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*98.8 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2247049
Diesel Range Organics (C10-C28)	**702**	50.0	2	11/16/22	11/21/22	
Oil Range Organics (C28-C36)	**380**	100	2	11/16/22	11/21/22	
Surrogate: n-Nonane		*107 %*	*50-200*	*11/16/22*	*11/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2248009
Chloride	**354**	20.0	1	11/21/22	11/22/22	

Sample Data

GHD	Project Name:	Robinson 12574110	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 3:49:24PM

BH51A

E211087-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2247052
Benzene	ND	0.0250	1	11/16/22	11/17/22	
Ethylbenzene	ND	0.0250	1	11/16/22	11/17/22	
Toluene	ND	0.0250	1	11/16/22	11/17/22	
o-Xylene	ND	0.0250	1	11/16/22	11/17/22	
p,m-Xylene	ND	0.0500	1	11/16/22	11/17/22	
Total Xylenes	ND	0.0250	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*98.0 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*98.5 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2247052
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*98.0 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*98.5 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2247049
Diesel Range Organics (C10-C28)	**1400**	125	5	11/16/22	11/22/22	
Oil Range Organics (C28-C36)	**704**	250	5	11/16/22	11/22/22	
Surrogate: n-Nonane		*101 %*	*50-200*	*11/16/22*	*11/22/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2248009
Chloride	**302**	20.0	1	11/21/22	11/22/22	

Sample Data

GHD	Project Name:	Robinson 12574110	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 3:49:24PM

BH77

E211087-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2247052
Benzene	ND	0.0250	1	11/16/22	11/17/22	
Ethylbenzene	ND	0.0250	1	11/16/22	11/17/22	
Toluene	ND	0.0250	1	11/16/22	11/17/22	
o-Xylene	ND	0.0250	1	11/16/22	11/17/22	
p,m-Xylene	ND	0.0500	1	11/16/22	11/17/22	
Total Xylenes	ND	0.0250	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*97.7 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*99.6 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2247052
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*97.7 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*99.6 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2247049
Diesel Range Organics (C10-C28)	**449**	50.0	2	11/16/22	11/21/22	
Oil Range Organics (C28-C36)	**259**	100	2	11/16/22	11/21/22	
Surrogate: n-Nonane		*104 %*	*50-200*	*11/16/22*	*11/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2248009
Chloride	**284**	20.0	1	11/21/22	11/22/22	

Sample Data

GHD	Project Name:	Robinson 12574110	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 3:49:24PM

BH78

E211087-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2247052
Benzene	ND	0.0250	1	11/16/22	11/17/22	
Ethylbenzene	ND	0.0250	1	11/16/22	11/17/22	
Toluene	ND	0.0250	1	11/16/22	11/17/22	
o-Xylene	ND	0.0250	1	11/16/22	11/17/22	
p,m-Xylene	ND	0.0500	1	11/16/22	11/17/22	
Total Xylenes	ND	0.0250	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*95.0 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2247052
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*95.0 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2247049
Diesel Range Organics (C10-C28)	**474**	50.0	2	11/16/22	11/21/22	
Oil Range Organics (C28-C36)	**261**	100	2	11/16/22	11/21/22	
Surrogate: n-Nonane		*110 %*	*50-200*	*11/16/22*	*11/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2248009
Chloride	**465**	20.0	1	11/21/22	11/22/22	

Sample Data

GHD	Project Name:	Robinson 12574110	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 3:49:24PM

BH79

E211087-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2247052
Benzene	ND	0.0250	1	11/16/22	11/17/22	
Ethylbenzene	ND	0.0250	1	11/16/22	11/17/22	
Toluene	ND	0.0250	1	11/16/22	11/17/22	
o-Xylene	ND	0.0250	1	11/16/22	11/17/22	
p,m-Xylene	ND	0.0500	1	11/16/22	11/17/22	
Total Xylenes	ND	0.0250	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*99.2 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*98.7 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*99.1 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2247052
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*99.2 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*98.7 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*99.1 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2247049
Diesel Range Organics (C10-C28)	**157**	25.0	1	11/16/22	11/21/22	
Oil Range Organics (C28-C36)	**75.4**	50.0	1	11/16/22	11/21/22	
Surrogate: n-Nonane		*106 %*	*50-200*	*11/16/22*	*11/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2248009
Chloride	**398**	20.0	1	11/21/22	11/22/22	

Sample Data

GHD	Project Name:	Robinson 12574110	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 3:49:24PM

BH80

E211087-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2247052
Benzene	ND	0.0250	1	11/16/22	11/17/22	
Ethylbenzene	ND	0.0250	1	11/16/22	11/17/22	
Toluene	ND	0.0250	1	11/16/22	11/17/22	
o-Xylene	ND	0.0250	1	11/16/22	11/17/22	
p,m-Xylene	ND	0.0500	1	11/16/22	11/17/22	
Total Xylenes	ND	0.0250	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*98.7 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*96.3 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*99.6 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2247052
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*98.7 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*96.3 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*99.6 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2247049
Diesel Range Organics (C10-C28)	**345**	50.0	2	11/16/22	11/21/22	
Oil Range Organics (C28-C36)	**237**	100	2	11/16/22	11/21/22	
Surrogate: n-Nonane		*107 %*	*50-200*	*11/16/22*	*11/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2248009
Chloride	**369**	20.0	1	11/21/22	11/22/22	

Sample Data

GHD	Project Name:	Robinson 12574110	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 3:49:24PM

BH81

E211087-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2247052
Benzene	ND	0.0250	1	11/16/22	11/17/22	
Ethylbenzene	ND	0.0250	1	11/16/22	11/17/22	
Toluene	ND	0.0250	1	11/16/22	11/17/22	
o-Xylene	ND	0.0250	1	11/16/22	11/17/22	
p,m-Xylene	ND	0.0500	1	11/16/22	11/17/22	
Total Xylenes	ND	0.0250	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2247052
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2247049
Diesel Range Organics (C10-C28)	**1150**	250	10	11/16/22	11/22/22	
Oil Range Organics (C28-C36)	**667**	500	10	11/16/22	11/22/22	
Surrogate: n-Nonane		*97.1 %*	*50-200*	*11/16/22*	*11/22/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2248009
Chloride	**388**	20.0	1	11/21/22	11/22/22	

Sample Data

GHD	Project Name:	Robinson 12574110	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 3:49:24PM

BH24A

E211087-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2247052
Benzene	ND	0.0250	1	11/16/22	11/17/22	
Ethylbenzene	ND	0.0250	1	11/16/22	11/17/22	
Toluene	ND	0.0250	1	11/16/22	11/17/22	
o-Xylene	ND	0.0250	1	11/16/22	11/17/22	
p,m-Xylene	ND	0.0500	1	11/16/22	11/17/22	
Total Xylenes	ND	0.0250	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*99.4 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*98.3 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*99.9 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2247052
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/22	11/17/22	
Surrogate: Bromofluorobenzene		*99.4 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*98.3 %*	*70-130*	*11/16/22*	*11/17/22*	
Surrogate: Toluene-d8		*99.9 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2247049
Diesel Range Organics (C10-C28)	**662**	125	5	11/16/22	11/22/22	
Oil Range Organics (C28-C36)	**412**	250	5	11/16/22	11/22/22	
Surrogate: n-Nonane		*106 %*	*50-200*	*11/16/22*	*11/22/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2248009
Chloride	**404**	20.0	1	11/21/22	11/22/22	

Sample Data

GHD	Project Name:	Robinson 12574110	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 3:49:24PM

BH52A

E211087-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2247052
Benzene	ND	0.0250	1	11/16/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/16/22	11/18/22	
Toluene	ND	0.0250	1	11/16/22	11/18/22	
o-Xylene	ND	0.0250	1	11/16/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/16/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/16/22	11/18/22	
Surrogate: Bromofluorobenzene		*98.2 %*	*70-130*	*11/16/22*	*11/18/22*	
Surrogate: 1,2-Dichloroethane-d4		*96.6 %*	*70-130*	*11/16/22*	*11/18/22*	
Surrogate: Toluene-d8		*99.8 %*	*70-130*	*11/16/22*	*11/18/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2247052
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/22	11/18/22	
Surrogate: Bromofluorobenzene		*98.2 %*	*70-130*	*11/16/22*	*11/18/22*	
Surrogate: 1,2-Dichloroethane-d4		*96.6 %*	*70-130*	*11/16/22*	*11/18/22*	
Surrogate: Toluene-d8		*99.8 %*	*70-130*	*11/16/22*	*11/18/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2247049
Diesel Range Organics (C10-C28)	**1470**	250	10	11/16/22	11/22/22	
Oil Range Organics (C28-C36)	**693**	500	10	11/16/22	11/22/22	
Surrogate: n-Nonane		*97.5 %*	*50-200*	*11/16/22*	*11/22/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2248009
Chloride	**459**	20.0	1	11/21/22	11/22/22	

Sample Data

GHD	Project Name:	Robinson 12574110	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 3:49:24PM

BH55A

E211087-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2247052
Benzene	ND	0.0250	1	11/16/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/16/22	11/18/22	
Toluene	ND	0.0250	1	11/16/22	11/18/22	
o-Xylene	ND	0.0250	1	11/16/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/16/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/16/22	11/18/22	
Surrogate: Bromofluorobenzene		*99.7 %*	*70-130*	*11/16/22*	*11/18/22*	
Surrogate: 1,2-Dichloroethane-d4		*95.1 %*	*70-130*	*11/16/22*	*11/18/22*	
Surrogate: Toluene-d8		*99.0 %*	*70-130*	*11/16/22*	*11/18/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2247052
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/22	11/18/22	
Surrogate: Bromofluorobenzene		*99.7 %*	*70-130*	*11/16/22*	*11/18/22*	
Surrogate: 1,2-Dichloroethane-d4		*95.1 %*	*70-130*	*11/16/22*	*11/18/22*	
Surrogate: Toluene-d8		*99.0 %*	*70-130*	*11/16/22*	*11/18/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2247049
Diesel Range Organics (C10-C28)	**210**	25.0	1	11/16/22	11/21/22	
Oil Range Organics (C28-C36)	**124**	50.0	1	11/16/22	11/21/22	
Surrogate: n-Nonane		*106 %*	*50-200*	*11/16/22*	*11/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2248009
Chloride	**731**	20.0	1	11/21/22	11/22/22	

QC Summary Data

GHD	Project Name:	Robinson 12574110	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 3:49:24PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2247052-BLK1)									Prepared: 11/16/22 Analyzed: 11/17/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.493*		*0.500*		*98.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.485*		*0.500*		*96.9*	*70-130*			
Surrogate: Toluene-d8	*0.506*		*0.500*		*101*	*70-130*			
LCS (2247052-BS1)									Prepared: 11/16/22 Analyzed: 11/17/22
Benzene	2.19	0.0250	2.50		87.6	70-130			
Ethylbenzene	2.16	0.0250	2.50		86.3	70-130			
Toluene	2.19	0.0250	2.50		87.6	70-130			
o-Xylene	2.28	0.0250	2.50		91.1	70-130			
p,m-Xylene	4.36	0.0500	5.00		87.3	70-130			
Total Xylenes	6.64	0.0250	7.50		88.6	70-130			
Surrogate: Bromofluorobenzene	*0.515*		*0.500*		*103*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.490*		*0.500*		*97.9*	*70-130*			
Surrogate: Toluene-d8	*0.501*		*0.500*		*100*	*70-130*			
Matrix Spike (2247052-MS1)				**Source: E211087-09**					Prepared: 11/16/22 Analyzed: 11/17/22
Benzene	2.13	0.0250	2.50	ND	85.2	48-131			
Ethylbenzene	2.09	0.0250	2.50	ND	83.6	45-135			
Toluene	2.12	0.0250	2.50	ND	84.8	48-130			
o-Xylene	2.21	0.0250	2.50	ND	88.4	43-135			
p,m-Xylene	4.23	0.0500	5.00	ND	84.5	43-135			
Total Xylenes	6.44	0.0250	7.50	ND	85.8	43-135			
Surrogate: Bromofluorobenzene	*0.505*		*0.500*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.493*		*0.500*		*98.5*	*70-130*			
Surrogate: Toluene-d8	*0.494*		*0.500*		*98.7*	*70-130*			
Matrix Spike Dup (2247052-MSD1)				**Source: E211087-09**					Prepared: 11/16/22 Analyzed: 11/17/22
Benzene	2.35	0.0250	2.50	ND	93.9	48-131	9.78	23	
Ethylbenzene	2.34	0.0250	2.50	ND	93.4	45-135	11.1	27	
Toluene	2.36	0.0250	2.50	ND	94.2	48-130	10.5	24	
o-Xylene	2.48	0.0250	2.50	ND	99.1	43-135	11.4	27	
p,m-Xylene	4.72	0.0500	5.00	ND	94.5	43-135	11.1	27	
Total Xylenes	7.20	0.0250	7.50	ND	96.0	43-135	11.2	27	
Surrogate: Bromofluorobenzene	*0.503*		*0.500*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.495*		*0.500*		*98.9*	*70-130*			
Surrogate: Toluene-d8	*0.499*		*0.500*		*99.8*	*70-130*			

QC Summary Data

GHD	Project Name:	Robinson 12574110	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 3:49:24PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2247052-BLK1)									Prepared: 11/16/22 Analyzed: 11/17/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.493*		*0.500*		*98.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.485*		*0.500*		*96.9*	*70-130*			
Surrogate: Toluene-d8	*0.506*		*0.500*		*101*	*70-130*			
LCS (2247052-BS2)									Prepared: 11/16/22 Analyzed: 11/17/22
Gasoline Range Organics (C6-C10)	42.1	20.0	50.0		84.1	70-130			
Surrogate: Bromofluorobenzene	*0.504*		*0.500*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.490*		*0.500*		*98.0*	*70-130*			
Surrogate: Toluene-d8	*0.496*		*0.500*		*99.2*	*70-130*			
Matrix Spike (2247052-MS2)				**Source: E211087-09**					Prepared: 11/16/22 Analyzed: 11/17/22
Gasoline Range Organics (C6-C10)	41.2	20.0	50.0	ND	82.4	70-130			
Surrogate: Bromofluorobenzene	*0.497*		*0.500*		*99.3*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.507*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.495*		*0.500*		*98.9*	*70-130*			
Matrix Spike Dup (2247052-MSD2)				**Source: E211087-09**					Prepared: 11/16/22 Analyzed: 11/17/22
Gasoline Range Organics (C6-C10)	45.2	20.0	50.0	ND	90.5	70-130	9.36	20	
Surrogate: Bromofluorobenzene	*0.496*		*0.500*		*99.1*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.491*		*0.500*		*98.1*	*70-130*			
Surrogate: Toluene-d8	*0.490*		*0.500*		*97.9*	*70-130*			

QC Summary Data

GHD	Project Name:	Robinson 12574110	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 3:49:24PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2247049-BLK1)									Prepared: 11/16/22 Analyzed: 11/21/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*58.5*		*50.0*		*117*	*50-200*			
LCS (2247049-BS1)									Prepared: 11/16/22 Analyzed: 11/21/22
Diesel Range Organics (C10-C28)	267	25.0	250		107	38-132			
Surrogate: n-Nonane	*51.7*		*50.0*		*103*	*50-200*			
LCS Dup (2247049-BSD1)									Prepared: 11/16/22 Analyzed: 11/22/22
Diesel Range Organics (C10-C28)	272	25.0	250		109	38-132	1.88	20	
Surrogate: n-Nonane	*55.4*		*50.0*		*111*	*50-200*			

QC Summary Data

GHD	Project Name:	Robinson 12574110	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 3:49:24PM

Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2248009-BLK1)									Prepared: 11/21/22 Analyzed: 11/22/22
Chloride	ND	20.0							
LCS (2248009-BS1)									Prepared: 11/21/22 Analyzed: 11/22/22
Chloride	246	20.0	250		98.2	90-110			
Matrix Spike (2248009-MS1)				**Source: E211087-01**					Prepared: 11/21/22 Analyzed: 11/22/22
Chloride	549	20.0	250	288	104	80-120			
Matrix Spike Dup (2248009-MSD1)				**Source: E211087-01**					Prepared: 11/21/22 Analyzed: 11/22/22
Chloride	554	20.0	250	288	106	80-120	0.967	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

GHD	Project Name:	Robinson 12574110	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/22 15:49

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 1/17/2023 10:41:10 AM
Received by OCD: 12/19/2022 1:41:21 PM

Project Information | Chain of Custody | Page 3 of 4

Client: GHD	**Bill To**
Project: Robinson 12574160	Attention: EOG Amber Griffin
Project Manager: Nate Reece / JT Murrey	Address: 1045 4th St.
Address:6121 Indian School Rd. NE St. 200	City, State, Zip: Artesia, NM 88210
City, State, Zip: Albuquerque, NM 87110	Phone:
Phone:(281)386-7158	Email: amber_griffin@eogresources.com
Email: nate.reece@ghd.com	
Report due by:	

Lab Use Only		TAT				EPA Program	
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
E211087	19034-0001				✓		
							RCRA

State					
NM	CO	UT	AZ	TX	
✓					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
1255	11/4	S	1	BH31A	1	X	X			X			
1300				BH32A	2								
1305				BH33A	3								
1310				BH34A	4								
1315				BH49A	5								
1320				BH50A	6								
1325				BH51A	7								
1330				BH77	8								
1335				BH78	9								
1340				BH79	10								

Additional Instructions: **Please email results to: amber_griffin@eogresources.com; chase_settle@eogresources.com; jt.murrey@ghd.com; liam.giersdorf@ghd.com**

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Liam Giersdorf

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Liam Giersdorf	11/5	0800	Michelle R. Gu	11-5-22	0800
Michelle R Gu	11-5-22	1600		11/16/22	10:45
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other _____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Released to Imaging: 1/17/2023 10:41:10 AM
Received by OCD: 12/19/2022 1:41:21 PM

Project Information | Chain of Custody | Page 4 of 4

Client: GHD	**Bill To**
Project: 12574110 Robinson	Attention: EOG Amber Griffin
Project Manager: Nate Reece / JT Murrey	Address: 1045 4th St.
Address:6121 Indian School Rd. NE St. 200	City, State, Zip: Artesia, NM 88210
City, State, Zip: Albuquerque, NM 87110	Phone:
Phone:(281)386-7158	Email: amber_griffin@eogresources.com
Email: nate.reece@ghd.com	
Report due by:	

Lab Use Only

Lab WO#	Job Number
E211087	19034-0001

TAT

1D	2D	3D	Standard
			✓

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX	
✓					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
1300	11/4	S	1	BH80	11	X	X			X			
1310				BH81	12								
1355				BH24A	13								
1400				BH52A	14								
1405				BH55A	15								

Analysis and Method

Additional Instructions: Please email results to: amber_griffin@eogresources.com; chase_settle@eogresources.com; jt.murrey@ghd.com; liam.giersdorf@ghd.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Liam Giersdorf

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Liam Giersdorf	11/5	0800	Michelle R. Gaylo	11-5-22	0800
Michelle R. Gaylo	11-5-22	1600		11/6/22	10:45
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other _____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Envirotech Analytical Laboratory

Printed: 11/16/2022 11:22:49AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	GHD	Date Received:	11/16/22 10:45	Work Order ID:	E211087
Phone:	(505) 884-0672	Date Logged In:	11/16/22 09:14	Logged In By:	Caitlin Christian
Email:	nate.reece@ghd.com	Due Date:	11/22/22 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes
2. Does the number of samples per sampling site location match the COC	Yes
3. Were samples dropped off by client or carrier?	Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes

Carrier: UPS

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filteration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No
29. Was a subcontract laboratory specified by the client and if so who?	NA

Subcontract Lab: na

Comments/Resolution

Project has been separated into 2 reports due to sample volume. Workorders are as follows: E211086 & E211087.

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

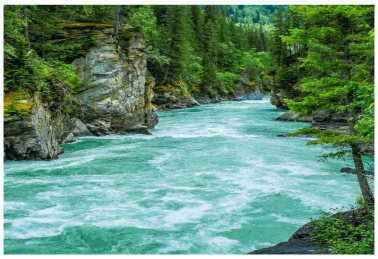
Date

envirotech Inc.

Report to:

Nate Reece









5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

NELAP ACCREDITED TNI LABORATORY

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Practical Solutions for a Better Tomorrow

Analytical Report

GHD

Project Name: 12574110 Robinson

Work Order: E211124

Job Number: 19034-0001

Received: 11/21/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/22/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 11/22/22

Nate Reece
6121 Indian School Rd. NE #200
Albuquerque, NM 87110

Project Name: 12574110 Robinson
Workorder: E211124
Date Received: 11/21/2022 8:49:00AM

Nate Reece,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/21/2022 8:49:00AM, under the Project Name: 12574110 Robinson.

The analytical test results summarized in this report with the Project Name: 12574110 Robinson apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

GHD	Project Name:	12574110 Robinson	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/22 16:10

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH1A	E211124-01A	Soil	11/17/22	11/21/22	Glass Jar, 2 oz.
BH11B	E211124-02A	Soil	11/17/22	11/21/22	Glass Jar, 2 oz.
BH12B	E211124-03A	Soil	11/17/22	11/21/22	Glass Jar, 2 oz.
BH13B	E211124-04A	Soil	11/17/22	11/21/22	Glass Jar, 2 oz.
BH14B	E211124-05A	Soil	11/17/22	11/21/22	Glass Jar, 2 oz.
BH15B	E211124-06A	Soil	11/17/22	11/21/22	Glass Jar, 2 oz.
BH17B	E211124-07A	Soil	11/17/22	11/21/22	Glass Jar, 2 oz.
BH19B	E211124-08A	Soil	11/17/22	11/21/22	Glass Jar, 2 oz.
BH21B	E211124-09A	Soil	11/17/22	11/21/22	Glass Jar, 2 oz.
BH5B	E211124-10A	Soil	11/17/22	11/21/22	Glass Jar, 2 oz.
BH39B	E211124-11A	Soil	11/17/22	11/21/22	Glass Jar, 2 oz.
BH41B	E211124-12A	Soil	11/17/22	11/21/22	Glass Jar, 2 oz.
BH46B	E211124-13A	Soil	11/17/22	11/21/22	Glass Jar, 2 oz.
BH47B	E211124-14A	Soil	11/17/22	11/21/22	Glass Jar, 2 oz.
BH48B	E211124-15A	Soil	11/17/22	11/21/22	Glass Jar, 2 oz.
SW22B	E211124-16A	Soil	11/17/22	11/21/22	Glass Jar, 2 oz.
SW28B	E211124-17A	Soil	11/17/22	11/21/22	Glass Jar, 2 oz.
SW29B	E211124-18A	Soil	11/17/22	11/21/22	Glass Jar, 2 oz.

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 4:10:04PM

BH1A

E211124-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2248016
Benzene	ND	0.250	10	11/21/22	11/21/22	
Ethylbenzene	**1.50**	0.250	10	11/21/22	11/21/22	
Toluene	ND	0.250	10	11/21/22	11/21/22	
o-Xylene	**1.08**	0.250	10	11/21/22	11/21/22	
p,m-Xylene	**1.98**	0.500	10	11/21/22	11/21/22	
Total Xylenes	**3.06**	0.250	10	11/21/22	11/21/22	
Surrogate: Bromofluorobenzene		*99.9 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*112 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: Toluene-d8		*95.7 %*	*70-130*	*11/21/22*	*11/21/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2248016
Gasoline Range Organics (C6-C10)	ND	200	10	11/21/22	11/21/22	
Surrogate: Bromofluorobenzene		*99.9 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*112 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: Toluene-d8		*95.7 %*	*70-130*	*11/21/22*	*11/21/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2248023
Diesel Range Organics (C10-C28)	**1950**	250	10	11/21/22	11/21/22	
Oil Range Organics (C28-C36)	**683**	500	10	11/21/22	11/21/22	
Surrogate: n-Nonane		*80.8 %*	*50-200*	*11/21/22*	*11/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2248019
Chloride	**311**	20.0	1	11/21/22	11/21/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 4:10:04PM

BH11B

E211124-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2248016
Benzene	ND	0.0250	1	11/21/22	11/21/22	
Ethylbenzene	ND	0.0250	1	11/21/22	11/21/22	
Toluene	ND	0.0250	1	11/21/22	11/21/22	
o-Xylene	ND	0.0250	1	11/21/22	11/21/22	
p,m-Xylene	ND	0.0500	1	11/21/22	11/21/22	
Total Xylenes	ND	0.0250	1	11/21/22	11/21/22	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*107 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: Toluene-d8		*99.1 %*	*70-130*	*11/21/22*	*11/21/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2248016
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/21/22	11/21/22	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*107 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: Toluene-d8		*99.1 %*	*70-130*	*11/21/22*	*11/21/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2248023
Diesel Range Organics (C10-C28)	**338**	125	5	11/21/22	11/21/22	
Oil Range Organics (C28-C36)	**282**	250	5	11/21/22	11/21/22	
Surrogate: n-Nonane		*75.7 %*	*50-200*	*11/21/22*	*11/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2248019
Chloride	**169**	20.0	1	11/21/22	11/21/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 4:10:04PM

BH12B

E211124-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2248016
Benzene	ND	0.0250	1	11/21/22	11/21/22	
Ethylbenzene	ND	0.0250	1	11/21/22	11/21/22	
Toluene	ND	0.0250	1	11/21/22	11/21/22	
o-Xylene	ND	0.0250	1	11/21/22	11/21/22	
p,m-Xylene	ND	0.0500	1	11/21/22	11/21/22	
Total Xylenes	ND	0.0250	1	11/21/22	11/21/22	
Surrogate: Bromofluorobenzene		*98.7 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*111 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: Toluene-d8		*99.4 %*	*70-130*	*11/21/22*	*11/21/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2248016
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/21/22	11/21/22	
Surrogate: Bromofluorobenzene		*98.7 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*111 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: Toluene-d8		*99.4 %*	*70-130*	*11/21/22*	*11/21/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2248023
Diesel Range Organics (C10-C28)	**222**	25.0	1	11/21/22	11/21/22	
Oil Range Organics (C28-C36)	**141**	50.0	1	11/21/22	11/21/22	
Surrogate: n-Nonane		*84.3 %*	*50-200*	*11/21/22*	*11/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2248019
Chloride	**135**	20.0	1	11/21/22	11/21/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 4:10:04PM

BH13B

E211124-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2248016
Benzene	ND	0.0250	1	11/21/22	11/21/22	
Ethylbenzene	ND	0.0250	1	11/21/22	11/21/22	
Toluene	ND	0.0250	1	11/21/22	11/21/22	
o-Xylene	ND	0.0250	1	11/21/22	11/21/22	
p,m-Xylene	ND	0.0500	1	11/21/22	11/21/22	
Total Xylenes	ND	0.0250	1	11/21/22	11/21/22	
Surrogate: Bromofluorobenzene		*99.0 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: Toluene-d8		*97.9 %*	*70-130*	*11/21/22*	*11/21/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2248016
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/21/22	11/21/22	
Surrogate: Bromofluorobenzene		*99.0 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: Toluene-d8		*97.9 %*	*70-130*	*11/21/22*	*11/21/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2248023
Diesel Range Organics (C10-C28)	ND	25.0	1	11/21/22	11/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/21/22	11/21/22	
Surrogate: n-Nonane		*80.1 %*	*50-200*	*11/21/22*	*11/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2248019
Chloride	**23.4**	20.0	1	11/21/22	11/21/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 4:10:04PM

BH14B

E211124-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2248016
Benzene	ND	0.0250	1	11/21/22	11/21/22	
Ethylbenzene	ND	0.0250	1	11/21/22	11/21/22	
Toluene	ND	0.0250	1	11/21/22	11/21/22	
o-Xylene	ND	0.0250	1	11/21/22	11/21/22	
p,m-Xylene	ND	0.0500	1	11/21/22	11/21/22	
Total Xylenes	ND	0.0250	1	11/21/22	11/21/22	
Surrogate: Bromofluorobenzene		*99.2 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*98.0 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*11/21/22*	*11/21/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2248016
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/21/22	11/21/22	
Surrogate: Bromofluorobenzene		*99.2 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*98.0 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*11/21/22*	*11/21/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2248023
Diesel Range Organics (C10-C28)	ND	25.0	1	11/21/22	11/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/21/22	11/21/22	
Surrogate: n-Nonane		*82.7 %*	*50-200*	*11/21/22*	*11/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2248019
Chloride	**85.9**	20.0	1	11/21/22	11/21/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 4:10:04PM

BH15B

E211124-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2248016
Benzene	ND	0.0250	1	11/21/22	11/21/22	
Ethylbenzene	ND	0.0250	1	11/21/22	11/21/22	
Toluene	ND	0.0250	1	11/21/22	11/21/22	
o-Xylene	ND	0.0250	1	11/21/22	11/21/22	
p,m-Xylene	ND	0.0500	1	11/21/22	11/21/22	
Total Xylenes	ND	0.0250	1	11/21/22	11/21/22	
Surrogate: Bromofluorobenzene		*97.5 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*94.3 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*11/21/22*	*11/21/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2248016
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/21/22	11/21/22	
Surrogate: Bromofluorobenzene		*97.5 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*94.3 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*11/21/22*	*11/21/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2248023
Diesel Range Organics (C10-C28)	ND	25.0	1	11/21/22	11/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/21/22	11/21/22	
Surrogate: n-Nonane		*81.2 %*	*50-200*	*11/21/22*	*11/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2248019
Chloride	**24.4**	20.0	1	11/21/22	11/21/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 4:10:04PM

BH17B

E211124-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2248016
Benzene	ND	0.0250	1	11/21/22	11/21/22	
Ethylbenzene	ND	0.0250	1	11/21/22	11/21/22	
Toluene	ND	0.0250	1	11/21/22	11/21/22	
o-Xylene	ND	0.0250	1	11/21/22	11/21/22	
p,m-Xylene	ND	0.0500	1	11/21/22	11/21/22	
Total Xylenes	ND	0.0250	1	11/21/22	11/21/22	
Surrogate: Bromofluorobenzene		*98.8 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*97.1 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*11/21/22*	*11/21/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2248016
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/21/22	11/21/22	
Surrogate: Bromofluorobenzene		*98.8 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*97.1 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*11/21/22*	*11/21/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2248023
Diesel Range Organics (C10-C28)	ND	25.0	1	11/21/22	11/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/21/22	11/21/22	
Surrogate: n-Nonane		*101 %*	*50-200*	*11/21/22*	*11/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2248019
Chloride	**55.3**	20.0	1	11/21/22	11/21/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 4:10:04PM

BH19B

E211124-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2248016
Benzene	ND	0.0250	1	11/21/22	11/21/22	
Ethylbenzene	ND	0.0250	1	11/21/22	11/21/22	
Toluene	ND	0.0250	1	11/21/22	11/21/22	
o-Xylene	ND	0.0250	1	11/21/22	11/21/22	
p,m-Xylene	ND	0.0500	1	11/21/22	11/21/22	
Total Xylenes	ND	0.0250	1	11/21/22	11/21/22	
Surrogate: Bromofluorobenzene		*97.7 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*94.7 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*11/21/22*	*11/21/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2248016
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/21/22	11/21/22	
Surrogate: Bromofluorobenzene		*97.7 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*94.7 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*11/21/22*	*11/21/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2248023
Diesel Range Organics (C10-C28)	**118**	50.0	2	11/21/22	11/21/22	
Oil Range Organics (C28-C36)	**118**	100	2	11/21/22	11/21/22	
Surrogate: n-Nonane		*101 %*	*50-200*	*11/21/22*	*11/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2248019
Chloride	**182**	20.0	1	11/21/22	11/21/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 4:10:04PM

BH21B

E211124-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2248016
Benzene	ND	0.0250	1	11/21/22	11/21/22	
Ethylbenzene	ND	0.0250	1	11/21/22	11/21/22	
Toluene	ND	0.0250	1	11/21/22	11/21/22	
o-Xylene	ND	0.0250	1	11/21/22	11/21/22	
p,m-Xylene	ND	0.0500	1	11/21/22	11/21/22	
Total Xylenes	ND	0.0250	1	11/21/22	11/21/22	
Surrogate: Bromofluorobenzene		*96.7 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*110 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*11/21/22*	*11/21/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2248016
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/21/22	11/21/22	
Surrogate: Bromofluorobenzene		*96.7 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*110 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*11/21/22*	*11/21/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2248023
Diesel Range Organics (C10-C28)	**309**	250	10	11/21/22	11/21/22	
Oil Range Organics (C28-C36)	ND	500	10	11/21/22	11/21/22	
Surrogate: n-Nonane		*87.7 %*	*50-200*	*11/21/22*	*11/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2248019
Chloride	**228**	20.0	1	11/21/22	11/21/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 4:10:04PM

BH5B

E211124-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2248016
Benzene	ND	0.0250	1	11/21/22	11/21/22	
Ethylbenzene	ND	0.0250	1	11/21/22	11/21/22	
Toluene	ND	0.0250	1	11/21/22	11/21/22	
o-Xylene	ND	0.0250	1	11/21/22	11/21/22	
p,m-Xylene	ND	0.0500	1	11/21/22	11/21/22	
Total Xylenes	ND	0.0250	1	11/21/22	11/21/22	
Surrogate: Bromofluorobenzene		*97.1 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*111 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: Toluene-d8		*98.7 %*	*70-130*	*11/21/22*	*11/21/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2248016
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/21/22	11/21/22	
Surrogate: Bromofluorobenzene		*97.1 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*111 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: Toluene-d8		*98.7 %*	*70-130*	*11/21/22*	*11/21/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2248023
Diesel Range Organics (C10-C28)	ND	25.0	1	11/21/22	11/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/21/22	11/21/22	
Surrogate: n-Nonane		*105 %*	*50-200*	*11/21/22*	*11/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2248019
Chloride	**166**	20.0	1	11/21/22	11/21/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 4:10:04PM

BH39B

E211124-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2248016
Benzene	ND	0.0250	1	11/21/22	11/21/22	
Ethylbenzene	ND	0.0250	1	11/21/22	11/21/22	
Toluene	ND	0.0250	1	11/21/22	11/21/22	
o-Xylene	ND	0.0250	1	11/21/22	11/21/22	
p,m-Xylene	ND	0.0500	1	11/21/22	11/21/22	
Total Xylenes	ND	0.0250	1	11/21/22	11/21/22	
Surrogate: Bromofluorobenzene		*96.6 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*109 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: Toluene-d8		*99.9 %*	*70-130*	*11/21/22*	*11/21/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2248016
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/21/22	11/21/22	
Surrogate: Bromofluorobenzene		*96.6 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*109 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: Toluene-d8		*99.9 %*	*70-130*	*11/21/22*	*11/21/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2248023
Diesel Range Organics (C10-C28)	**72.7**	25.0	1	11/21/22	11/21/22	
Oil Range Organics (C28-C36)	**50.0**	50.0	1	11/21/22	11/21/22	
Surrogate: n-Nonane		*102 %*	*50-200*	*11/21/22*	*11/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2248019
Chloride	**46.6**	20.0	1	11/21/22	11/21/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 4:10:04PM

BH41B

E211124-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2248016
Benzene	ND	0.0250	1	11/21/22	11/21/22	
Ethylbenzene	ND	0.0250	1	11/21/22	11/21/22	
Toluene	ND	0.0250	1	11/21/22	11/21/22	
o-Xylene	ND	0.0250	1	11/21/22	11/21/22	
p,m-Xylene	ND	0.0500	1	11/21/22	11/21/22	
Total Xylenes	ND	0.0250	1	11/21/22	11/21/22	
Surrogate: Bromofluorobenzene		*97.4 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*108 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: Toluene-d8		*98.8 %*	*70-130*	*11/21/22*	*11/21/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2248016
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/21/22	11/21/22	
Surrogate: Bromofluorobenzene		*97.4 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*108 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: Toluene-d8		*98.8 %*	*70-130*	*11/21/22*	*11/21/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2248023
Diesel Range Organics (C10-C28)	ND	25.0	1	11/21/22	11/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/21/22	11/21/22	
Surrogate: n-Nonane		*106 %*	*50-200*	*11/21/22*	*11/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2248019
Chloride	**177**	20.0	1	11/21/22	11/21/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 4:10:04PM

BH46B

E211124-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2248016
Benzene	ND	0.0250	1	11/21/22	11/21/22	
Ethylbenzene	ND	0.0250	1	11/21/22	11/21/22	
Toluene	ND	0.0250	1	11/21/22	11/21/22	
o-Xylene	ND	0.0250	1	11/21/22	11/21/22	
p,m-Xylene	ND	0.0500	1	11/21/22	11/21/22	
Total Xylenes	ND	0.0250	1	11/21/22	11/21/22	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*111 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: Toluene-d8		*98.3 %*	*70-130*	*11/21/22*	*11/21/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2248016
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/21/22	11/21/22	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*111 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: Toluene-d8		*98.3 %*	*70-130*	*11/21/22*	*11/21/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2248023
Diesel Range Organics (C10-C28)	**753**	250	10	11/21/22	11/21/22	
Oil Range Organics (C28-C36)	**1050**	500	10	11/21/22	11/21/22	
Surrogate: n-Nonane		*97.8 %*	*50-200*	*11/21/22*	*11/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2248019
Chloride	**23.8**	20.0	1	11/21/22	11/21/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 4:10:04PM

BH47B

E211124-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2248016
Benzene	ND	0.0250	1	11/21/22	11/21/22	
Ethylbenzene	ND	0.0250	1	11/21/22	11/21/22	
Toluene	ND	0.0250	1	11/21/22	11/21/22	
o-Xylene	ND	0.0250	1	11/21/22	11/21/22	
p,m-Xylene	ND	0.0500	1	11/21/22	11/21/22	
Total Xylenes	ND	0.0250	1	11/21/22	11/21/22	
Surrogate: Bromofluorobenzene		*96.0 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*117 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: Toluene-d8		*99.3 %*	*70-130*	*11/21/22*	*11/21/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2248016
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/21/22	11/21/22	
Surrogate: Bromofluorobenzene		*96.0 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*117 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: Toluene-d8		*99.3 %*	*70-130*	*11/21/22*	*11/21/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2248023
Diesel Range Organics (C10-C28)	**228**	125	5	11/21/22	11/21/22	
Oil Range Organics (C28-C36)	**305**	250	5	11/21/22	11/21/22	
Surrogate: n-Nonane		*102 %*	*50-200*	*11/21/22*	*11/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2248019
Chloride	**38.7**	20.0	1	11/21/22	11/21/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 4:10:04PM

BH48B

E211124-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2248016
Benzene	ND	0.0250	1	11/21/22	11/21/22	
Ethylbenzene	ND	0.0250	1	11/21/22	11/21/22	
Toluene	ND	0.0250	1	11/21/22	11/21/22	
o-Xylene	ND	0.0250	1	11/21/22	11/21/22	
p,m-Xylene	ND	0.0500	1	11/21/22	11/21/22	
Total Xylenes	ND	0.0250	1	11/21/22	11/21/22	
Surrogate: Bromofluorobenzene		*97.9 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*114 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: Toluene-d8		*97.2 %*	*70-130*	*11/21/22*	*11/21/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2248016
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/21/22	11/21/22	
Surrogate: Bromofluorobenzene		*97.9 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*114 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: Toluene-d8		*97.2 %*	*70-130*	*11/21/22*	*11/21/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2248023
Diesel Range Organics (C10-C28)	**59.3**	25.0	1	11/21/22	11/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/21/22	11/21/22	
Surrogate: n-Nonane		*82.9 %*	*50-200*	*11/21/22*	*11/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2248019
Chloride	**39.3**	20.0	1	11/21/22	11/21/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 4:10:04PM

SW22B

E211124-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2248016
Benzene	ND	0.0250	1	11/21/22	11/21/22	
Ethylbenzene	ND	0.0250	1	11/21/22	11/21/22	
Toluene	ND	0.0250	1	11/21/22	11/21/22	
o-Xylene	ND	0.0250	1	11/21/22	11/21/22	
p,m-Xylene	ND	0.0500	1	11/21/22	11/21/22	
Total Xylenes	ND	0.0250	1	11/21/22	11/21/22	
Surrogate: Bromofluorobenzene		*95.8 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*109 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: Toluene-d8		*98.1 %*	*70-130*	*11/21/22*	*11/21/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2248016
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/21/22	11/21/22	
Surrogate: Bromofluorobenzene		*95.8 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*109 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: Toluene-d8		*98.1 %*	*70-130*	*11/21/22*	*11/21/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2248023
Diesel Range Organics (C10-C28)	**127**	125	5	11/21/22	11/21/22	
Oil Range Organics (C28-C36)	ND	250	5	11/21/22	11/21/22	
Surrogate: n-Nonane		*97.8 %*	*50-200*	*11/21/22*	*11/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2248019
Chloride	ND	20.0	1	11/21/22	11/21/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 4:10:04PM

SW28B

E211124-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2248016
Benzene	ND	0.0250	1	11/21/22	11/21/22	
Ethylbenzene	ND	0.0250	1	11/21/22	11/21/22	
Toluene	ND	0.0250	1	11/21/22	11/21/22	
o-Xylene	ND	0.0250	1	11/21/22	11/21/22	
p,m-Xylene	ND	0.0500	1	11/21/22	11/21/22	
Total Xylenes	ND	0.0250	1	11/21/22	11/21/22	
Surrogate: Bromofluorobenzene		*99.0 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*111 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: Toluene-d8		*98.8 %*	*70-130*	*11/21/22*	*11/21/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2248016
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/21/22	11/21/22	
Surrogate: Bromofluorobenzene		*99.0 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*111 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: Toluene-d8		*98.8 %*	*70-130*	*11/21/22*	*11/21/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2248023
Diesel Range Organics (C10-C28)	**89.5**	50.0	2	11/21/22	11/21/22	
Oil Range Organics (C28-C36)	**279**	100	2	11/21/22	11/21/22	
Surrogate: n-Nonane		*102 %*	*50-200*	*11/21/22*	*11/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2248019
Chloride	ND	20.0	1	11/21/22	11/21/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 4:10:04PM

SW29B

E211124-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2248016
Benzene	ND	0.0250	1	11/21/22	11/21/22	
Ethylbenzene	ND	0.0250	1	11/21/22	11/21/22	
Toluene	ND	0.0250	1	11/21/22	11/21/22	
o-Xylene	ND	0.0250	1	11/21/22	11/21/22	
p,m-Xylene	ND	0.0500	1	11/21/22	11/21/22	
Total Xylenes	ND	0.0250	1	11/21/22	11/21/22	
Surrogate: Bromofluorobenzene		*98.0 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*112 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: Toluene-d8		*99.4 %*	*70-130*	*11/21/22*	*11/21/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2248016
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/21/22	11/21/22	
Surrogate: Bromofluorobenzene		*98.0 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*112 %*	*70-130*	*11/21/22*	*11/21/22*	
Surrogate: Toluene-d8		*99.4 %*	*70-130*	*11/21/22*	*11/21/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2248023
Diesel Range Organics (C10-C28)	**170**	125	5	11/21/22	11/21/22	
Oil Range Organics (C28-C36)	ND	250	5	11/21/22	11/21/22	
Surrogate: n-Nonane		*86.1 %*	*50-200*	*11/21/22*	*11/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2248019
Chloride	ND	20.0	1	11/21/22	11/21/22	

QC Summary Data

GHD	Project Name:	12574110 Robinson	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 4:10:04PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2248016-BLK1)									Prepared: 11/21/22 Analyzed: 11/21/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.508*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.559*		*0.500*		*112*	*70-130*			
Surrogate: Toluene-d8	*0.468*		*0.500*		*93.5*	*70-130*			
LCS (2248016-BS1)									Prepared: 11/21/22 Analyzed: 11/21/22
Benzene	2.13	0.0250	2.50		85.0	70-130			
Ethylbenzene	2.17	0.0250	2.50		86.8	70-130			
Toluene	2.14	0.0250	2.50		85.6	70-130			
o-Xylene	2.27	0.0250	2.50		90.6	70-130			
p,m-Xylene	4.48	0.0500	5.00		89.6	70-130			
Total Xylenes	6.75	0.0250	7.50		90.0	70-130			
Surrogate: Bromofluorobenzene	*0.529*		*0.500*		*106*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.551*		*0.500*		*110*	*70-130*			
Surrogate: Toluene-d8	*0.474*		*0.500*		*94.8*	*70-130*			
Matrix Spike (2248016-MS1)				**Source: E211124-01**					Prepared: 11/21/22 Analyzed: 11/21/22
Benzene	22.7	0.250	25.0	ND	91.0	48-131			
Ethylbenzene	25.8	0.250	25.0	1.50	97.2	45-135			
Toluene	23.5	0.250	25.0	ND	93.9	48-130			
o-Xylene	25.7	0.250	25.0	1.08	98.5	43-135			
p,m-Xylene	50.1	0.500	50.0	1.98	96.3	43-135			
Total Xylenes	75.9	0.250	75.0	3.06	97.1	43-135			
Surrogate: Bromofluorobenzene	*5.29*		*5.00*		*106*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*5.67*		*5.00*		*113*	*70-130*			
Surrogate: Toluene-d8	*4.67*		*5.00*		*93.3*	*70-130*			
Matrix Spike Dup (2248016-MSD1)				**Source: E211124-01**					Prepared: 11/21/22 Analyzed: 11/22/22
Benzene	22.2	0.250	25.0	ND	88.9	48-131	2.36	23	
Ethylbenzene	24.0	0.250	25.0	1.50	90.1	45-135	7.08	27	
Toluene	22.0	0.250	25.0	ND	87.9	48-130	6.62	24	
o-Xylene	24.4	0.250	25.0	1.08	93.1	43-135	5.39	27	
p,m-Xylene	48.1	0.500	50.0	1.98	92.2	43-135	4.13	27	
Total Xylenes	72.5	0.250	75.0	3.06	92.5	43-135	4.56	27	
Surrogate: Bromofluorobenzene	*5.30*		*5.00*		*106*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*5.52*		*5.00*		*110*	*70-130*			
Surrogate: Toluene-d8	*4.69*		*5.00*		*93.8*	*70-130*			

QC Summary Data

GHD	Project Name:	12574110 Robinson	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 4:10:04PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2248016-BLK1)									Prepared: 11/21/22 Analyzed: 11/21/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.508*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.559*		*0.500*		*112*	*70-130*			
Surrogate: Toluene-d8	*0.468*		*0.500*		*93.5*	*70-130*			
LCS (2248016-BS2)									Prepared: 11/21/22 Analyzed: 11/22/22
Gasoline Range Organics (C6-C10)	43.9	20.0	50.0		87.8	70-130			
Surrogate: Bromofluorobenzene	*0.525*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.557*		*0.500*		*111*	*70-130*			
Surrogate: Toluene-d8	*0.471*		*0.500*		*94.1*	*70-130*			
Matrix Spike (2248016-MS2)				**Source: E211124-01**					Prepared: 11/21/22 Analyzed: 11/22/22
Gasoline Range Organics (C6-C10)	578	200	500	ND	116	70-130			
Surrogate: Bromofluorobenzene	*5.30*		*5.00*		*106*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*5.48*		*5.00*		*110*	*70-130*			
Surrogate: Toluene-d8	*4.69*		*5.00*		*93.7*	*70-130*			
Matrix Spike Dup (2248016-MSD2)				**Source: E211124-01**					Prepared: 11/21/22 Analyzed: 11/22/22
Gasoline Range Organics (C6-C10)	568	200	500	ND	114	70-130	1.66	20	
Surrogate: Bromofluorobenzene	*5.32*		*5.00*		*106*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*5.51*		*5.00*		*110*	*70-130*			
Surrogate: Toluene-d8	*4.73*		*5.00*		*94.6*	*70-130*			

QC Summary Data

GHD	Project Name:	12574110 Robinson	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 4:10:04PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2248023-BLK1)									Prepared: 11/21/22 Analyzed: 11/21/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*43.8*		*50.0*		*87.6*	*50-200*			
LCS (2248023-BS1)									Prepared: 11/21/22 Analyzed: 11/22/22
Diesel Range Organics (C10-C28)	227	25.0	250		90.6	38-132			
Surrogate: n-Nonane	*41.3*		*50.0*		*82.7*	*50-200*			
Matrix Spike (2248023-MS1)				**Source: E211124-03**					Prepared: 11/21/22 Analyzed: 11/21/22
Diesel Range Organics (C10-C28)	501	25.0	250	222	112	38-132			
Surrogate: n-Nonane	*40.3*		*50.0*		*80.7*	*50-200*			
Matrix Spike Dup (2248023-MSD1)				**Source: E211124-03**					Prepared: 11/21/22 Analyzed: 11/21/22
Diesel Range Organics (C10-C28)	419	25.0	250	222	78.9	38-132	17.8	20	
Surrogate: n-Nonane	*41.0*		*50.0*		*82.1*	*50-200*			

QC Summary Data

GHD	Project Name:	12574110 Robinson	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/2022 4:10:04PM

Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2248019-BLK1)									Prepared: 11/21/22 Analyzed: 11/22/22
Chloride	ND	20.0							
LCS (2248019-BS1)									Prepared: 11/21/22 Analyzed: 11/22/22
Chloride	265	20.0	250		106	90-110			
Matrix Spike (2248019-MS1)				**Source: E211124-01**					Prepared: 11/21/22 Analyzed: 11/22/22
Chloride	567	20.0	250	311	102	80-120			
Matrix Spike Dup (2248019-MSD1)				**Source: E211124-01**					Prepared: 11/21/22 Analyzed: 11/22/22
Chloride	556	20.0	250	311	97.8	80-120	1.96	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/22/22 16:10

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 1/17/2023 10:41:10 AM
Received by OCD: 12/19/2022 1:41:21 PM

Project Information | Chain of Custody | Page 1 of 2

Client: .GHD	**Bill To**
Project: 12574110 Robinson	Attention: EOG Amber Griffin
Project Manager: Nate Reece / JT Murrey	Address: 1045 4th St.
Address:6121 Indian School Rd. NE St. 200	City, State, Zip: Artesia, NM 88210
City, State, Zip: Albuquerque, NM 87110	Phone:
Phone:(281)386-7158	Email: amber_griffin@eogresources.com
Email: nate.reece@ghd.com	
Report due by:	

Lab Use Only

Lab WO#	Job Number
E211124	19034-0001

TAT

1D	2D	3D	Standard
✓			

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX	
✓					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
1300	11/9	S	1	BH1A	1	X	X			X			
1305				BH11B	2								
1310				BH12B	3								
1315				BH13B	4								
1320				BH14B	5								
1325				BH15B	6								
1330				BH17B	7								
1335				BH19B	8								
1340				BH21B	9								
1345				BH5B	10								

Additional Instructions: Please email results to: amber_griffin@eogresources.com; chase_settle@eogresources.com; jt.murrey@ghd.com; liam.giersdorf@ghd.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Liam Giersdorf

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	11/18	0800	Michelle R. Gurule	11-18-22	0800
Michelle R Gurule	11-19-22	1800	[signature]	11/21/22	8:49
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other _____
Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Released to Imaging: 11/7/2023 10:41:10 AM
Received by OCD: 12/19/2022 1:41:21 PM

Project Information | Chain of Custody | Page 2 of 2

Client: GHD	**Bill To**
Project: 12574110 Robinson	Attention: EOG Amber Griffin
Project Manager: Nate Reece / JT Murrey	Address: 1045 4th St.
Address:6121 Indian School Rd. NE St. 200	City, State, Zip: Artesia, NM 88210
City, State, Zip: Albuquerque, NM 87110	Phone:
Phone:(281)386-7158	Email: amber_griffin@eogresources.com
Email: nate.reece@ghd.com	
Report due by:	

Lab Use Only

Lab WO#	Job Number
E211124	19034-0001

TAT: 1D ✓ | 2D | 3D | Standard

EPA Program: CWA | SDWA | RCRA

State: NM ✓ | CO | UT | AZ | TX

Analysis and Method

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
1350	1117	S	1	BH39B	11	X	X			X			
1355				BH41B	12								
1400				BH46B	13								
1405				BH47B	14								
1410				BH48B	15								
1415				SW22B	16								
1420				SW28B	17								
1425				SW29B	18								

Additional Instructions: Please email results to: amber_griffin@eogresources.com; chase_settle@eogresources.com; jt.murrey@ghd.com; liam.giersdorf@ghd.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Liam Giersdorf

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	1118	0800	Middle Guzek	11-18-22	0800
Middle Guzek	11-19-22	1800	Caeth Clad	11/21/22	8:49
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
Received on ice: Y / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other _____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, **v** - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Envirotech Analytical Laboratory

Printed: 11/21/2022 11:18:14AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	GHD	Date Received:	11/21/22 08:49	Work Order ID:	E211124
Phone:	(505) 884-0672	Date Logged In:	11/21/22 08:54	Logged In By:	Caitlin Christian
Email:	nate.reece@ghd.com	Due Date:	11/21/22 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	No	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: na

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

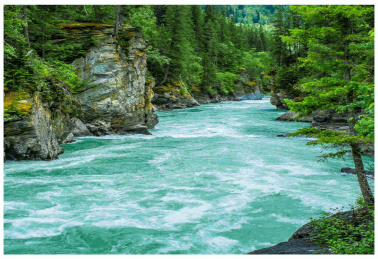
Date

envirotech Inc.

Report to:

Nate Reece









5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

NELAP ACCREDITED TNI LABORATORY

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Practical Solutions for a Better Tomorrow

Analytical Report

GHD

Project Name:	12574110 Robinson
Work Order:	E211151
Job Number:	19034-0001
Received:	11/28/2022

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/29/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 11/29/22

Nate Reece
6121 Indian School Rd. NE #200
Albuquerque, NM 87110

Project Name: 12574110 Robinson
Workorder: E211151
Date Received: 11/28/2022 10:00:00AM

Nate Reece,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/28/2022 10:00:00AM, under the Project Name: 12574110 Robinson.

The analytical test results summarized in this report with the Project Name: 12574110 Robinson apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

GHD	Project Name:	12574110 Robinson	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/29/22 16:30

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH11C	E211151-01A	Soil	11/22/22	11/28/22	Glass Jar, 4 oz.
BH12C	E211151-02A	Soil	11/22/22	11/28/22	Glass Jar, 4 oz.
BH19C	E211151-03A	Soil	11/22/22	11/28/22	Glass Jar, 4 oz.
BH39C	E211151-04A	Soil	11/22/22	11/28/22	Glass Jar, 4 oz.
BH46C	E211151-05A	Soil	11/22/22	11/28/22	Glass Jar, 4 oz.
BH47C	E211151-06A	Soil	11/22/22	11/28/22	Glass Jar, 4 oz.
SW28C	E211151-07A	Soil	11/22/22	11/28/22	Glass Jar, 4 oz.
SW45	E211151-08A	Soil	11/22/22	11/28/22	Glass Jar, 4 oz.

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/29/2022 4:30:35PM

BH11C

E211151-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2249007
Benzene	ND	0.0250	1	11/28/22	11/28/22	
Ethylbenzene	ND	0.0250	1	11/28/22	11/28/22	
Toluene	ND	0.0250	1	11/28/22	11/28/22	
o-Xylene	ND	0.0250	1	11/28/22	11/28/22	
p,m-Xylene	ND	0.0500	1	11/28/22	11/28/22	
Total Xylenes	ND	0.0250	1	11/28/22	11/28/22	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*11/28/22*	*11/28/22*	
Surrogate: 1,2-Dichloroethane-d4		*115 %*	*70-130*	*11/28/22*	*11/28/22*	
Surrogate: Toluene-d8		*93.9 %*	*70-130*	*11/28/22*	*11/28/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2249007
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/28/22	11/28/22	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*11/28/22*	*11/28/22*	
Surrogate: 1,2-Dichloroethane-d4		*115 %*	*70-130*	*11/28/22*	*11/28/22*	
Surrogate: Toluene-d8		*93.9 %*	*70-130*	*11/28/22*	*11/28/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2249005
Diesel Range Organics (C10-C28)	**904**	250	10	11/28/22	11/28/22	
Oil Range Organics (C28-C36)	**679**	500	10	11/28/22	11/28/22	
Surrogate: n-Nonane		*80.4 %*	*50-200*	*11/28/22*	*11/28/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2249006
Chloride	**295**	20.0	1	11/28/22	11/28/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/29/2022 4:30:35PM

BH12C

E211151-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2249007
Benzene	ND	0.0250	1	11/28/22	11/28/22	
Ethylbenzene	ND	0.0250	1	11/28/22	11/28/22	
Toluene	ND	0.0250	1	11/28/22	11/28/22	
o-Xylene	ND	0.0250	1	11/28/22	11/28/22	
p,m-Xylene	ND	0.0500	1	11/28/22	11/28/22	
Total Xylenes	ND	0.0250	1	11/28/22	11/28/22	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*11/28/22*	*11/28/22*	
Surrogate: 1,2-Dichloroethane-d4		*115 %*	*70-130*	*11/28/22*	*11/28/22*	
Surrogate: Toluene-d8		*95.0 %*	*70-130*	*11/28/22*	*11/28/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2249007
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/28/22	11/28/22	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*11/28/22*	*11/28/22*	
Surrogate: 1,2-Dichloroethane-d4		*115 %*	*70-130*	*11/28/22*	*11/28/22*	
Surrogate: Toluene-d8		*95.0 %*	*70-130*	*11/28/22*	*11/28/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2249005
Diesel Range Organics (C10-C28)	ND	25.0	1	11/28/22	11/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/28/22	11/28/22	
Surrogate: n-Nonane		*71.6 %*	*50-200*	*11/28/22*	*11/28/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2249006
Chloride	**62.3**	20.0	1	11/28/22	11/28/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/29/2022 4:30:35PM

BH19C

E211151-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2249007
Benzene	ND	0.0250	1	11/28/22	11/28/22	
Ethylbenzene	ND	0.0250	1	11/28/22	11/28/22	
Toluene	ND	0.0250	1	11/28/22	11/28/22	
o-Xylene	ND	0.0250	1	11/28/22	11/28/22	
p,m-Xylene	ND	0.0500	1	11/28/22	11/28/22	
Total Xylenes	ND	0.0250	1	11/28/22	11/28/22	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*11/28/22*	*11/28/22*	
Surrogate: 1,2-Dichloroethane-d4		*116 %*	*70-130*	*11/28/22*	*11/28/22*	
Surrogate: Toluene-d8		*85.3 %*	*70-130*	*11/28/22*	*11/28/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2249007
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/28/22	11/28/22	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*11/28/22*	*11/28/22*	
Surrogate: 1,2-Dichloroethane-d4		*116 %*	*70-130*	*11/28/22*	*11/28/22*	
Surrogate: Toluene-d8		*85.3 %*	*70-130*	*11/28/22*	*11/28/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2249005
Diesel Range Organics (C10-C28)	**61.5**	25.0	1	11/28/22	11/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/28/22	11/28/22	
Surrogate: n-Nonane		*81.3 %*	*50-200*	*11/28/22*	*11/28/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2249006
Chloride	**508**	20.0	1	11/28/22	11/28/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/29/2022 4:30:35PM

BH39C

E211151-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2249007
Benzene	ND	0.0250	1	11/28/22	11/28/22	
Ethylbenzene	ND	0.0250	1	11/28/22	11/28/22	
Toluene	ND	0.0250	1	11/28/22	11/28/22	
o-Xylene	ND	0.0250	1	11/28/22	11/28/22	
p,m-Xylene	ND	0.0500	1	11/28/22	11/28/22	
Total Xylenes	ND	0.0250	1	11/28/22	11/28/22	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*11/28/22*	*11/28/22*	
Surrogate: 1,2-Dichloroethane-d4		*117 %*	*70-130*	*11/28/22*	*11/28/22*	
Surrogate: Toluene-d8		*94.7 %*	*70-130*	*11/28/22*	*11/28/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2249007
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/28/22	11/28/22	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*11/28/22*	*11/28/22*	
Surrogate: 1,2-Dichloroethane-d4		*117 %*	*70-130*	*11/28/22*	*11/28/22*	
Surrogate: Toluene-d8		*94.7 %*	*70-130*	*11/28/22*	*11/28/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2249005
Diesel Range Organics (C10-C28)	**52.7**	25.0	1	11/28/22	11/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/28/22	11/28/22	
Surrogate: n-Nonane		*171 %*	*50-200*	*11/28/22*	*11/28/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2249006
Chloride	**89.8**	20.0	1	11/28/22	11/28/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/29/2022 4:30:35PM

BH46C

E211151-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2249007
Benzene	ND	0.0250	1	11/28/22	11/28/22	
Ethylbenzene	ND	0.0250	1	11/28/22	11/28/22	
Toluene	ND	0.0250	1	11/28/22	11/28/22	
o-Xylene	ND	0.0250	1	11/28/22	11/28/22	
p,m-Xylene	ND	0.0500	1	11/28/22	11/28/22	
Total Xylenes	ND	0.0250	1	11/28/22	11/28/22	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*11/28/22*	*11/28/22*	
Surrogate: 1,2-Dichloroethane-d4		*114 %*	*70-130*	*11/28/22*	*11/28/22*	
Surrogate: Toluene-d8		*93.1 %*	*70-130*	*11/28/22*	*11/28/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2249007
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/28/22	11/28/22	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*11/28/22*	*11/28/22*	
Surrogate: 1,2-Dichloroethane-d4		*114 %*	*70-130*	*11/28/22*	*11/28/22*	
Surrogate: Toluene-d8		*93.1 %*	*70-130*	*11/28/22*	*11/28/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2249005
Diesel Range Organics (C10-C28)	**94.7**	25.0	1	11/28/22	11/29/22	
Oil Range Organics (C28-C36)	**147**	50.0	1	11/28/22	11/29/22	
Surrogate: n-Nonane		*116 %*	*50-200*	*11/28/22*	*11/29/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2249006
Chloride	**21.3**	20.0	1	11/28/22	11/28/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/29/2022 4:30:35PM

BH47C

E211151-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2249007
Benzene	ND	0.0250	1	11/28/22	11/28/22	
Ethylbenzene	ND	0.0250	1	11/28/22	11/28/22	
Toluene	ND	0.0250	1	11/28/22	11/28/22	
o-Xylene	ND	0.0250	1	11/28/22	11/28/22	
p,m-Xylene	ND	0.0500	1	11/28/22	11/28/22	
Total Xylenes	ND	0.0250	1	11/28/22	11/28/22	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*11/28/22*	*11/28/22*	
Surrogate: 1,2-Dichloroethane-d4		*115 %*	*70-130*	*11/28/22*	*11/28/22*	
Surrogate: Toluene-d8		*93.9 %*	*70-130*	*11/28/22*	*11/28/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2249007
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/28/22	11/28/22	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*11/28/22*	*11/28/22*	
Surrogate: 1,2-Dichloroethane-d4		*115 %*	*70-130*	*11/28/22*	*11/28/22*	
Surrogate: Toluene-d8		*93.9 %*	*70-130*	*11/28/22*	*11/28/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2249005
Diesel Range Organics (C10-C28)	**153**	50.0	2	11/28/22	11/28/22	
Oil Range Organics (C28-C36)	**192**	100	2	11/28/22	11/28/22	
Surrogate: n-Nonane		*92.4 %*	*50-200*	*11/28/22*	*11/28/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2249006
Chloride	**43.9**	20.0	1	11/28/22	11/29/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/29/2022 4:30:35PM

SW28C

E211151-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2249007
Benzene	ND	0.0250	1	11/28/22	11/28/22	
Ethylbenzene	ND	0.0250	1	11/28/22	11/28/22	
Toluene	ND	0.0250	1	11/28/22	11/28/22	
o-Xylene	ND	0.0250	1	11/28/22	11/28/22	
p,m-Xylene	ND	0.0500	1	11/28/22	11/28/22	
Total Xylenes	ND	0.0250	1	11/28/22	11/28/22	
Surrogate: Bromofluorobenzene		*95.7 %*	*70-130*	*11/28/22*	*11/28/22*	
Surrogate: 1,2-Dichloroethane-d4		*97.6 %*	*70-130*	*11/28/22*	*11/28/22*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*11/28/22*	*11/28/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2249007
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/28/22	11/28/22	
Surrogate: Bromofluorobenzene		*95.7 %*	*70-130*	*11/28/22*	*11/28/22*	
Surrogate: 1,2-Dichloroethane-d4		*97.6 %*	*70-130*	*11/28/22*	*11/28/22*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*11/28/22*	*11/28/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2249005
Diesel Range Organics (C10-C28)	**462**	250	10	11/28/22	11/28/22	
Oil Range Organics (C28-C36)	**636**	500	10	11/28/22	11/28/22	
Surrogate: n-Nonane		*77.0 %*	*50-200*	*11/28/22*	*11/28/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2249006
Chloride	ND	20.0	1	11/28/22	11/28/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/29/2022 4:30:35PM

SW45

E211151-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2249007
Benzene	ND	0.0250	1	11/28/22	11/28/22	
Ethylbenzene	ND	0.0250	1	11/28/22	11/28/22	
Toluene	ND	0.0250	1	11/28/22	11/28/22	
o-Xylene	ND	0.0250	1	11/28/22	11/28/22	
p,m-Xylene	ND	0.0500	1	11/28/22	11/28/22	
Total Xylenes	ND	0.0250	1	11/28/22	11/28/22	
Surrogate: Bromofluorobenzene		*97.1 %*	*70-130*	*11/28/22*	*11/28/22*	
Surrogate: 1,2-Dichloroethane-d4		*97.0 %*	*70-130*	*11/28/22*	*11/28/22*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*11/28/22*	*11/28/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2249007
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/28/22	11/28/22	
Surrogate: Bromofluorobenzene		*97.1 %*	*70-130*	*11/28/22*	*11/28/22*	
Surrogate: 1,2-Dichloroethane-d4		*97.0 %*	*70-130*	*11/28/22*	*11/28/22*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*11/28/22*	*11/28/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2249005
Diesel Range Organics (C10-C28)	**598**	125	5	11/28/22	11/28/22	
Oil Range Organics (C28-C36)	**878**	250	5	11/28/22	11/28/22	
Surrogate: n-Nonane		*71.7 %*	*50-200*	*11/28/22*	*11/28/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2249006
Chloride	**52.6**	20.0	1	11/28/22	11/28/22	

QC Summary Data

GHD	Project Name:	12574110 Robinson	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/29/2022 4:30:35PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2249007-BLK1)									Prepared: 11/28/22 Analyzed: 11/28/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.476*		*0.500*		*95.1*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.502*		*0.500*		*100*	*70-130*			
Surrogate: Toluene-d8	*0.522*		*0.500*		*104*	*70-130*			
LCS (2249007-BS1)									Prepared: 11/28/22 Analyzed: 11/29/22
Benzene	2.31	0.0250	2.50		92.3	70-130			
Ethylbenzene	2.33	0.0250	2.50		93.1	70-130			
Toluene	2.28	0.0250	2.50		91.1	70-130			
o-Xylene	2.22	0.0250	2.50		88.7	70-130			
p,m-Xylene	4.43	0.0500	5.00		88.5	70-130			
Total Xylenes	6.64	0.0250	7.50		88.6	70-130			
Surrogate: Bromofluorobenzene	*0.505*		*0.500*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.507*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.526*		*0.500*		*105*	*70-130*			
Matrix Spike (2249007-MS1)				**Source: E211151-02**					Prepared: 11/28/22 Analyzed: 11/28/22
Benzene	2.35	0.0250	2.50	ND	94.0	48-131			
Ethylbenzene	2.36	0.0250	2.50	ND	94.4	45-135			
Toluene	2.33	0.0250	2.50	ND	93.2	48-130			
o-Xylene	2.21	0.0250	2.50	ND	88.4	43-135			
p,m-Xylene	4.46	0.0500	5.00	ND	89.2	43-135			
Total Xylenes	6.67	0.0250	7.50	ND	88.9	43-135			
Surrogate: Bromofluorobenzene	*0.510*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.517*		*0.500*		*103*	*70-130*			
Surrogate: Toluene-d8	*0.521*		*0.500*		*104*	*70-130*			
Matrix Spike Dup (2249007-MSD1)				**Source: E211151-02**					Prepared: 11/28/22 Analyzed: 11/28/22
Benzene	2.49	0.0250	2.50	ND	99.6	48-131	5.79	23	
Ethylbenzene	2.52	0.0250	2.50	ND	101	45-135	6.62	27	
Toluene	2.48	0.0250	2.50	ND	99.1	48-130	6.16	24	
o-Xylene	2.44	0.0250	2.50	ND	97.6	43-135	9.91	27	
p,m-Xylene	4.80	0.0500	5.00	ND	95.9	43-135	7.27	27	
Total Xylenes	7.24	0.0250	7.50	ND	96.5	43-135	8.16	27	
Surrogate: Bromofluorobenzene	*0.509*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.478*		*0.500*		*95.5*	*70-130*			
Surrogate: Toluene-d8	*0.528*		*0.500*		*106*	*70-130*			

QC Summary Data

GHD	Project Name:	12574110 Robinson	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/29/2022 4:30:35PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2249007-BLK1)									Prepared: 11/28/22 Analyzed: 11/28/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.476*		*0.500*		*95.1*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.502*		*0.500*		*100*	*70-130*			
Surrogate: Toluene-d8	*0.522*		*0.500*		*104*	*70-130*			
LCS (2249007-BS2)									Prepared: 11/28/22 Analyzed: 11/28/22
Gasoline Range Organics (C6-C10)	51.0	20.0	50.0		102	70-130			
Surrogate: Bromofluorobenzene	*0.497*		*0.500*		*99.3*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.492*		*0.500*		*98.4*	*70-130*			
Surrogate: Toluene-d8	*0.527*		*0.500*		*105*	*70-130*			
Matrix Spike (2249007-MS2)				**Source: E211151-02**					Prepared: 11/28/22 Analyzed: 11/28/22
Gasoline Range Organics (C6-C10)	53.0	20.0	50.0	ND	106	70-130			
Surrogate: Bromofluorobenzene	*0.487*		*0.500*		*97.4*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.483*		*0.500*		*96.6*	*70-130*			
Surrogate: Toluene-d8	*0.532*		*0.500*		*106*	*70-130*			
Matrix Spike Dup (2249007-MSD2)				**Source: E211151-02**					Prepared: 11/28/22 Analyzed: 11/28/22
Gasoline Range Organics (C6-C10)	52.3	20.0	50.0	ND	105	70-130	1.31	20	
Surrogate: Bromofluorobenzene	*0.490*		*0.500*		*98.0*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.490*		*0.500*		*97.9*	*70-130*			
Surrogate: Toluene-d8	*0.524*		*0.500*		*105*	*70-130*			

QC Summary Data

GHD	Project Name:	12574110 Robinson	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/29/2022 4:30:35PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2249005-BLK1)									Prepared: 11/28/22 Analyzed: 11/28/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*45.4*		*50.0*		*90.7*	*50-200*			
LCS (2249005-BS1)									Prepared: 11/28/22 Analyzed: 11/28/22
Diesel Range Organics (C10-C28)	255	25.0	250		102	38-132			
Surrogate: n-Nonane	*34.2*		*50.0*		*68.3*	*50-200*			
Matrix Spike (2249005-MS1)				**Source: E211151-02**					Prepared: 11/28/22 Analyzed: 11/28/22
Diesel Range Organics (C10-C28)	251	25.0	250	ND	100	38-132			
Surrogate: n-Nonane	*35.5*		*50.0*		*70.9*	*50-200*			
Matrix Spike Dup (2249005-MSD1)				**Source: E211151-02**					Prepared: 11/28/22 Analyzed: 11/28/22
Diesel Range Organics (C10-C28)	253	25.0	250	ND	101	38-132	0.676	20	
Surrogate: n-Nonane	*36.7*		*50.0*		*73.4*	*50-200*			

QC Summary Data

GHD	Project Name:	12574110 Robinson	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/29/2022 4:30:35PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2249006-BLK1)									Prepared: 11/28/22 Analyzed: 11/28/22
Chloride	ND	20.0							
LCS (2249006-BS1)									Prepared: 11/28/22 Analyzed: 11/28/22
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2249006-MS1)				**Source: E211151-01**					Prepared: 11/28/22 Analyzed: 11/28/22
Chloride	570	20.0	250	295	110	80-120			
Matrix Spike Dup (2249006-MSD1)				**Source: E211151-01**					Prepared: 11/28/22 Analyzed: 11/28/22
Chloride	571	20.0	250	295	110	80-120	0.0871	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	11/29/22 16:30

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 1/17/2023 10:41:10 AM
Received by OCD: 12/19/2022 1:41:21 PM

Project Information | Chain of Custody | Page 1 of 1

Client: GHD	**Bill To**
Project: 12574110 Robinson	Attention: EOG Amber Griffin
Project Manager: Nate Reece / JT Murrey	Address: 1045 4th St.
Address:6121 Indian School Rd. NE St. 200	City, State, Zip: Artesia, NM 88210
City, State, Zip: Albuquerque, NM 87110	Phone:
Phone:(281)386-7158	Email: amber_griffin@eogresources.com
Email: nate.reece@ghd.com	
Report due by:	

Lab Use Only

Lab WO#	Job Number
E211157	19034-0001

TAT

1D	2D	3D	Standard
✓			

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX	
✓					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
1400	11/22	S	1	BH11C	1	X	X			X			
1405				BH12C	2								
1410				BH19C	3								
1415				BH39C	4								
1425				BH46C	5								
1430				BH47C	6								
1435				SW28C	7								
1440				SW45	8								

Additional Instructions: Please email results to: amber_griffin@eogresources.com; chase_settle@eogresources.com; jt.murrey@ghd.com; liam.giersdorf@ghd.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Liam Giersdorf

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11/23	0800	Michelle K Cyk	11-23-22	0800
Michelle K Cyk	11-25-22	1700	Caitlin Christian	11/28/22	10:00
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
Received on ice: Y / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other _____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 11/28/2022 10:42:49AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	GHD	Date Received:	11/28/22 10:00	Work Order ID:	E211151
Phone:	(505) 884-0672	Date Logged In:	11/28/22 10:07	Logged In By:	Caitlin Christian
Email:	nate.reece@ghd.com	Due Date:	11/28/22 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	Yes	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: na

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

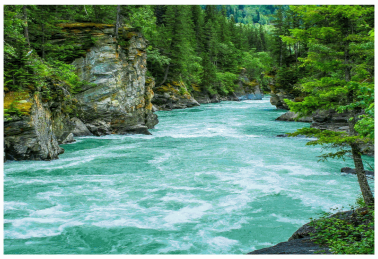
Date

envirotech Inc.

Report to:

Nate Reece









5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

GHD

Project Name: 12574110 Robinson

Work Order: E212010

Job Number: 19034-0001

Received: 12/2/2022

Revision: 4

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/16/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 12/16/22

Nate Reece
6121 Indian School Rd. NE #200
Albuquerque, NM 87110

Project Name: 12574110 Robinson
Workorder: E212010
Date Received: 12/2/2022 11:30:00AM

Nate Reece,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/2/2022 11:30:00AM, under the Project Name: 12574110 Robinson.

The analytical test results summarized in this report with the Project Name: 12574110 Robinson apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

GHD	Project Name:	12574110 Robinson	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/16/22 10:30

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH - 11D	E212010-01A	Soil	11/30/22	12/02/22	Glass Jar, 4 oz.
BH68A	E212010-02A	Soil	11/30/22	12/02/22	Glass Jar, 4 oz.
BH69A	E212010-03A	Soil	11/30/22	12/02/22	Glass Jar, 4 oz.
BH71A	E212010-04A	Soil	11/30/22	12/02/22	Glass Jar, 4 oz.
SW36A	E212010-05A	Soil	11/30/22	12/02/22	Glass Jar, 4 oz.
SW37A	E212010-06A	Soil	11/30/22	12/02/22	Glass Jar, 4 oz.
BH73A	E212010-07A	Soil	11/30/22	12/02/22	Glass Jar, 4 oz.
BH74A	E212010-08A	Soil	11/30/22	12/02/22	Glass Jar, 4 oz.
BH75A	E212010-09A	Soil	11/30/22	12/02/22	Glass Jar, 4 oz.
BH76A	E212010-10A	Soil	11/30/22	12/02/22	Glass Jar, 4 oz.
SW40A	E212010-11A	Soil	11/30/22	12/02/22	Glass Jar, 4 oz.
BH63B	E212010-12A	Soil	11/30/22	12/02/22	Glass Jar, 4 oz.
BH64B	E212010-13A	Soil	11/30/22	12/02/22	Glass Jar, 4 oz.
BH66B	E212010-14A	Soil	11/30/22	12/02/22	Glass Jar, 4 oz.
BH - 46D	E212010-15A	Soil	11/30/22	12/02/22	Glass Jar, 4 oz.
BH - 47D	E212010-16A	Soil	11/30/22	12/02/22	Glass Jar, 4 oz.
SW22C	E212010-17A	Soil	11/30/22	12/02/22	Glass Jar, 4 oz.
SW29C	E212010-18A	Soil	11/30/22	12/02/22	Glass Jar, 4 oz.
SW - 28D	E212010-19A	Soil	11/30/22	12/02/22	Glass Jar, 4 oz.
SW45A	E212010-20A	Soil	11/30/22	12/02/22	Glass Jar, 4 oz.
SW31B	E212010-21A	Soil	11/30/22	12/02/22	Glass Jar, 4 oz.
SW32B	E212010-22A	Soil	11/30/22	12/02/22	Glass Jar, 4 oz.
SW33B	E212010-23A	Soil	11/30/22	12/02/22	Glass Jar, 4 oz.
SW34B	E212010-24A	Soil	11/30/22	12/02/22	Glass Jar, 4 oz.
SW21C	E212010-25A	Soil	11/30/22	12/02/22	Glass Jar, 4 oz.
SW42A	E212010-26A	Soil	11/30/22	12/02/22	Glass Jar, 4 oz.

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/16/2022 10:30:00AM

BH - 11D

E212010-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2249063
Benzene	ND	0.0250	1	12/02/22	12/02/22	
Ethylbenzene	ND	0.0250	1	12/02/22	12/02/22	
Toluene	ND	0.0250	1	12/02/22	12/02/22	
o-Xylene	ND	0.0250	1	12/02/22	12/02/22	
p,m-Xylene	ND	0.0500	1	12/02/22	12/02/22	
Total Xylenes	ND	0.0250	1	12/02/22	12/02/22	
Surrogate: Bromofluorobenzene		*96.3 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: 1,2-Dichloroethane-d4		*96.4 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*12/02/22*	*12/02/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2249063
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/22	12/02/22	
Surrogate: Bromofluorobenzene		*96.3 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: 1,2-Dichloroethane-d4		*96.4 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*12/02/22*	*12/02/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2249066
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/22	12/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/22	12/02/22	
Surrogate: n-Nonane		*102 %*	*50-200*	*12/02/22*	*12/02/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2249069
Chloride	**388**	20.0	1	12/02/22	12/02/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/16/2022 10:30:00AM

BH68A

E212010-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2249063
Benzene	ND	0.0250	1	12/02/22	12/02/22	
Ethylbenzene	ND	0.0250	1	12/02/22	12/02/22	
Toluene	ND	0.0250	1	12/02/22	12/02/22	
o-Xylene	ND	0.0250	1	12/02/22	12/02/22	
p,m-Xylene	ND	0.0500	1	12/02/22	12/02/22	
Total Xylenes	ND	0.0250	1	12/02/22	12/02/22	
Surrogate: Bromofluorobenzene		*96.9 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: 1,2-Dichloroethane-d4		*96.7 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*12/02/22*	*12/02/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2249063
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/22	12/02/22	
Surrogate: Bromofluorobenzene		*96.9 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: 1,2-Dichloroethane-d4		*96.7 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*12/02/22*	*12/02/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2249066
Diesel Range Organics (C10-C28)	**263**	250	10	12/02/22	12/02/22	
Oil Range Organics (C28-C36)	ND	500	10	12/02/22	12/02/22	
Surrogate: n-Nonane		*122 %*	*50-200*	*12/02/22*	*12/02/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2249069
Chloride	**25.9**	20.0	1	12/02/22	12/02/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/16/2022 10:30:00AM

BH69A

E212010-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2249063
Benzene	ND	0.0250	1	12/02/22	12/02/22	
Ethylbenzene	ND	0.0250	1	12/02/22	12/02/22	
Toluene	ND	0.0250	1	12/02/22	12/02/22	
o-Xylene	ND	0.0250	1	12/02/22	12/02/22	
p,m-Xylene	ND	0.0500	1	12/02/22	12/02/22	
Total Xylenes	ND	0.0250	1	12/02/22	12/02/22	
Surrogate: Bromofluorobenzene		*98.1 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*12/02/22*	*12/02/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2249063
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/22	12/02/22	
Surrogate: Bromofluorobenzene		*98.1 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*12/02/22*	*12/02/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2249066
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/22	12/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/22	12/02/22	
Surrogate: n-Nonane		*108 %*	*50-200*	*12/02/22*	*12/02/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2249069
Chloride	**91.3**	20.0	1	12/02/22	12/02/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/16/2022 10:30:00AM

BH71A

E212010-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2249063
Benzene	ND	0.0250	1	12/02/22	12/02/22	
Ethylbenzene	ND	0.0250	1	12/02/22	12/02/22	
Toluene	ND	0.0250	1	12/02/22	12/02/22	
o-Xylene	ND	0.0250	1	12/02/22	12/02/22	
p,m-Xylene	ND	0.0500	1	12/02/22	12/02/22	
Total Xylenes	ND	0.0250	1	12/02/22	12/02/22	
Surrogate: Bromofluorobenzene		*99.8 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: 1,2-Dichloroethane-d4		*99.5 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*12/02/22*	*12/02/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2249063
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/22	12/02/22	
Surrogate: Bromofluorobenzene		*99.8 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: 1,2-Dichloroethane-d4		*99.5 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*12/02/22*	*12/02/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2249066
Diesel Range Organics (C10-C28)	**86.2**	25.0	1	12/02/22	12/02/22	
Oil Range Organics (C28-C36)	**120**	50.0	1	12/02/22	12/02/22	
Surrogate: n-Nonane		*115 %*	*50-200*	*12/02/22*	*12/02/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2249069
Chloride	**20.1**	20.0	1	12/02/22	12/02/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/16/2022 10:30:00AM

SW36A

E212010-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2249063
Benzene	ND	0.0250	1	12/02/22	12/02/22	
Ethylbenzene	ND	0.0250	1	12/02/22	12/02/22	
Toluene	ND	0.0250	1	12/02/22	12/02/22	
o-Xylene	ND	0.0250	1	12/02/22	12/02/22	
p,m-Xylene	ND	0.0500	1	12/02/22	12/02/22	
Total Xylenes	ND	0.0250	1	12/02/22	12/02/22	
Surrogate: Bromofluorobenzene		*97.2 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: 1,2-Dichloroethane-d4		*99.7 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*12/02/22*	*12/02/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2249063
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/22	12/02/22	
Surrogate: Bromofluorobenzene		*97.2 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: 1,2-Dichloroethane-d4		*99.7 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*12/02/22*	*12/02/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2249066
Diesel Range Organics (C10-C28)	**53.2**	25.0	1	12/02/22	12/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/22	12/02/22	
Surrogate: n-Nonane		*107 %*	*50-200*	*12/02/22*	*12/02/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2249069
Chloride	ND	20.0	1	12/02/22	12/02/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/16/2022 10:30:00AM

SW37A

E212010-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2249063
Benzene	ND	0.0250	1	12/02/22	12/02/22	
Ethylbenzene	ND	0.0250	1	12/02/22	12/02/22	
Toluene	ND	0.0250	1	12/02/22	12/02/22	
o-Xylene	ND	0.0250	1	12/02/22	12/02/22	
p,m-Xylene	ND	0.0500	1	12/02/22	12/02/22	
Total Xylenes	ND	0.0250	1	12/02/22	12/02/22	
Surrogate: Bromofluorobenzene		*99.2 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*12/02/22*	*12/02/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2249063
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/22	12/02/22	
Surrogate: Bromofluorobenzene		*99.2 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*12/02/22*	*12/02/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2249066
Diesel Range Organics (C10-C28)	**307**	250	10	12/02/22	12/02/22	
Oil Range Organics (C28-C36)	ND	500	10	12/02/22	12/02/22	
Surrogate: n-Nonane		*138 %*	*50-200*	*12/02/22*	*12/02/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2249069
Chloride	ND	20.0	1	12/02/22	12/02/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/16/2022 10:30:00AM

BH73A

E212010-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2249063
Benzene	**0.493**	0.125	5	12/02/22	12/02/22	
Ethylbenzene	**12.9**	0.125	5	12/02/22	12/02/22	
Toluene	**2.58**	0.125	5	12/02/22	12/02/22	
o-Xylene	**3.96**	0.125	5	12/02/22	12/02/22	
p,m-Xylene	**10.1**	0.250	5	12/02/22	12/02/22	
Total Xylenes	**14.1**	0.125	5	12/02/22	12/02/22	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: 1,2-Dichloroethane-d4		*97.1 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*12/02/22*	*12/02/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2249063
Gasoline Range Organics (C6-C10)	**316**	100	5	12/02/22	12/02/22	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: 1,2-Dichloroethane-d4		*97.1 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*12/02/22*	*12/02/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2249066
Diesel Range Organics (C10-C28)	**7970**	500	20	12/02/22	12/02/22	
Oil Range Organics (C28-C36)	**3460**	1000	20	12/02/22	12/02/22	
Surrogate: n-Nonane		*145 %*	*50-200*	*12/02/22*	*12/02/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2249069
Chloride	**64.2**	20.0	1	12/02/22	12/02/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/16/2022 10:30:00AM

BH74A

E212010-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2249063
Benzene	**0.373**	0.125	5	12/02/22	12/02/22	
Ethylbenzene	**9.17**	0.125	5	12/02/22	12/02/22	
Toluene	**5.31**	0.125	5	12/02/22	12/02/22	
o-Xylene	**5.72**	0.125	5	12/02/22	12/02/22	
p,m-Xylene	**6.38**	0.250	5	12/02/22	12/02/22	
Total Xylenes	**12.1**	0.125	5	12/02/22	12/02/22	
Surrogate: Bromofluorobenzene		*98.3 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: 1,2-Dichloroethane-d4		*115 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: Toluene-d8		*97.6 %*	*70-130*	*12/02/22*	*12/02/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2249063
Gasoline Range Organics (C6-C10)	**236**	100	5	12/02/22	12/02/22	
Surrogate: Bromofluorobenzene		*98.3 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: 1,2-Dichloroethane-d4		*115 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: Toluene-d8		*97.6 %*	*70-130*	*12/02/22*	*12/02/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2249066
Diesel Range Organics (C10-C28)	**11100**	500	20	12/02/22	12/02/22	
Oil Range Organics (C28-C36)	**4590**	1000	20	12/02/22	12/02/22	
Surrogate: n-Nonane		*157 %*	*50-200*	*12/02/22*	*12/02/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2249069
Chloride	**24.1**	20.0	1	12/02/22	12/02/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/16/2022 10:30:00AM

BH75A

E212010-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2249063
Benzene	ND	0.0250	1	12/02/22	12/02/22	
Ethylbenzene	ND	0.0250	1	12/02/22	12/02/22	
Toluene	ND	0.0250	1	12/02/22	12/02/22	
o-Xylene	ND	0.0250	1	12/02/22	12/02/22	
p,m-Xylene	ND	0.0500	1	12/02/22	12/02/22	
Total Xylenes	ND	0.0250	1	12/02/22	12/02/22	
Surrogate: Bromofluorobenzene		*107 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: 1,2-Dichloroethane-d4		*111 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: Toluene-d8		*92.3 %*	*70-130*	*12/02/22*	*12/02/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2249063
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/22	12/02/22	
Surrogate: Bromofluorobenzene		*107 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: 1,2-Dichloroethane-d4		*111 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: Toluene-d8		*92.3 %*	*70-130*	*12/02/22*	*12/02/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2249066
Diesel Range Organics (C10-C28)	**49.2**	25.0	1	12/02/22	12/02/22	
Oil Range Organics (C28-C36)	**73.4**	50.0	1	12/02/22	12/02/22	
Surrogate: n-Nonane		*110 %*	*50-200*	*12/02/22*	*12/02/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2249069
Chloride	**35.9**	20.0	1	12/02/22	12/02/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/16/2022 10:30:00AM

BH76A

E212010-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2249063
Benzene	**0.335**	0.125	5	12/02/22	12/02/22	
Ethylbenzene	**9.13**	0.125	5	12/02/22	12/02/22	
Toluene	**3.82**	0.125	5	12/02/22	12/02/22	
o-Xylene	**5.88**	0.125	5	12/02/22	12/02/22	
p,m-Xylene	**10.2**	0.250	5	12/02/22	12/02/22	
Total Xylenes	**16.1**	0.125	5	12/02/22	12/02/22	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: 1,2-Dichloroethane-d4		*118 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: Toluene-d8		*93.7 %*	*70-130*	*12/02/22*	*12/02/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2249063
Gasoline Range Organics (C6-C10)	**297**	100	5	12/02/22	12/02/22	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: 1,2-Dichloroethane-d4		*118 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: Toluene-d8		*93.7 %*	*70-130*	*12/02/22*	*12/02/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2249066
Diesel Range Organics (C10-C28)	**6570**	500	20	12/02/22	12/02/22	
Oil Range Organics (C28-C36)	**2660**	1000	20	12/02/22	12/02/22	
Surrogate: n-Nonane		*141 %*	*50-200*	*12/02/22*	*12/02/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2249069
Chloride	**21.6**	20.0	1	12/02/22	12/02/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/16/2022 10:30:00AM

SW40A

E212010-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2249063
Benzene	ND	0.0250	1	12/02/22	12/02/22	
Ethylbenzene	**0.0930**	0.0250	1	12/02/22	12/02/22	
Toluene	ND	0.0250	1	12/02/22	12/02/22	
o-Xylene	**0.0360**	0.0250	1	12/02/22	12/02/22	
p,m-Xylene	**0.0965**	0.0500	1	12/02/22	12/02/22	
Total Xylenes	**0.133**	0.0250	1	12/02/22	12/02/22	
Surrogate: Bromofluorobenzene		*98.6 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: 1,2-Dichloroethane-d4		*99.9 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*12/02/22*	*12/02/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2249063
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/22	12/02/22	
Surrogate: Bromofluorobenzene		*98.6 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: 1,2-Dichloroethane-d4		*99.9 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*12/02/22*	*12/02/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2249066
Diesel Range Organics (C10-C28)	**467**	25.0	1	12/02/22	12/02/22	
Oil Range Organics (C28-C36)	**225**	50.0	1	12/02/22	12/02/22	
Surrogate: n-Nonane		*106 %*	*50-200*	*12/02/22*	*12/02/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2249069
Chloride	ND	20.0	1	12/02/22	12/02/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/16/2022 10:30:00AM

BH63B

E212010-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2249063
Benzene	ND	0.0250	1	12/02/22	12/02/22	
Ethylbenzene	ND	0.0250	1	12/02/22	12/02/22	
Toluene	ND	0.0250	1	12/02/22	12/02/22	
o-Xylene	ND	0.0250	1	12/02/22	12/02/22	
p,m-Xylene	ND	0.0500	1	12/02/22	12/02/22	
Total Xylenes	ND	0.0250	1	12/02/22	12/02/22	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: 1,2-Dichloroethane-d4		*114 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: Toluene-d8		*93.1 %*	*70-130*	*12/02/22*	*12/02/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2249063
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/22	12/02/22	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: 1,2-Dichloroethane-d4		*114 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: Toluene-d8		*93.1 %*	*70-130*	*12/02/22*	*12/02/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2249066
Diesel Range Organics (C10-C28)	**82.8**	25.0	1	12/02/22	12/02/22	
Oil Range Organics (C28-C36)	**94.0**	50.0	1	12/02/22	12/02/22	
Surrogate: n-Nonane		*104 %*	*50-200*	*12/02/22*	*12/02/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2249069
Chloride	**51.8**	20.0	1	12/02/22	12/02/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/16/2022 10:30:00AM

BH64B

E212010-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2249063
Benzene	ND	0.0250	1	12/02/22	12/02/22	
Ethylbenzene	ND	0.0250	1	12/02/22	12/02/22	
Toluene	ND	0.0250	1	12/02/22	12/02/22	
o-Xylene	ND	0.0250	1	12/02/22	12/02/22	
p,m-Xylene	ND	0.0500	1	12/02/22	12/02/22	
Total Xylenes	ND	0.0250	1	12/02/22	12/02/22	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: 1,2-Dichloroethane-d4		*115 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: Toluene-d8		*94.2 %*	*70-130*	*12/02/22*	*12/02/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2249063
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/22	12/02/22	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: 1,2-Dichloroethane-d4		*115 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: Toluene-d8		*94.2 %*	*70-130*	*12/02/22*	*12/02/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2249066
Diesel Range Organics (C10-C28)	**25.1**	25.0	1	12/02/22	12/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/22	12/02/22	
Surrogate: n-Nonane		*107 %*	*50-200*	*12/02/22*	*12/02/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2249069
Chloride	ND	20.0	1	12/02/22	12/02/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/16/2022 10:30:00AM

BH66B

E212010-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2249063
Benzene	ND	0.0250	1	12/02/22	12/02/22	
Ethylbenzene	ND	0.0250	1	12/02/22	12/02/22	
Toluene	ND	0.0250	1	12/02/22	12/02/22	
o-Xylene	ND	0.0250	1	12/02/22	12/02/22	
p,m-Xylene	ND	0.0500	1	12/02/22	12/02/22	
Total Xylenes	ND	0.0250	1	12/02/22	12/02/22	
Surrogate: Bromofluorobenzene		*95.9 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: 1,2-Dichloroethane-d4		*112 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: Toluene-d8		*86.5 %*	*70-130*	*12/02/22*	*12/02/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2249063
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/22	12/02/22	
Surrogate: Bromofluorobenzene		*95.9 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: 1,2-Dichloroethane-d4		*112 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: Toluene-d8		*86.5 %*	*70-130*	*12/02/22*	*12/02/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2249066
Diesel Range Organics (C10-C28)	ND	50.0	2	12/02/22	12/02/22	
Oil Range Organics (C28-C36)	ND	100	2	12/02/22	12/02/22	
Surrogate: n-Nonane		*105 %*	*50-200*	*12/02/22*	*12/02/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2249069
Chloride	**88.5**	20.0	1	12/02/22	12/02/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/16/2022 10:30:00AM

BH - 46D

E212010-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2249063
Benzene	ND	0.0250	1	12/02/22	12/02/22	
Ethylbenzene	**0.0275**	0.0250	1	12/02/22	12/02/22	
Toluene	ND	0.0250	1	12/02/22	12/02/22	
o-Xylene	ND	0.0250	1	12/02/22	12/02/22	
p,m-Xylene	ND	0.0500	1	12/02/22	12/02/22	
Total Xylenes	ND	0.0250	1	12/02/22	12/02/22	
Surrogate: Bromofluorobenzene		*96.8 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*12/02/22*	*12/02/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2249063
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/22	12/02/22	
Surrogate: Bromofluorobenzene		*96.8 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*12/02/22*	*12/02/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2249066
Diesel Range Organics (C10-C28)	**156**	25.0	1	12/02/22	12/02/22	
Oil Range Organics (C28-C36)	**272**	50.0	1	12/02/22	12/02/22	
Surrogate: n-Nonane		*108 %*	*50-200*	*12/02/22*	*12/02/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2249069
Chloride	**30.3**	20.0	1	12/02/22	12/02/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/16/2022 10:30:00AM

BH - 47D

E212010-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2249063
Benzene	ND	0.0250	1	12/02/22	12/02/22	
Ethylbenzene	ND	0.0250	1	12/02/22	12/02/22	
Toluene	ND	0.0250	1	12/02/22	12/02/22	
o-Xylene	ND	0.0250	1	12/02/22	12/02/22	
p,m-Xylene	ND	0.0500	1	12/02/22	12/02/22	
Total Xylenes	ND	0.0250	1	12/02/22	12/02/22	
Surrogate: Bromofluorobenzene		*96.1 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: 1,2-Dichloroethane-d4		*96.9 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*12/02/22*	*12/02/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2249063
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/22	12/02/22	
Surrogate: Bromofluorobenzene		*96.1 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: 1,2-Dichloroethane-d4		*96.9 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*12/02/22*	*12/02/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2249066
Diesel Range Organics (C10-C28)	**41.7**	25.0	1	12/02/22	12/02/22	
Oil Range Organics (C28-C36)	**72.1**	50.0	1	12/02/22	12/02/22	
Surrogate: n-Nonane		*103 %*	*50-200*	*12/02/22*	*12/02/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2249069
Chloride	**180**	20.0	1	12/02/22	12/02/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/16/2022 10:30:00AM

SW22C

E212010-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2249063
Benzene	ND	0.0250	1	12/02/22	12/02/22	
Ethylbenzene	ND	0.0250	1	12/02/22	12/02/22	
Toluene	ND	0.0250	1	12/02/22	12/02/22	
o-Xylene	ND	0.0250	1	12/02/22	12/02/22	
p,m-Xylene	ND	0.0500	1	12/02/22	12/02/22	
Total Xylenes	ND	0.0250	1	12/02/22	12/02/22	
Surrogate: Bromofluorobenzene		*97.8 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*12/02/22*	*12/02/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2249063
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/22	12/02/22	
Surrogate: Bromofluorobenzene		*97.8 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*12/02/22*	*12/02/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2249066
Diesel Range Organics (C10-C28)	**134**	125	5	12/02/22	12/02/22	
Oil Range Organics (C28-C36)	ND	250	5	12/02/22	12/02/22	
Surrogate: n-Nonane		*99.4 %*	*50-200*	*12/02/22*	*12/02/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2249069
Chloride	ND	20.0	1	12/02/22	12/02/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/16/2022 10:30:00AM

SW29C

E212010-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2249063
Benzene	ND	0.0250	1	12/02/22	12/02/22	
Ethylbenzene	ND	0.0250	1	12/02/22	12/02/22	
Toluene	ND	0.0250	1	12/02/22	12/02/22	
o-Xylene	ND	0.0250	1	12/02/22	12/02/22	
p,m-Xylene	ND	0.0500	1	12/02/22	12/02/22	
Total Xylenes	ND	0.0250	1	12/02/22	12/02/22	
Surrogate: Bromofluorobenzene		*95.1 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: 1,2-Dichloroethane-d4		*99.9 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*12/02/22*	*12/02/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2249063
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/22	12/02/22	
Surrogate: Bromofluorobenzene		*95.1 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: 1,2-Dichloroethane-d4		*99.9 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*12/02/22*	*12/02/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2249066
Diesel Range Organics (C10-C28)	**158**	125	5	12/02/22	12/02/22	
Oil Range Organics (C28-C36)	ND	250	5	12/02/22	12/02/22	
Surrogate: n-Nonane		*109 %*	*50-200*	*12/02/22*	*12/02/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2249069
Chloride	**21.1**	20.0	1	12/02/22	12/02/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/16/2022 10:30:00AM

SW - 28D

E212010-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2249063
Benzene	ND	0.0250	1	12/02/22	12/02/22	
Ethylbenzene	ND	0.0250	1	12/02/22	12/02/22	
Toluene	ND	0.0250	1	12/02/22	12/02/22	
o-Xylene	ND	0.0250	1	12/02/22	12/02/22	
p,m-Xylene	ND	0.0500	1	12/02/22	12/02/22	
Total Xylenes	ND	0.0250	1	12/02/22	12/02/22	
Surrogate: Bromofluorobenzene		*97.9 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: 1,2-Dichloroethane-d4		*98.8 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*12/02/22*	*12/02/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2249063
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/22	12/02/22	
Surrogate: Bromofluorobenzene		*97.9 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: 1,2-Dichloroethane-d4		*98.8 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*12/02/22*	*12/02/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2249066
Diesel Range Organics (C10-C28)	**56.4**	50.0	2	12/02/22	12/02/22	
Oil Range Organics (C28-C36)	**108**	100	2	12/02/22	12/02/22	
Surrogate: n-Nonane		*103 %*	*50-200*	*12/02/22*	*12/02/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2249069
Chloride	ND	20.0	1	12/02/22	12/02/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/16/2022 10:30:00AM

SW45A

E212010-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2249063
Benzene	ND	0.0250	1	12/02/22	12/02/22	
Ethylbenzene	ND	0.0250	1	12/02/22	12/02/22	
Toluene	ND	0.0250	1	12/02/22	12/02/22	
o-Xylene	ND	0.0250	1	12/02/22	12/02/22	
p,m-Xylene	ND	0.0500	1	12/02/22	12/02/22	
Total Xylenes	ND	0.0250	1	12/02/22	12/02/22	
Surrogate: Bromofluorobenzene		*97.9 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*12/02/22*	*12/02/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2249063
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/22	12/02/22	
Surrogate: Bromofluorobenzene		*97.9 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*12/02/22*	*12/02/22*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*12/02/22*	*12/02/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2249066
Diesel Range Organics (C10-C28)	ND	25.0	1	12/02/22	12/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/02/22	12/02/22	
Surrogate: n-Nonane		*102 %*	*50-200*	*12/02/22*	*12/02/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2249069
Chloride	ND	20.0	1	12/02/22	12/02/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/16/2022 10:30:00AM

SW32B

E212010-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2249064
Benzene	ND	0.0250	1	12/02/22	12/02/22	
Ethylbenzene	ND	0.0250	1	12/02/22	12/02/22	
Toluene	ND	0.0250	1	12/02/22	12/02/22	
o-Xylene	ND	0.0250	1	12/02/22	12/02/22	
p,m-Xylene	ND	0.0500	1	12/02/22	12/02/22	
Total Xylenes	ND	0.0250	1	12/02/22	12/02/22	
Surrogate: 4-Bromochlorobenzene-PID		*99.6 %*	*70-130*	*12/02/22*	*12/02/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2249064
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/22	12/02/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.4 %*	*70-130*	*12/02/22*	*12/02/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2249067
Diesel Range Organics (C10-C28)	ND	50.0	2	12/02/22	12/02/22	
Oil Range Organics (C28-C36)	ND	100	2	12/02/22	12/02/22	
Surrogate: n-Nonane		*105 %*	*50-200*	*12/02/22*	*12/02/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2249070
Chloride	**120**	20.0	1	12/02/22	12/02/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/16/2022 10:30:00AM

SW21C

E212010-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2249064
Benzene	ND	0.0250	1	12/02/22	12/02/22	
Ethylbenzene	ND	0.0250	1	12/02/22	12/02/22	
Toluene	ND	0.0250	1	12/02/22	12/02/22	
o-Xylene	ND	0.0250	1	12/02/22	12/02/22	
p,m-Xylene	ND	0.0500	1	12/02/22	12/02/22	
Total Xylenes	ND	0.0250	1	12/02/22	12/02/22	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*12/02/22*	*12/02/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2249064
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/22	12/02/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.5 %*	*70-130*	*12/02/22*	*12/02/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2249067
Diesel Range Organics (C10-C28)	**70.0**	25.0	1	12/02/22	12/02/22	
Oil Range Organics (C28-C36)	**89.8**	50.0	1	12/02/22	12/02/22	
Surrogate: n-Nonane		*111 %*	*50-200*	*12/02/22*	*12/02/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2249070
Chloride	ND	20.0	1	12/02/22	12/02/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/16/2022 10:30:00AM

SW42A

E212010-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2249064
Benzene	ND	0.0250	1	12/02/22	12/02/22	
Ethylbenzene	**0.204**	0.0250	1	12/02/22	12/02/22	
Toluene	ND	0.0250	1	12/02/22	12/02/22	
o-Xylene	**0.165**	0.0250	1	12/02/22	12/02/22	
p,m-Xylene	**0.127**	0.0500	1	12/02/22	12/02/22	
Total Xylenes	**0.292**	0.0250	1	12/02/22	12/02/22	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*12/02/22*	*12/02/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2249064
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/22	12/02/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.0 %*	*70-130*	*12/02/22*	*12/02/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2249067
Diesel Range Organics (C10-C28)	**4110**	125	5	12/02/22	12/02/22	
Oil Range Organics (C28-C36)	**3400**	250	5	12/02/22	12/02/22	
Surrogate: n-Nonane		*107 %*	*50-200*	*12/02/22*	*12/02/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2249070
Chloride	**41.1**	20.0	1	12/02/22	12/02/22	

QC Summary Data

GHD	Project Name:	12574110 Robinson	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/16/2022 10:30:00AM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2249063-BLK1)									Prepared: 12/02/22 Analyzed: 12/02/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.490*		*0.500*		*97.9*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.496*		*0.500*		*99.2*	*70-130*			
Surrogate: Toluene-d8	*0.528*		*0.500*		*106*	*70-130*			
LCS (2249063-BS1)									Prepared: 12/02/22 Analyzed: 12/02/22
Benzene	2.13	0.0250	2.50		85.3	70-130			
Ethylbenzene	2.19	0.0250	2.50		87.7	70-130			
Toluene	2.12	0.0250	2.50		84.7	70-130			
o-Xylene	2.08	0.0250	2.50		83.1	70-130			
p,m-Xylene	4.13	0.0500	5.00		82.5	70-130			
Total Xylenes	6.20	0.0250	7.50		82.7	70-130			
Surrogate: Bromofluorobenzene	*0.506*		*0.500*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.498*		*0.500*		*99.6*	*70-130*			
Surrogate: Toluene-d8	*0.523*		*0.500*		*105*	*70-130*			
Matrix Spike (2249063-MS1)				**Source: E212010-01**					Prepared: 12/02/22 Analyzed: 12/02/22
Benzene	2.34	0.0250	2.50	ND	93.8	48-131			
Ethylbenzene	2.36	0.0250	2.50	ND	94.6	45-135			
Toluene	2.31	0.0250	2.50	ND	92.2	48-130			
o-Xylene	2.26	0.0250	2.50	ND	90.6	43-135			
p,m-Xylene	4.49	0.0500	5.00	ND	89.8	43-135			
Total Xylenes	6.75	0.0250	7.50	ND	90.0	43-135			
Surrogate: Bromofluorobenzene	*0.506*		*0.500*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.495*		*0.500*		*98.9*	*70-130*			
Surrogate: Toluene-d8	*0.518*		*0.500*		*104*	*70-130*			
Matrix Spike Dup (2249063-MSD1)				**Source: E212010-01**					Prepared: 12/02/22 Analyzed: 12/02/22
Benzene	2.34	0.0250	2.50	ND	93.6	48-131	0.171	23	
Ethylbenzene	2.40	0.0250	2.50	ND	96.1	45-135	1.62	27	
Toluene	2.33	0.0250	2.50	ND	93.3	48-130	1.19	24	
o-Xylene	2.30	0.0250	2.50	ND	91.8	43-135	1.34	27	
p,m-Xylene	4.54	0.0500	5.00	ND	90.9	43-135	1.20	27	
Total Xylenes	6.84	0.0250	7.50	ND	91.2	43-135	1.24	27	
Surrogate: Bromofluorobenzene	*0.515*		*0.500*		*103*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.508*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.517*		*0.500*		*103*	*70-130*			

QC Summary Data

GHD	Project Name:	12574110 Robinson	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/16/2022 10:30:00AM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2249064-BLK1)									Prepared: 12/02/22 Analyzed: 12/02/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*8.01*		*8.00*		*100*	*70-130*			
LCS (2249064-BS1)									Prepared: 12/02/22 Analyzed: 12/02/22
Benzene	4.78	0.0250	5.00		95.6	70-130			
Ethylbenzene	4.91	0.0250	5.00		98.2	70-130			
Toluene	5.03	0.0250	5.00		101	70-130			
o-Xylene	5.09	0.0250	5.00		102	70-130			
p,m-Xylene	9.94	0.0500	10.0		99.4	70-130			
Total Xylenes	15.0	0.0250	15.0		100	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.99*		*8.00*		*99.9*	*70-130*			
Matrix Spike (2249064-MS1)				**Source: E212009-02**					Prepared: 12/02/22 Analyzed: 12/05/22
Benzene	4.56	0.0250	5.00	ND	91.2	54-133			
Ethylbenzene	4.70	0.0250	5.00	ND	94.1	61-133			
Toluene	4.82	0.0250	5.00	ND	96.3	61-130			
o-Xylene	4.84	0.0250	5.00	ND	96.8	63-131			
p,m-Xylene	9.57	0.0500	10.0	ND	95.7	63-131			
Total Xylenes	14.4	0.0250	15.0	ND	96.1	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.92*		*8.00*		*99.1*	*70-130*			
Matrix Spike Dup (2249064-MSD1)				**Source: E212009-02**					Prepared: 12/02/22 Analyzed: 12/02/22
Benzene	4.88	0.0250	5.00	ND	97.6	54-133	6.75	20	
Ethylbenzene	5.01	0.0250	5.00	ND	100	61-133	6.39	20	
Toluene	5.11	0.0250	5.00	ND	102	61-130	5.95	20	
o-Xylene	5.16	0.0250	5.00	ND	103	63-131	6.31	20	
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131	5.88	20	
Total Xylenes	15.3	0.0250	15.0	ND	102	63-131	6.03	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.17*		*8.00*		*102*	*70-130*			

QC Summary Data

GHD	Project Name:	12574110 Robinson	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/16/2022 10:30:00AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2249063-BLK1)									Prepared: 12/02/22 Analyzed: 12/02/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.490*		*0.500*		*97.9*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.496*		*0.500*		*99.2*	*70-130*			
Surrogate: Toluene-d8	*0.528*		*0.500*		*106*	*70-130*			
LCS (2249063-BS2)									Prepared: 12/02/22 Analyzed: 12/02/22
Gasoline Range Organics (C6-C10)	47.9	20.0	50.0		95.8	70-130			
Surrogate: Bromofluorobenzene	*0.497*		*0.500*		*99.4*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.509*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.519*		*0.500*		*104*	*70-130*			
Matrix Spike (2249063-MS2)				**Source: E212010-01**					Prepared: 12/02/22 Analyzed: 12/02/22
Gasoline Range Organics (C6-C10)	49.8	20.0	50.0	ND	99.5	70-130			
Surrogate: Bromofluorobenzene	*0.492*		*0.500*		*98.4*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.465*		*0.500*		*92.9*	*70-130*			
Surrogate: Toluene-d8	*0.519*		*0.500*		*104*	*70-130*			
Matrix Spike Dup (2249063-MSD2)				**Source: E212010-01**					Prepared: 12/02/22 Analyzed: 12/02/22
Gasoline Range Organics (C6-C10)	50.4	20.0	50.0	ND	101	70-130	1.15	20	
Surrogate: Bromofluorobenzene	*0.501*		*0.500*		*100*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.506*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.520*		*0.500*		*104*	*70-130*			

QC Summary Data

GHD	Project Name:	12574110 Robinson	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/16/2022 10:30:00AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2249064-BLK1)									Prepared: 12/02/22 Analyzed: 12/02/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.50*		*8.00*		*93.7*	*70-130*			
LCS (2249064-BS2)									Prepared: 12/02/22 Analyzed: 12/02/22
Gasoline Range Organics (C6-C10)	43.2	20.0	50.0		86.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.31*		*8.00*		*91.4*	*70-130*			
Matrix Spike (2249064-MS2)				**Source: E212009-02**					Prepared: 12/02/22 Analyzed: 12/05/22
Gasoline Range Organics (C6-C10)	51.0	20.0	50.0	ND	102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.26*		*8.00*		*90.7*	*70-130*			
Matrix Spike Dup (2249064-MSD2)				**Source: E212009-02**					Prepared: 12/02/22 Analyzed: 12/02/22
Gasoline Range Organics (C6-C10)	47.0	20.0	50.0	ND	94.1	70-130	8.15	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.10*		*8.00*		*88.8*	*70-130*			

QC Summary Data

GHD	Project Name:	12574110 Robinson	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/16/2022 10:30:00AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2249066-BLK1)									Prepared: 12/02/22 Analyzed: 12/02/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*58.4*		*50.0*		*117*	*50-200*			
LCS (2249066-BS1)									Prepared: 12/02/22 Analyzed: 12/02/22
Diesel Range Organics (C10-C28)	255	25.0	250		102	38-132			
Surrogate: n-Nonane	*53.9*		*50.0*		*108*	*50-200*			
Matrix Spike (2249066-MS1)				**Source: E212010-11**					Prepared: 12/02/22 Analyzed: 12/02/22
Diesel Range Organics (C10-C28)	801	25.0	250	467	134	38-132			M2
Surrogate: n-Nonane	*54.7*		*50.0*		*109*	*50-200*			
Matrix Spike Dup (2249066-MSD1)				**Source: E212010-11**					Prepared: 12/02/22 Analyzed: 12/02/22
Diesel Range Organics (C10-C28)	816	25.0	250	467	140	38-132	1.88	20	M2
Surrogate: n-Nonane	*54.5*		*50.0*		*109*	*50-200*			

QC Summary Data

GHD	Project Name:	12574110 Robinson	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/16/2022 10:30:00AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2249067-BLK1)									Prepared: 12/02/22 Analyzed: 12/02/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*55.2*		*50.0*		*110*	*50-200*			
LCS (2249067-BS1)									Prepared: 12/02/22 Analyzed: 12/02/22
Diesel Range Organics (C10-C28)	246	25.0	250		98.4	38-132			
Surrogate: n-Nonane	*55.2*		*50.0*		*110*	*50-200*			
Matrix Spike (2249067-MS1)				**Source: E212010-24**					Prepared: 12/02/22 Analyzed: 12/02/22
Diesel Range Organics (C10-C28)	238	25.0	250	ND	95.1	38-132			
Surrogate: n-Nonane	*51.0*		*50.0*		*102*	*50-200*			
Matrix Spike Dup (2249067-MSD1)				**Source: E212010-24**					Prepared: 12/02/22 Analyzed: 12/02/22
Diesel Range Organics (C10-C28)	245	25.0	250	ND	98.2	38-132	3.17	20	
Surrogate: n-Nonane	*54.0*		*50.0*		*108*	*50-200*			

QC Summary Data

GHD	Project Name:	12574110 Robinson	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/16/2022 10:30:00AM

Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2249069-BLK1)									Prepared: 12/02/22 Analyzed: 12/02/22
Chloride	ND	20.0							
LCS (2249069-BS1)									Prepared: 12/02/22 Analyzed: 12/02/22
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2249069-MS1)				**Source: E212010-01**					Prepared: 12/02/22 Analyzed: 12/02/22
Chloride	658	20.0	250	388	108	80-120			
Matrix Spike Dup (2249069-MSD1)				**Source: E212010-01**					Prepared: 12/02/22 Analyzed: 12/02/22
Chloride	557	20.0	250	388	67.6	80-120	16.7	20	M2

QC Summary Data

GHD	Project Name:	12574110 Robinson	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/16/2022 10:30:00AM

Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2249070-BLK1)									Prepared: 12/02/22 Analyzed: 12/02/22
Chloride	ND	20.0							
LCS (2249070-BS1)									Prepared: 12/02/22 Analyzed: 12/02/22
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2249070-MS1)				**Source: E212010-21**					Prepared: 12/02/22 Analyzed: 12/02/22
Chloride	257	20.0	250	ND	103	80-120			
Matrix Spike Dup (2249070-MSD1)				**Source: E212010-21**					Prepared: 12/02/22 Analyzed: 12/02/22
Chloride	258	20.0	250	ND	103	80-120	0.637	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/16/22 10:30

M2	Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 1/17/2023 10:41:10 AM
Received by OCD: 12/19/2022 1:41:21 PM

Project Information

Chain of Custody

Client: GHD	**Bill To**
Project: 12574110 Robinson	Attention: EOG Amber Griffin
Project Manager: Nate Reece / JT Murrey	Address: 1045 4th St.
Address:6121 Indian School Rd. NE St. 200	City, State, Zip: Artesia, NM 88210
City, State, Zip: Albuquerque, NM 87110	Phone:
Phone:(281)386-7158	Email: amber_griffin@eogresources.com
Email: nate.reece@ghd.com	
Report due by:	

Lab Use Only

Lab WO# E212010 | Job Number 19034-0001

TAT: 1D / 2D / 3D / Standard

EPA Program: CWA / SDWA / RCRA

State: NM / CO / UT / AZ / TX

Analysis and Method: TPH GRO/DRO/ORO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC NM | GDOC TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
1415	1130	S	1	BH11C	1	X	X			X			
1420				BH68A	2								
1425				BH69A	3								
1430				BH71A	4								
1435				SW36A	5								
1445				SW37A	6								
1450				BH73A	7								
1455				BH74A	8								
1500				BH75A	9								
1505				BH76A	10								

Additional Instructions: Please email results to: amber_griffin@eogresources.com; chase_settle@eogresources.com; jt.murrey@ghd.com; liam.giersdorf@ghd.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Liam Giersdorf

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	1201	0800	Michelle R. Cyp	12-1-22	0800
Michelle R. Cyp.	12-01-22	1625	Caitlin Christian	12/2/22	11:30

Lab Use Only — Received on ice: (Y) / N

T1 ____ T2 ____ T3 ____

AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other ____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, **v** - VOA

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Received by OCD: 12/19/2022 1:41:21 PM

Project Information | Chain of Custody | Page 2 of 3

Client: GHD	**Bill To**
Project: 12574110 Robinson	Attention: EOG Amber Griffin
Project Manager: Nate Reece / JT Murrey	Address: 1045 4th St.
Address:6121 Indian School Rd. NE St. 200	City, State, Zip: Artesia, NM 88210
City, State, Zip: Albuquerque, NM 87110	Phone:
Phone:(281)386-7158	Email: amber_griffin@eogresources.com
Email: nate.reece@ghd.com	
Report due by:	

Lab Use Only

Lab WO#	Job Number
E212010	19034-0001

TAT: 1D / 2D / 3D / Standard

EPA Program: CWA / SDWA / RCRA

State: NM / CO / UT / AZ / TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
1510	1130	S	1	SW40A	11	X	X			X			
1515				BH63B	12								
1520				BH64B	13								
1525				BH66B	14								
1530				BH46C	15								
1535				BH47C	16								
1540				SW22C	17								
1545				SW29C	18								
1550				SW28C	19								
1555				SW45A	20								

Additional Instructions: Please email results to: amber_griffin@eogresources.com; chase_settle@eogresources.com; jt.murrey@ghd.com; liam.giersdorf@ghd.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Liam Giersdorf

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	12-01	0800	Michelle R. Gay	12-01-22	0800
Michelle R. Gay	12-01-22	1625	Carlos Chatu	12/2/22	11:30
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other _____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

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Project Information | Chain of Custody | Page 3 of 3

Client: GHD	**Bill To**
Project: 12574110 Robinson	Attention: EOG Amber Griffin
Project Manager: Nate Reece / JT Murrey	Address: 1045 4th St.
Address:6121 Indian School Rd. NE St. 200	City, State, Zip: Artesia, NM 88210
City, State, Zip: Albuquerque, NM 87110	Phone:
Phone:(281)386-7158	Email: amber_griffin@eogresources.com
Email: nate.reece@ghd.com	
Report due by:	

Lab Use Only		TAT				EPA Program	
Lab WO# E 212010	Job Number 19034-0001	1D	2D	3D	Standard	CWA	SDWA
							RCRA
						State	
						NM	CO UT AZ TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
1600	1130	S	1	SW31B	21	X	X			X			
1605				SW32B	22								
1610				SW33B	23								
1615				SW34B	24								
1620				SW21C	25								
1625				SW42A	26								

Additional Instructions: Please email results to: amber_griffin@eogresources.com; chase_settle@eogresources.com; jt.murrey@ghd.com; liam.giersdorf@ghd.com

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Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	1201	0800	Michelle R. Cyr	12-01-22	0800
Michelle R. Cyr	12-01-22	1625	Caitlin Christian	12/2/22	11:30

Lab Use Only
Received on ice: (Y) N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other _____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

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Envirotech Analytical Laboratory

Printed: 12/2/2022 12:29:31PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	GHD	Date Received:	12/02/22 11:30	Work Order ID:	E212010
Phone:	(505) 884-0672	Date Logged In:	12/02/22 08:51	Logged In By:	Caitlin Christian
Email:	nate.reece@ghd.com	Due Date:	12/02/22 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: UPS
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	No	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: na

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

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Received by OCD: 12/19/2022 1:41:21 PM

Project Information

Chain of Custody

Client: GHD	**Bill To**	Lab Use Only	TAT / EPA Program
Project: 17574110 Robinson	Attention: EOG Amber Griffin	Lab WO# E212010	Job Number 19034-0001
Project Manager: Nate Reece / JT Murrey	Address: 1045 4th St.	1D 2D 3D Standard	CWA SDWA RCRA
Address:6121 Indian School Rd. NE St. 200	City, State, Zip: Artesia, NM 88210		
City, State, Zip: Albuquerque, NM 87110	Phone:		
Phone:(281)386-7158	Email: amber_griffin@eogresources.com		
Email: nate.reece@ghd.com			
Report due by:			

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
1415	1130	S	1	BH11C	1	X	X			X			
1420				BH68A	2								
1425				BH69A	3								
1430				BH71A	4								
1435				SW36A	5								
1445				SW37A	6								
1450				BH73A	7								
1455				BH74A	8								
1500				BH75A	9								
1505				BH76A	10								

State: NM / CO / UT / AZ / TX

Additional Instructions: Please email results to: amber_griffin@eogresources.com; chase_settle@eogresources.com; jt.murrey@ghd.com; liam.giersdorf@ghd.com

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Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	1201	0900	[signature]	12-1-22	0800
[signature]	12-01-22	1625	[signature]	12/2/22	11:30
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
Received on ice: (Y) N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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Project Information | Chain of Custody | Page 2 of 3

Client: GHD	**Bill To**
Project: 12574110 Robinson	Attention: EOG Amber Griffin
Project Manager: Nate Reece / JT Murrey	Address: 1045 4th St.
Address:6121 Indian School Rd. NE St. 200	City, State, Zip: Artesia, NM 88210
City, State, Zip: Albuquerque, NM 87110	Phone:
Phone:(281)386-7158	Email: amber_griffin@eogresources.com
Email: nate.reece@ghd.com	
Report due by:	

Lab Use Only

Lab WO#	Job Number
E212010	19034-0001

TAT: 1D / 2D / 3D / Standard

EPA Program: CWA / SDWA / RCRA

State: NM / CO / UT / AZ / TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
1510	1130	S	1	SW40A	11	X	X			X			
1515				BH63B	12								
1520				BH64B	13								
1525				BH66B	14								
1530				BH46C	15								
1535				BH47C	16								
1540				SW22C	17								
1545				SW29C	18								
1550				SW28C	19								
1555				SW45A	20								

Additional Instructions: Please email results to: amber_griffin@eogresources.com; chase_settle@eogresources.com; jt.murrey@ghd.com; liam.giersdorf@ghd.com

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Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	1201	0800	Michelle R. Gay	12-01-22	0800
Michelle R. Gay	12-01-22	1625	Carter Chitwood	12/2/22	11:30
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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Project Information | Chain of Custody | Page 3 of 3

Client: GHD	**Bill To**
Project: 12574110 Robinson	Attention: EOG Amber Griffin
Project Manager: Nate Reece / JT Murrey	Address: 1045 4th St.
Address:6121 Indian School Rd. NE St. 200	City, State, Zip: Artesia, NM 88210
City, State, Zip: Albuquerque, NM 87110	Phone:
Phone:(281)386-7158	Email: amber_griffin@eogresources.com
Email: nate.reece@ghd.com	
Report due by:	

Lab Use Only

Lab WO# E 212010 | Job Number 19034-0001

TAT: 1D / | 2D | 3D | Standard

EPA Program: CWA | SDWA | RCRA

State: NM / | CO | UT | AZ | TX

Analysis and Method: TPH GRO/DRO/ORO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC NM | GDOC TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH	BTEX	Chloride	Remarks
1600	1130	S	1	SW31B DoNotReport	21	X	X	X	
1605				SW32B	22				
1610				SW33B DoNotReport	23				
1615				SW34B DoNotReport	24				
1620				SW21C DoNotReport	25				
1625				SW42A	26				
				-Remove samples from Report per N. Reece 12/1/22 ALA					

Additional Instructions: Please email results to: amber_griffin@eogresources.com; chase_settle@eogresources.com; jt.murrey@ghd.com; liam.giersdorf@ghd.com

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Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	1201	0800	[signature]	12-01-22	0800
[signature]	12-01-22	1625	[signature]	12/2/22	11:30

Lab Use Only
Received on ice: (Y) N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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Project Information

Chain of Custody

Client: GHD	**Bill To**
Project: 1257411O Robinson	Attention: EOG Amber Griffin
Project Manager: Nate Reece / JT Murrey	Address: 1045 4th St.
Address:6121 Indian School Rd. NE St. 200	City, State, Zip: Artesia, NM 88210
City, State, Zip: Albuquerque, NM 87110	Phone:
Phone:(281)386-7158	Email: amber_griffin@eogresources.com
Email: nate.reece@ghd.com	
Report due by:	

Lab Use Only		TAT				EPA Program	
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
E212010	19034-0001						
							RCRA
						State	
						NM / CO	UT / AZ / TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
1415	1130	S	1	~~BH11E~~ BH-11D	1	X	X			X			
1420				BH68A	2								
1425				BH69A	3								
1430				BH71A	4								
1435				SW36A	5								
1445				SW37A	6								
1450				BH73A	7								
1455				BH74A	8								
1500				BH75A	9								
1505				BH76A	10								

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Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	1201	0800	[signature]	12-1-22	0800
[signature]	12-01-22	1625	[signature]	12/2/22	11:30

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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Project Information | Chain of Custody | Page 2 of 3

Client: GHD	**Bill To**
Project: 12574110 Robinson	Attention: EOG Amber Griffin
Project Manager: Nate Reece / JT Murrey	Address: 1045 4th St.
Address:6121 Indian School Rd. NE St. 200	City, State, Zip: Artesia, NM 88210
City, State, Zip: Albuquerque, NM 87110	Phone:
Phone:(281)386-7158	Email: amber_griffin@eogresources.com
Email: nate.reece@ghd.com	
Report due by:	

Lab Use Only

Lab WO# EZ12010 | Job Number 19034-0001

TAT: 1D / 2D / 3D / Standard

EPA Program: CWA / SDWA / RCRA

State: NM / CO / UT / AZ / TX

Analysis and Method

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
1510	1130	S	1	SW40A	11	X	X			X			
1515				BH63B	12								
1520				BH64B	13								
1525				BH66B	14								
1530				~~BH466~~ BH-46D	15								
1535				~~BH476~~ BH-47D	16								
1540				SW22C	17								
1545				SW29C	18								
1550				~~SW286~~ SW-28D	19								
1555				SW45A	20								

Additional Instructions: Please email results to: amber_griffin@eogresources.com; chase_settle@eogresources.com; jt.murrey@ghd.com; liam.giersdorf@ghd.com

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Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	1201	0800	Michelle R. Gutierrez	12-01-22	0800
Michelle R. Gutierrez	12-01-22	1625	[signature]	12/2/22	11:30
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
Received on ice: (Y) / N
T1 ____ T2 ____ T3 ____
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other ____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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Project Information | Chain of Custody | Page 3 of 3

Client: GHD	**Bill To**
Project: 12574110 Robinson	Attention: EOG Amber Griffin
Project Manager: Nate Reece / JT Murrey	Address: 1045 4th St.
Address:6121 Indian School Rd. NE St. 200	City, State, Zip: Artesia, NM 88210
City, State, Zip: Albuquerque, NM 87110	Phone:
Phone:(281)386-7158	Email: amber_griffin@eogresources.com
Email: nate.reece@ghd.com	
Report due by:	

Lab Use Only		TAT				EPA Program	
Lab WO# E 212010	Job Number 19034-0001	1D	2D	3D	Standard	CWA	SDWA
							RCRA

State: NM ✓ | CO | UT | AZ | TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
1600	1130	S	1	SW31B	21	X	X			X			
1605				SW32B	22								
1610				SW33B	23								
1615				SW34B	24								
1620				SW21C	25								
1625				SW42A	26								
				Client asked to Change									
				Sample names. 12/6/22 CC									

Additional Instructions: Please email results to: amber_griffin@eogresources.com; chase_settle@eogresources.com; jt.murrey@ghd.com; liam.giersdorf@ghd.com

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Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	1201	0800	Michelle R. Cyte	12-01-22	0800
Michelle R. Cyte	12-01-22	1625	Caitlin Chute	12/2/22	11:30

Lab Use Only
Received on ice: (Y) N
T1 _____ T2 _____ T3 _____
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

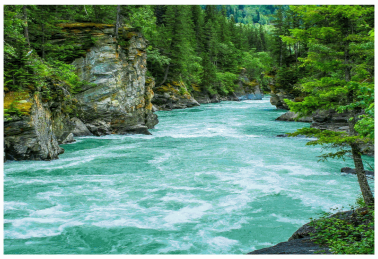
envirotech

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Report to:

Nate Reece









5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

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Practical Solutions for a Better Tomorrow

Analytical Report

GHD

Project Name:	12574110 Robinson
Work Order:	E212018
Job Number:	19034-0001
Received:	12/5/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/6/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 12/6/22

Nate Reece
6121 Indian School Rd. NE #200
Albuquerque, NM 87110

Project Name: 12574110 Robinson
Workorder: E212018
Date Received: 12/5/2022 8:10:00AM

Nate Reece,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/5/2022 8:10:00AM, under the Project Name: 12574110 Robinson.

The analytical test results summarized in this report with the Project Name: 12574110 Robinson apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

GHD	Project Name:	12574110 Robinson	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/06/22 14:43

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW46	E212018-01A	Soil	12/02/22	12/05/22	Glass Jar, 2 oz.
SW47	E212018-02A	Soil	12/02/22	12/05/22	Glass Jar, 2 oz.
SW48	E212018-03A	Soil	12/02/22	12/05/22	Glass Jar, 2 oz.
SW49	E212018-04A	Soil	12/02/22	12/05/22	Glass Jar, 2 oz.
SW50	E212018-05A	Soil	12/02/22	12/05/22	Glass Jar, 2 oz.
SW51	E212018-06A	Soil	12/02/22	12/05/22	Glass Jar, 2 oz.
SW52	E212018-07A	Soil	12/02/22	12/05/22	Glass Jar, 2 oz.
SW53	E212018-08A	Soil	12/02/22	12/05/22	Glass Jar, 2 oz.
SW54	E212018-09A	Soil	12/02/22	12/05/22	Glass Jar, 2 oz.
SW55	E212018-10A	Soil	12/02/22	12/05/22	Glass Jar, 2 oz.
SW56	E212018-11A	Soil	12/02/22	12/05/22	Glass Jar, 2 oz.
SW57	E212018-12A	Soil	12/02/22	12/05/22	Glass Jar, 2 oz.

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/6/2022 2:43:28PM

SW46

E212018-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2250009
Benzene	ND	0.0250	1	12/05/22	12/05/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/05/22	
Toluene	ND	0.0250	1	12/05/22	12/05/22	
o-Xylene	ND	0.0250	1	12/05/22	12/05/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/05/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/05/22	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*12/05/22*	*12/05/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2250009
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.2 %*	*70-130*	*12/05/22*	*12/05/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2250002
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/22	12/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/22	12/05/22	
Surrogate: n-Nonane		*112 %*	*50-200*	*12/05/22*	*12/05/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2250010
Chloride	**35.2**	20.0	1	12/05/22	12/05/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/6/2022 2:43:28PM

SW47

E212018-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2250009
Benzene	ND	0.0250	1	12/05/22	12/06/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/06/22	
Toluene	ND	0.0250	1	12/05/22	12/06/22	
o-Xylene	ND	0.0250	1	12/05/22	12/06/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/06/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/06/22	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*12/05/22*	*12/06/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2250009
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/06/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.1 %*	*70-130*	*12/05/22*	*12/06/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2250002
Diesel Range Organics (C10-C28)	**96.5**	25.0	1	12/05/22	12/05/22	
Oil Range Organics (C28-C36)	**102**	50.0	1	12/05/22	12/05/22	
Surrogate: n-Nonane		*120 %*	*50-200*	*12/05/22*	*12/05/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2250010
Chloride	ND	20.0	1	12/05/22	12/05/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/6/2022 2:43:28PM

SW48

E212018-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2250009
Benzene	ND	0.0250	1	12/05/22	12/05/22	
Ethylbenzene	**5.04**	0.0250	1	12/05/22	12/05/22	
Toluene	**0.900**	0.0250	1	12/05/22	12/05/22	
o-Xylene	**2.56**	0.0250	1	12/05/22	12/05/22	
p,m-Xylene	**3.28**	0.0500	1	12/05/22	12/05/22	
Total Xylenes	**5.84**	0.0250	1	12/05/22	12/05/22	
Surrogate: 4-Bromochlorobenzene-PID		*122 %*	*70-130*	*12/05/22*	*12/05/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2250009
Gasoline Range Organics (C6-C10)	**105**	20.0	1	12/05/22	12/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*106 %*	*70-130*	*12/05/22*	*12/05/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2250002
Diesel Range Organics (C10-C28)	**4570**	250	10	12/05/22	12/05/22	
Oil Range Organics (C28-C36)	**2360**	500	10	12/05/22	12/05/22	
Surrogate: n-Nonane		*144 %*	*50-200*	*12/05/22*	*12/05/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2250010
Chloride	**69.5**	20.0	1	12/05/22	12/05/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/6/2022 2:43:28PM

SW49

E212018-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2250009
Benzene	ND	0.0250	1	12/05/22	12/05/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/05/22	
Toluene	ND	0.0250	1	12/05/22	12/05/22	
o-Xylene	ND	0.0250	1	12/05/22	12/05/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/05/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/05/22	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*12/05/22*	*12/05/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2250009
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.2 %*	*70-130*	*12/05/22*	*12/05/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2250002
Diesel Range Organics (C10-C28)	**911**	50.0	2	12/05/22	12/05/22	
Oil Range Organics (C28-C36)	**609**	100	2	12/05/22	12/05/22	
Surrogate: n-Nonane		*116 %*	*50-200*	*12/05/22*	*12/05/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2250010
Chloride	ND	20.0	1	12/05/22	12/05/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/6/2022 2:43:28PM

SW50

E212018-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2250009
Benzene	ND	0.0250	1	12/05/22	12/05/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/05/22	
Toluene	ND	0.0250	1	12/05/22	12/05/22	
o-Xylene	ND	0.0250	1	12/05/22	12/05/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/05/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/05/22	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*12/05/22*	*12/05/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2250009
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.2 %*	*70-130*	*12/05/22*	*12/05/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2250002
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/22	12/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/22	12/05/22	
Surrogate: n-Nonane		*104 %*	*50-200*	*12/05/22*	*12/05/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2250010
Chloride	ND	20.0	1	12/05/22	12/05/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/6/2022 2:43:28PM

SW51

E212018-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2250009
Benzene	ND	0.0250	1	12/05/22	12/05/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/05/22	
Toluene	ND	0.0250	1	12/05/22	12/05/22	
o-Xylene	ND	0.0250	1	12/05/22	12/05/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/05/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/05/22	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*12/05/22*	*12/05/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2250009
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.4 %*	*70-130*	*12/05/22*	*12/05/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2250002
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/22	12/05/22	
Oil Range Organics (C28-C36)	**68.6**	50.0	1	12/05/22	12/05/22	
Surrogate: n-Nonane		*102 %*	*50-200*	*12/05/22*	*12/05/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2250010
Chloride	ND	20.0	1	12/05/22	12/05/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/6/2022 2:43:28PM

SW52

E212018-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2250009
Benzene	ND	0.0250	1	12/05/22	12/05/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/05/22	
Toluene	ND	0.0250	1	12/05/22	12/05/22	
o-Xylene	ND	0.0250	1	12/05/22	12/05/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/05/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/05/22	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*12/05/22*	*12/05/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2250009
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.3 %*	*70-130*	*12/05/22*	*12/05/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2250002
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/22	12/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/22	12/05/22	
Surrogate: n-Nonane		*107 %*	*50-200*	*12/05/22*	*12/05/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2250010
Chloride	ND	20.0	1	12/05/22	12/05/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/6/2022 2:43:28PM

SW53

E212018-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2250009
Benzene	ND	0.0250	1	12/05/22	12/05/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/05/22	
Toluene	ND	0.0250	1	12/05/22	12/05/22	
o-Xylene	ND	0.0250	1	12/05/22	12/05/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/05/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/05/22	
Surrogate: 4-Bromochlorobenzene-PID		*110 %*	*70-130*	*12/05/22*	*12/05/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2250009
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*101 %*	*70-130*	*12/05/22*	*12/05/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2250002
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/22	12/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/22	12/05/22	
Surrogate: n-Nonane		*100 %*	*50-200*	*12/05/22*	*12/05/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2250010
Chloride	ND	20.0	1	12/05/22	12/05/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/6/2022 2:43:28PM

SW54

E212018-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2250009
Benzene	ND	0.0250	1	12/05/22	12/05/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/05/22	
Toluene	ND	0.0250	1	12/05/22	12/05/22	
o-Xylene	ND	0.0250	1	12/05/22	12/05/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/05/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/05/22	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*12/05/22*	*12/05/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2250009
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.9 %*	*70-130*	*12/05/22*	*12/05/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2250002
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/22	12/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/22	12/05/22	
Surrogate: n-Nonane		*102 %*	*50-200*	*12/05/22*	*12/05/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2250010
Chloride	ND	20.0	1	12/05/22	12/05/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/6/2022 2:43:28PM

SW55

E212018-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2250009
Benzene	ND	0.0250	1	12/05/22	12/05/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/05/22	
Toluene	ND	0.0250	1	12/05/22	12/05/22	
o-Xylene	ND	0.0250	1	12/05/22	12/05/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/05/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/05/22	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*12/05/22*	*12/05/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2250009
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.7 %*	*70-130*	*12/05/22*	*12/05/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2250002
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/22	12/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/22	12/05/22	
Surrogate: n-Nonane		*103 %*	*50-200*	*12/05/22*	*12/05/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2250010
Chloride	ND	20.0	1	12/05/22	12/05/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/6/2022 2:43:28PM

SW56

E212018-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2250009
Benzene	ND	0.0250	1	12/05/22	12/05/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/05/22	
Toluene	ND	0.0250	1	12/05/22	12/05/22	
o-Xylene	ND	0.0250	1	12/05/22	12/05/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/05/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/05/22	
Surrogate: 4-Bromochlorobenzene-PID		*99.4 %*	*70-130*	*12/05/22*	*12/05/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2250009
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.8 %*	*70-130*	*12/05/22*	*12/05/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2250002
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/22	12/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/22	12/05/22	
Surrogate: n-Nonane		*100 %*	*50-200*	*12/05/22*	*12/05/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2250010
Chloride	**20.8**	20.0	1	12/05/22	12/05/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/6/2022 2:43:28PM

SW57

E212018-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2250009
Benzene	ND	0.0250	1	12/05/22	12/05/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/05/22	
Toluene	ND	0.0250	1	12/05/22	12/05/22	
o-Xylene	ND	0.0250	1	12/05/22	12/05/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/05/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/05/22	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*12/05/22*	*12/05/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2250009
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*101 %*	*70-130*	*12/05/22*	*12/05/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2250002
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/22	12/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/22	12/05/22	
Surrogate: n-Nonane		*94.6 %*	*50-200*	*12/05/22*	*12/05/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2250010
Chloride	**87.3**	20.0	1	12/05/22	12/05/22	

QC Summary Data

GHD	Project Name:	12574110 Robinson	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/6/2022 2:43:28PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2250009-BLK1)									Prepared: 12/05/22 Analyzed: 12/05/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.94*		*8.00*		*99.2*	*70-130*			
LCS (2250009-BS1)									Prepared: 12/05/22 Analyzed: 12/05/22
Benzene	5.62	0.0250	5.00		112	70-130			
Ethylbenzene	5.79	0.0250	5.00		116	70-130			
Toluene	5.88	0.0250	5.00		118	70-130			
o-Xylene	5.94	0.0250	5.00		119	70-130			
p,m-Xylene	11.7	0.0500	10.0		117	70-130			
Total Xylenes	17.7	0.0250	15.0		118	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.99*		*8.00*		*99.9*	*70-130*			
LCS Dup (2250009-BSD1)									Prepared: 12/05/22 Analyzed: 12/05/22
Benzene	5.23	0.0250	5.00		105	70-130	7.14	20	
Ethylbenzene	5.36	0.0250	5.00		107	70-130	7.77	20	
Toluene	5.46	0.0250	5.00		109	70-130	7.46	20	
o-Xylene	5.51	0.0250	5.00		110	70-130	7.52	20	
p,m-Xylene	10.9	0.0500	10.0		109	70-130	7.59	20	
Total Xylenes	16.4	0.0250	15.0		109	70-130	7.57	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.03*		*8.00*		*100*	*70-130*			

QC Summary Data

GHD	Project Name:	12574110 Robinson	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/6/2022 2:43:28PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2250009-BLK1)									Prepared: 12/05/22 Analyzed: 12/05/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.82*		*8.00*		*97.8*	*70-130*			
LCS (2250009-BS2)									Prepared: 12/05/22 Analyzed: 12/06/22
Gasoline Range Organics (C6-C10)	53.2	20.0	50.0		106	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.83*		*8.00*		*97.9*	*70-130*			
LCS Dup (2250009-BSD2)									Prepared: 12/05/22 Analyzed: 12/06/22
Gasoline Range Organics (C6-C10)	52.6	20.0	50.0		105	70-130	1.03	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.88*		*8.00*		*98.5*	*70-130*			

QC Summary Data

GHD	Project Name:	12574110 Robinson	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/6/2022 2:43:28PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2250002-BLK1)									Prepared: 12/05/22 Analyzed: 12/05/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*62.6*		*50.0*		*125*	*50-200*			
LCS (2250002-BS1)									Prepared: 12/05/22 Analyzed: 12/05/22
Diesel Range Organics (C10-C28)	256	25.0	250		102	38-132			
Surrogate: n-Nonane	*52.1*		*50.0*		*104*	*50-200*			
Matrix Spike (2250002-MS1)				**Source: E212018-05**					Prepared: 12/05/22 Analyzed: 12/05/22
Diesel Range Organics (C10-C28)	245	25.0	250	ND	98.0	38-132			
Surrogate: n-Nonane	*51.7*		*50.0*		*103*	*50-200*			
Matrix Spike Dup (2250002-MSD1)				**Source: E212018-05**					Prepared: 12/05/22 Analyzed: 12/05/22
Diesel Range Organics (C10-C28)	241	25.0	250	ND	96.3	38-132	1.76	20	
Surrogate: n-Nonane	*49.5*		*50.0*		*99.0*	*50-200*			

QC Summary Data

GHD	Project Name:	12574110 Robinson	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/6/2022 2:43:28PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2250010-BLK1)									Prepared: 12/05/22 Analyzed: 12/05/22
Chloride	ND	20.0							
LCS (2250010-BS1)									Prepared: 12/05/22 Analyzed: 12/05/22
Chloride	246	20.0	250		98.4	90-110			
Matrix Spike (2250010-MS1)				**Source: E212018-01**					Prepared: 12/05/22 Analyzed: 12/05/22
Chloride	275	20.0	250	35.2	96.0	80-120			
Matrix Spike Dup (2250010-MSD1)				**Source: E212018-01**					Prepared: 12/05/22 Analyzed: 12/05/22
Chloride	278	20.0	250	35.2	97.2	80-120	1.04	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/06/22 14:43

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 1/17/2023 10:41:10 AM
Received by OCD: 12/19/2022 1:41:21 PM

Project Information | Chain of Custody | Page 1 of 1

Client: GHD Project: 12574110 Robinson Project Manager: Nate Reece / JT Murrey Address:6121 Indian School Rd. NE St. 200 City, State, Zip: Albuquerque, NM 87110 Phone:(281)386-7158 Email: nate.reece@ghd.com Report due by:	**Bill To** Attention: EOG Amber Griffin Address: 1045 4th St. City, State, Zip: Artesia, NM 88210 Phone: Email: amber_griffin@eogresources.com	Lab Use Only Lab WO# E 212018 Job Number 19034-0001 TAT: 1D / 2D / 3D / Standard EPA Program: CWA / SDWA / RCRA State: NM / CO / UT / AZ / TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
845	1202	S	1	SW46	1	X	X			X			
850	"	"	"	SW47	2								
855				SW48	3								
900				SW49	4								
905				SW50	5								
910				SW51	6								
915				SW52	7								
920				SW53	8								
925				SW54	9								
930				SW55	10								

Additional Instructions: Please email results to: amber_griffin@eogresources.com; chase_settle@eogresources.com; jt.murrey@ghd.com; liam.giersdorf@ghd.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Liam Giersdorf

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	1202	1130	Michelle Gaycle	12-2-22	1130
Michelle Gaycle	12-3-22	1800	Caitlin Christ	12/5/22	8:10

Lab Use Only
Received on ice: (Y) / N
T1 ____ T2 ____ T3 ____
AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other _____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Released to Imaging: 1/17/2023 10:41:10 AM
Received by OCD: 12/19/2022 1:41:21 PM

Project Information | Chain of Custody | Page 2 of 2

Client: GHD	**Bill To**
Project: 12574110 Robinson	Attention: EOG Amber Griffin
Project Manager: Nate Reece / JT Murrey	Address: 1045 4th St.
Address:6121 Indian School Rd. NE St. 200	City, State, Zip: Artesia, NM 88210
City, State, Zip: Albuquerque, NM 87110	Phone:
Phone:(281)386-7158	Email: amber_griffin@eogresources.com
Email: nate.reece@ghd.com	
Report due by:	

Lab Use Only		TAT				EPA Program	
Lab WO# E212018	Job Number 19034-0001	1D	2D	3D	Standard	CWA	SDWA
		✓					
							RCRA
						State	
						NM ✓	CO / UT / AZ / TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
935	1202	S	1	SW 56	11	X	X			X			
940	1202	S	#1	SW 57	12	X	X			X			

Additional Instructions: Please email results to: amber_griffin@eogresources.com; chase_settle@eogresources.com; jt.murrey@ghd.com; liam.giersdorf@ghd.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Liam Giersdorf

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	1202	1130	Michelle Cuyat	12-2-22	1130
Michelle Cuyat	12-3-22	1800	Cuthe Chute	12/5/22	8:10

Lab Use Only
Received on ice: (Y) N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other _____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Envirotech Analytical Laboratory

Printed: 12/5/2022 11:38:57AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	GHD	Date Received:	12/05/22 08:10	Work Order ID:	E212018
Phone:	(505) 884-0672	Date Logged In:	12/02/22 16:25	Logged In By:	Caitlin Christian
Email:	nate.reece@ghd.com	Due Date:	12/05/22 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filteration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: na

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

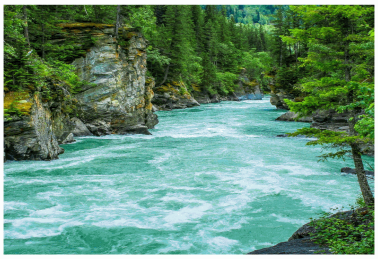
Date

envirotech Inc.

Report to:

Nate Reece









5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

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Practical Solutions for a Better Tomorrow

Analytical Report

GHD

Project Name:	12574110 Robinson
Work Order:	E212054
Job Number:	19034-0001
Received:	12/9/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/12/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 12/12/22

Nate Reece
6121 Indian School Rd. NE #200
Albuquerque, NM 87110

Project Name: 12574110 Robinson
Workorder: E212054
Date Received: 12/9/2022 10:40:00AM

Nate Reece,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/9/2022 10:40:00AM, under the Project Name: 12574110 Robinson.

The analytical test results summarized in this report with the Project Name: 12574110 Robinson apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

GHD	Project Name:	12574110 Robinson	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/12/22 16:21

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW22D	E212054-01A	Soil	12/07/22	12/09/22	Glass Jar, 2 oz.
SW29D	E212054-02A	Soil	12/07/22	12/09/22	Glass Jar, 2 oz.
SW28E	E212054-03A	Soil	12/07/22	12/09/22	Glass Jar, 2 oz.
BH46E	E212054-04A	Soil	12/07/22	12/09/22	Glass Jar, 2 oz.
BH63C	E212054-05A	Soil	12/07/22	12/09/22	Glass Jar, 2 oz.
BH68B	E212054-06A	Soil	12/07/22	12/09/22	Glass Jar, 2 oz.
BH71B	E212054-07A	Soil	12/07/22	12/09/22	Glass Jar, 2 oz.
SW37B	E212054-08A	Soil	12/07/22	12/09/22	Glass Jar, 2 oz.
BH73B	E212054-09A	Soil	12/07/22	12/09/22	Glass Jar, 2 oz.
BH74B	E212054-10A	Soil	12/07/22	12/09/22	Glass Jar, 2 oz.
BH75B	E212054-11A	Soil	12/07/22	12/09/22	Glass Jar, 2 oz.
BH76B	E212054-12A	Soil	12/07/22	12/09/22	Glass Jar, 2 oz.
SW40B	E212054-13A	Soil	12/07/22	12/09/22	Glass Jar, 2 oz.
SW49A	E212054-14A	Soil	12/07/22	12/09/22	Glass Jar, 2 oz.
SW42B	E212054-15A	Soil	12/07/22	12/09/22	Glass Jar, 2 oz.
SW21D	E212054-16A	Soil	12/07/22	12/09/22	Glass Jar, 2 oz.
SW47A	E212054-17A	Soil	12/07/22	12/09/22	Glass Jar, 2 oz.

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/12/2022 4:21:04PM

SW22D

E212054-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2250085
Benzene	ND	0.0250	1	12/09/22	12/09/22	
Ethylbenzene	ND	0.0250	1	12/09/22	12/09/22	
Toluene	ND	0.0250	1	12/09/22	12/09/22	
o-Xylene	ND	0.0250	1	12/09/22	12/09/22	
p,m-Xylene	ND	0.0500	1	12/09/22	12/09/22	
Total Xylenes	ND	0.0250	1	12/09/22	12/09/22	
Surrogate: 4-Bromochlorobenzene-PID		*96.0 %*	*70-130*	*12/09/22*	*12/09/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2250085
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/22	12/09/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.3 %*	*70-130*	*12/09/22*	*12/09/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2250082
Diesel Range Organics (C10-C28)	**70.6**	50.0	2	12/09/22	12/09/22	
Oil Range Organics (C28-C36)	**278**	100	2	12/09/22	12/09/22	
Surrogate: n-Nonane		*105 %*	*50-200*	*12/09/22*	*12/09/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2250088
Chloride	ND	20.0	1	12/09/22	12/09/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/12/2022 4:21:04PM

SW29D

E212054-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2250085
Benzene	ND	0.0250	1	12/09/22	12/09/22	
Ethylbenzene	ND	0.0250	1	12/09/22	12/09/22	
Toluene	ND	0.0250	1	12/09/22	12/09/22	
o-Xylene	ND	0.0250	1	12/09/22	12/09/22	
p,m-Xylene	ND	0.0500	1	12/09/22	12/09/22	
Total Xylenes	ND	0.0250	1	12/09/22	12/09/22	
Surrogate: 4-Bromochlorobenzene-PID		*97.3 %*	*70-130*	*12/09/22*	*12/09/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2250085
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/22	12/09/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.0 %*	*70-130*	*12/09/22*	*12/09/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2250082
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/22	12/09/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/09/22	12/09/22	
Surrogate: n-Nonane		*105 %*	*50-200*	*12/09/22*	*12/09/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2250088
Chloride	ND	20.0	1	12/09/22	12/09/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/12/2022 4:21:04PM

SW28E

E212054-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2250085
Benzene	ND	0.0250	1	12/09/22	12/09/22	
Ethylbenzene	ND	0.0250	1	12/09/22	12/09/22	
Toluene	ND	0.0250	1	12/09/22	12/09/22	
o-Xylene	ND	0.0250	1	12/09/22	12/09/22	
p,m-Xylene	ND	0.0500	1	12/09/22	12/09/22	
Total Xylenes	ND	0.0250	1	12/09/22	12/09/22	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*12/09/22*	*12/09/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2250085
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/22	12/09/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*102 %*	*70-130*	*12/09/22*	*12/09/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2250082
Diesel Range Organics (C10-C28)	**54.3**	25.0	1	12/09/22	12/09/22	
Oil Range Organics (C28-C36)	**98.3**	50.0	1	12/09/22	12/09/22	
Surrogate: n-Nonane		*104 %*	*50-200*	*12/09/22*	*12/09/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2250088
Chloride	ND	20.0	1	12/09/22	12/09/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/12/2022 4:21:04PM

BH46E

E212054-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2250085
Benzene	ND	0.0250	1	12/09/22	12/09/22	
Ethylbenzene	ND	0.0250	1	12/09/22	12/09/22	
Toluene	ND	0.0250	1	12/09/22	12/09/22	
o-Xylene	ND	0.0250	1	12/09/22	12/09/22	
p,m-Xylene	ND	0.0500	1	12/09/22	12/09/22	
Total Xylenes	ND	0.0250	1	12/09/22	12/09/22	
Surrogate: 4-Bromochlorobenzene-PID		*107 %*	*70-130*	*12/09/22*	*12/09/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2250085
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/22	12/09/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*101 %*	*70-130*	*12/09/22*	*12/09/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2250082
Diesel Range Organics (C10-C28)	**51.2**	50.0	2	12/09/22	12/09/22	
Oil Range Organics (C28-C36)	**186**	100	2	12/09/22	12/09/22	
Surrogate: n-Nonane		*84.6 %*	*50-200*	*12/09/22*	*12/09/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2250088
Chloride	**22.8**	20.0	1	12/09/22	12/09/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/12/2022 4:21:04PM

BH63C

E212054-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2250085
Benzene	ND	0.0250	1	12/09/22	12/09/22	
Ethylbenzene	ND	0.0250	1	12/09/22	12/09/22	
Toluene	ND	0.0250	1	12/09/22	12/09/22	
o-Xylene	ND	0.0250	1	12/09/22	12/09/22	
p,m-Xylene	ND	0.0500	1	12/09/22	12/09/22	
Total Xylenes	ND	0.0250	1	12/09/22	12/09/22	
Surrogate: 4-Bromochlorobenzene-PID		*109 %*	*70-130*	*12/09/22*	*12/09/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2250085
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/22	12/09/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*102 %*	*70-130*	*12/09/22*	*12/09/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2250082
Diesel Range Organics (C10-C28)	**40.2**	25.0	1	12/09/22	12/09/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/09/22	12/09/22	
Surrogate: n-Nonane		*103 %*	*50-200*	*12/09/22*	*12/09/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2250088
Chloride	**171**	20.0	1	12/09/22	12/09/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/12/2022 4:21:04PM

BH68B

E212054-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2250085
Benzene	ND	0.0250	1	12/09/22	12/09/22	
Ethylbenzene	ND	0.0250	1	12/09/22	12/09/22	
Toluene	ND	0.0250	1	12/09/22	12/09/22	
o-Xylene	ND	0.0250	1	12/09/22	12/09/22	
p,m-Xylene	ND	0.0500	1	12/09/22	12/09/22	
Total Xylenes	ND	0.0250	1	12/09/22	12/09/22	
Surrogate: 4-Bromochlorobenzene-PID		*109 %*	*70-130*	*12/09/22*	*12/09/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2250085
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/22	12/09/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*101 %*	*70-130*	*12/09/22*	*12/09/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2250082
Diesel Range Organics (C10-C28)	**36.8**	25.0	1	12/09/22	12/09/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/09/22	12/09/22	
Surrogate: n-Nonane		*111 %*	*50-200*	*12/09/22*	*12/09/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2250088
Chloride	**1660**	40.0	2	12/09/22	12/09/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/12/2022 4:21:04PM

BH71B

E212054-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2250085
Benzene	ND	0.0250	1	12/09/22	12/09/22	
Ethylbenzene	ND	0.0250	1	12/09/22	12/09/22	
Toluene	ND	0.0250	1	12/09/22	12/09/22	
o-Xylene	ND	0.0250	1	12/09/22	12/09/22	
p,m-Xylene	ND	0.0500	1	12/09/22	12/09/22	
Total Xylenes	ND	0.0250	1	12/09/22	12/09/22	
Surrogate: 4-Bromochlorobenzene-PID		*110 %*	*70-130*	*12/09/22*	*12/09/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2250085
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/22	12/09/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*101 %*	*70-130*	*12/09/22*	*12/09/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2250082
Diesel Range Organics (C10-C28)	**333**	250	10	12/09/22	12/09/22	
Oil Range Organics (C28-C36)	ND	500	10	12/09/22	12/09/22	
Surrogate: n-Nonane		*126 %*	*50-200*	*12/09/22*	*12/09/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2250088
Chloride	**35.1**	20.0	1	12/09/22	12/09/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/12/2022 4:21:04PM

SW37B

E212054-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2250085
Benzene	ND	0.0250	1	12/09/22	12/09/22	
Ethylbenzene	ND	0.0250	1	12/09/22	12/09/22	
Toluene	ND	0.0250	1	12/09/22	12/09/22	
o-Xylene	ND	0.0250	1	12/09/22	12/09/22	
p,m-Xylene	ND	0.0500	1	12/09/22	12/09/22	
Total Xylenes	ND	0.0250	1	12/09/22	12/09/22	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*12/09/22*	*12/09/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2250085
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/22	12/09/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.7 %*	*70-130*	*12/09/22*	*12/09/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2250082
Diesel Range Organics (C10-C28)	**510**	250	10	12/09/22	12/09/22	
Oil Range Organics (C28-C36)	ND	500	10	12/09/22	12/09/22	
Surrogate: n-Nonane		*124 %*	*50-200*	*12/09/22*	*12/09/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2250088
Chloride	ND	20.0	1	12/09/22	12/09/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/12/2022 4:21:04PM

BH73B

E212054-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2250085
Benzene	**0.0257**	0.0250	1	12/09/22	12/09/22	
Ethylbenzene	**1.16**	0.0250	1	12/09/22	12/09/22	
Toluene	**0.185**	0.0250	1	12/09/22	12/09/22	
o-Xylene	**0.257**	0.0250	1	12/09/22	12/09/22	
p,m-Xylene	**1.08**	0.0500	1	12/09/22	12/09/22	
Total Xylenes	**1.33**	0.0250	1	12/09/22	12/09/22	
Surrogate: 4-Bromochlorobenzene-PID		*113 %*	*70-130*	*12/09/22*	*12/09/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2250085
Gasoline Range Organics (C6-C10)	**36.1**	20.0	1	12/09/22	12/09/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*102 %*	*70-130*	*12/09/22*	*12/09/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2250082
Diesel Range Organics (C10-C28)	**1090**	500	20	12/09/22	12/09/22	
Oil Range Organics (C28-C36)	ND	1000	20	12/09/22	12/09/22	
Surrogate: n-Nonane		*154 %*	*50-200*	*12/09/22*	*12/09/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2250088
Chloride	**126**	20.0	1	12/09/22	12/09/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/12/2022 4:21:04PM

BH74B

E212054-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2250085
Benzene	**0.0985**	0.0250	1	12/09/22	12/09/22	
Ethylbenzene	**3.59**	0.0250	1	12/09/22	12/09/22	
Toluene	**0.753**	0.0250	1	12/09/22	12/09/22	
o-Xylene	**0.993**	0.0250	1	12/09/22	12/09/22	
p,m-Xylene	**3.29**	0.0500	1	12/09/22	12/09/22	
Total Xylenes	**4.28**	0.0250	1	12/09/22	12/09/22	
Surrogate: 4-Bromochlorobenzene-PID		*119 %*	*70-130*	*12/09/22*	*12/09/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2250085
Gasoline Range Organics (C6-C10)	**87.3**	20.0	1	12/09/22	12/09/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*107 %*	*70-130*	*12/09/22*	*12/09/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2250082
Diesel Range Organics (C10-C28)	**1760**	500	20	12/09/22	12/09/22	
Oil Range Organics (C28-C36)	ND	1000	20	12/09/22	12/09/22	
Surrogate: n-Nonane		*144 %*	*50-200*	*12/09/22*	*12/09/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2250088
Chloride	**44.8**	20.0	1	12/09/22	12/09/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/12/2022 4:21:04PM

BH75B

E212054-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2250085
Benzene	ND	0.0250	1	12/09/22	12/09/22	
Ethylbenzene	ND	0.0250	1	12/09/22	12/09/22	
Toluene	ND	0.0250	1	12/09/22	12/09/22	
o-Xylene	ND	0.0250	1	12/09/22	12/09/22	
p,m-Xylene	ND	0.0500	1	12/09/22	12/09/22	
Total Xylenes	ND	0.0250	1	12/09/22	12/09/22	
Surrogate: 4-Bromochlorobenzene-PID		*110 %*	*70-130*	*12/09/22*	*12/09/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2250085
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/22	12/09/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.5 %*	*70-130*	*12/09/22*	*12/09/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2250082
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/22	12/09/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/09/22	12/09/22	
Surrogate: n-Nonane		*98.4 %*	*50-200*	*12/09/22*	*12/09/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2250088
Chloride	**156**	20.0	1	12/09/22	12/09/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/12/2022 4:21:04PM

BH76B

E212054-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2250085
Benzene	**0.718**	0.0250	1	12/09/22	12/09/22	
Ethylbenzene	**11.9**	0.0250	1	12/09/22	12/09/22	
Toluene	**4.09**	0.0250	1	12/09/22	12/09/22	
o-Xylene	**5.03**	0.0250	1	12/09/22	12/09/22	
p,m-Xylene	**10.7**	0.0500	1	12/09/22	12/09/22	
Total Xylenes	**15.7**	0.0250	1	12/09/22	12/09/22	
Surrogate: 4-Bromochlorobenzene-PID		*107 %*	*70-130*	*12/09/22*	*12/09/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2250085
Gasoline Range Organics (C6-C10)	**221**	20.0	1	12/09/22	12/09/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*118 %*	*70-130*	*12/09/22*	*12/09/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2250082
Diesel Range Organics (C10-C28)	**6380**	1250	50	12/09/22	12/09/22	
Oil Range Organics (C28-C36)	ND	2500	50	12/09/22	12/09/22	
Surrogate: n-Nonane		*86.9 %*	*50-200*	*12/09/22*	*12/09/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2250088
Chloride	**80.7**	20.0	1	12/09/22	12/09/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/12/2022 4:21:04PM

SW40B

E212054-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2250085
Benzene	ND	0.0250	1	12/09/22	12/09/22	
Ethylbenzene	ND	0.0250	1	12/09/22	12/09/22	
Toluene	ND	0.0250	1	12/09/22	12/09/22	
o-Xylene	ND	0.0250	1	12/09/22	12/09/22	
p,m-Xylene	ND	0.0500	1	12/09/22	12/09/22	
Total Xylenes	ND	0.0250	1	12/09/22	12/09/22	
Surrogate: 4-Bromochlorobenzene-PID		*95.2 %*	*70-130*	*12/09/22*	*12/09/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2250085
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/22	12/09/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.7 %*	*70-130*	*12/09/22*	*12/09/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2250082
Diesel Range Organics (C10-C28)	**2260**	1250	50	12/09/22	12/09/22	
Oil Range Organics (C28-C36)	ND	2500	50	12/09/22	12/09/22	
Surrogate: n-Nonane		*84.3 %*	*50-200*	*12/09/22*	*12/09/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2250088
Chloride	**107**	20.0	1	12/09/22	12/09/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/12/2022 4:21:04PM

SW49A

E212054-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2250085
Benzene	ND	0.0250	1	12/09/22	12/09/22	
Ethylbenzene	ND	0.0250	1	12/09/22	12/09/22	
Toluene	ND	0.0250	1	12/09/22	12/09/22	
o-Xylene	ND	0.0250	1	12/09/22	12/09/22	
p,m-Xylene	ND	0.0500	1	12/09/22	12/09/22	
Total Xylenes	ND	0.0250	1	12/09/22	12/09/22	
Surrogate: 4-Bromochlorobenzene-PID		*87.7 %*	*70-130*	*12/09/22*	*12/09/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2250085
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/22	12/09/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.0 %*	*70-130*	*12/09/22*	*12/09/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2250082
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/22	12/09/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/09/22	12/09/22	
Surrogate: n-Nonane		*103 %*	*50-200*	*12/09/22*	*12/09/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2250088
Chloride	**192**	20.0	1	12/09/22	12/09/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/12/2022 4:21:04PM

SW42B

E212054-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2250085
Benzene	ND	0.0250	1	12/09/22	12/09/22	
Ethylbenzene	**0.748**	0.0250	1	12/09/22	12/09/22	
Toluene	ND	0.0250	1	12/09/22	12/09/22	
o-Xylene	**0.357**	0.0250	1	12/09/22	12/09/22	
p,m-Xylene	**1.55**	0.0500	1	12/09/22	12/09/22	
Total Xylenes	**1.91**	0.0250	1	12/09/22	12/09/22	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*12/09/22*	*12/09/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2250085
Gasoline Range Organics (C6-C10)	**58.5**	20.0	1	12/09/22	12/09/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*106 %*	*70-130*	*12/09/22*	*12/09/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2250082
Diesel Range Organics (C10-C28)	**1220**	500	20	12/09/22	12/09/22	
Oil Range Organics (C28-C36)	ND	1000	20	12/09/22	12/09/22	
Surrogate: n-Nonane		*85.4 %*	*50-200*	*12/09/22*	*12/09/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2250088
Chloride	**42.9**	20.0	1	12/09/22	12/09/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/12/2022 4:21:04PM

SW21D

E212054-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2250085
Benzene	ND	0.0250	1	12/09/22	12/09/22	
Ethylbenzene	ND	0.0250	1	12/09/22	12/09/22	
Toluene	ND	0.0250	1	12/09/22	12/09/22	
o-Xylene	ND	0.0250	1	12/09/22	12/09/22	
p,m-Xylene	ND	0.0500	1	12/09/22	12/09/22	
Total Xylenes	ND	0.0250	1	12/09/22	12/09/22	
Surrogate: 4-Bromochlorobenzene-PID		*98.1 %*	*70-130*	*12/09/22*	*12/09/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2250085
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/22	12/09/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.8 %*	*70-130*	*12/09/22*	*12/09/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2250082
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/22	12/09/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/09/22	12/09/22	
Surrogate: n-Nonane		*91.9 %*	*50-200*	*12/09/22*	*12/09/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2250088
Chloride	**44.7**	20.0	1	12/09/22	12/09/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/12/2022 4:21:04PM

SW47A

E212054-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2250085
Benzene	ND	0.0250	1	12/09/22	12/09/22	
Ethylbenzene	ND	0.0250	1	12/09/22	12/09/22	
Toluene	ND	0.0250	1	12/09/22	12/09/22	
o-Xylene	ND	0.0250	1	12/09/22	12/09/22	
p,m-Xylene	ND	0.0500	1	12/09/22	12/09/22	
Total Xylenes	ND	0.0250	1	12/09/22	12/09/22	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*12/09/22*	*12/09/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2250085
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/22	12/09/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.7 %*	*70-130*	*12/09/22*	*12/09/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2250082
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/22	12/09/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/09/22	12/09/22	
Surrogate: n-Nonane		*107 %*	*50-200*	*12/09/22*	*12/09/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2250088
Chloride	**41.9**	20.0	1	12/09/22	12/09/22	

QC Summary Data

GHD	Project Name:	12574110 Robinson	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/12/2022 4:21:04PM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2250085-BLK1)									Prepared: 12/09/22 Analyzed: 12/09/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*8.51*		*8.00*		*106*	*70-130*			
LCS (2250085-BS1)									Prepared: 12/09/22 Analyzed: 12/09/22
Benzene	5.15	0.0250	5.00		103	70-130			
Ethylbenzene	5.31	0.0250	5.00		106	70-130			
Toluene	5.38	0.0250	5.00		108	70-130			
o-Xylene	5.49	0.0250	5.00		110	70-130			
p,m-Xylene	10.8	0.0500	10.0		108	70-130			
Total Xylenes	16.3	0.0250	15.0		109	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.57*		*8.00*		*107*	*70-130*			
LCS Dup (2250085-BSD1)									Prepared: 12/09/22 Analyzed: 12/09/22
Benzene	4.89	0.0250	5.00		97.8	70-130	5.21	20	
Ethylbenzene	5.06	0.0250	5.00		101	70-130	4.91	20	
Toluene	5.13	0.0250	5.00		103	70-130	4.78	20	
o-Xylene	5.21	0.0250	5.00		104	70-130	5.32	20	
p,m-Xylene	10.2	0.0500	10.0		102	70-130	5.25	20	
Total Xylenes	15.5	0.0250	15.0		103	70-130	5.28	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.66*		*8.00*		*108*	*70-130*			

QC Summary Data

GHD	Project Name:	12574110 Robinson	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/12/2022 4:21:04PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2250085-BLK1)									Prepared: 12/09/22 Analyzed: 12/09/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.20*		*8.00*		*103*	*70-130*			
LCS (2250085-BS2)									Prepared: 12/09/22 Analyzed: 12/09/22
Gasoline Range Organics (C6-C10)	54.3	20.0	50.0		109	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.81*		*8.00*		*97.7*	*70-130*			
LCS Dup (2250085-BSD2)									Prepared: 12/09/22 Analyzed: 12/09/22
Gasoline Range Organics (C6-C10)	57.5	20.0	50.0		115	70-130	5.64	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.80*		*8.00*		*97.5*	*70-130*			

QC Summary Data

GHD	Project Name:	12574110 Robinson	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/12/2022 4:21:04PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2250082-BLK1)									Prepared: 12/09/22 Analyzed: 12/09/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*58.0*		*50.0*		*116*	*50-200*			
LCS (2250082-BS1)									Prepared: 12/09/22 Analyzed: 12/09/22
Diesel Range Organics (C10-C28)	243	25.0	250		97.3	38-132			
Surrogate: n-Nonane	*56.9*		*50.0*		*114*	*50-200*			
Matrix Spike (2250082-MS1)				**Source: E212054-09**					Prepared: 12/09/22 Analyzed: 12/09/22
Diesel Range Organics (C10-C28)	1330	500	250	1090	96.4	38-132			
Surrogate: n-Nonane	*82.0*		*50.0*		*164*	*50-200*			
Matrix Spike Dup (2250082-MSD1)				**Source: E212054-09**					Prepared: 12/09/22 Analyzed: 12/09/22
Diesel Range Organics (C10-C28)	1520	500	250	1090	172	38-132	13.2	20	M4
Surrogate: n-Nonane	*84.1*		*50.0*		*168*	*50-200*			

QC Summary Data

GHD	Project Name:	12574110 Robinson	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/12/2022 4:21:04PM

Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2250088-BLK1)									Prepared: 12/09/22 Analyzed: 12/09/22
Chloride	ND	20.0							
LCS (2250088-BS1)									Prepared: 12/09/22 Analyzed: 12/09/22
Chloride	263	20.0	250		105	90-110			
Matrix Spike (2250088-MS1)				**Source: E212054-01**					Prepared: 12/09/22 Analyzed: 12/09/22
Chloride	276	20.0	250	ND	111	80-120			
Matrix Spike Dup (2250088-MSD1)				**Source: E212054-01**					Prepared: 12/09/22 Analyzed: 12/09/22
Chloride	274	20.0	250	ND	110	80-120	0.935	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/12/22 16:21

M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 1/17/2023 10:41:10 AM
Received by OCD: 12/19/2022 1:41:21 PM

Project Information | Chain of Custody | Page 1 of 2

Client: GHD Project: 125741.10 Robinson Project Manager: Nate Reece / JT Murrey Address:6121 Indian School Rd. NE St. 200 City, State, Zip: Albuquerque, NM 87110 Phone:(281)386-7158 Email: nate.reece@ghd.com Report due by:	**Bill To** Attention: EOG Amber Griffin Address: 1045 4th St. City, State, Zip: Artesia, NM 88210 Phone: Email: amber_griffin@eogresources.com	Lab Use Only Lab WO# E212054 Job Number 19034-0001 TAT: 1D / 2D / 3D / Standard EPA Program: CWA / SDWA / RCRA State: NM / CO / UT / AZ / TX

Analysis and Method: TPH GRO/DRO/ORO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC NM | GDOC TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH	BTEX	Chloride	Remarks
1100	1207	S	1	SW22D	1	X	X	X	
1105				SW29D	2				
1110				~~BH~~SW28D	3				
1115				BH46E	4				
1120				BH63C	5				
1125				BH68B	6				
1130				BH71B	7				
1135				SW37A	8				
1140				BH73B	9				
1145				BH74B	10				

Additional Instructions: Please email results to: amber_griffin@eogresources.com; chase_settle@eogresources.com; jt.murrey@ghd.com; liam.giersdorf@ghd.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Liam Giersdorf

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Liam Giersdorf	1207	1330	Michelle Cyr	12-8-22	10:00
Michelle Cyr	12-8-22	1600	Cartha Chatt	12/9/22	10:40

Lab Use Only: Received on ice: (Y) / N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Released to Imaging: 1/17/2023 10:41:10 AM
Received by OCD: 12/19/2022 1:41:21 PM

Project Information | Chain of Custody | Page 2 of 2

Client: GHD	**Bill To**
Project: 12574110 Robinson	Attention: EOG Amber Griffin
Project Manager: Nate Reece / JT Murrey	Address: 1045 4th St.
Address:6121 Indian School Rd. NE St. 200	City, State, Zip: Artesia, NM 88210
City, State, Zip: Albuquerque, NM 87110	Phone:
Phone:(281)386-7158	Email: amber_griffin@eogresources.com
Email: nate.reece@ghd.com	
Report due by:	

Lab Use Only		TAT				EPA Program	
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
E 212054	19034-0001						
							RCRA

State					
NM	CO	UT	AZ	TX	
✓					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
1150	12/07	S	1	BH75B	11	X	X			X			
1155	↓	↓	↓	BH76B	12	↓	↓			↓			
1200				SW40B	13								
1205				SW49A	14								
1215				SW42B	15								
1220				SW21C	16								
1210	↓	↓	↓	SW47A	17	↓	↓			↓			

Additional Instructions: Please email results to: amber_griffin@eogresources.com; chase_settle@eogresources.com; jt.murrey@ghd.com; liam.giersdorf@ghd.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Liam Giersdorf

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	12/07	1330	Michelle R. Cyr	12-8-22	10:00
Michelle Cyr	12-8-22	1600	Caitlin Chatterton	12/9/22	10:40

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other _____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Envirotech Analytical Laboratory

Printed: 12/9/2022 11:15:56AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	GHD	Date Received:	12/09/22 10:40	Work Order ID:	E212054
Phone:	(505) 884-0672	Date Logged In:	12/08/22 16:46	Logged In By:	Caitlin Christian
Email:	nate.reece@ghd.com	Due Date:	12/09/22 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: UPS
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filteration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: na

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Released to Imaging: 1/17/2023 10:41:10 AM
Received by OCD: 12/19/2022 1:41:21 PM

Project Information

Chain of Custody

Page 1 of 2

Client: GHD	
Project: 125741.10 Robinson	
Project Manager: Nate Reece / JT Murrey	
Address:6121 Indian School Rd. NE St. 200	
City, State, Zip: Albuquerque, NM 87110	
Phone:(281)386-7158	
Email: nate.reece@ghd.com	
Report due by:	

Bill To

Attention: EOG Amber Griffin	
Address: 1045 4th St.	
City, State, Zip: Artesia, NM 88210	
Phone:	
Email: amber_griffin@eogresources.com	

Lab Use Only

Lab WO#	Job Number
E212054	19034-0001

TAT

1D	2D	3D	Standard
✓			

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX
✓				

Analysis and Method

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
1100	12/7	S	1	SW22D	1	X	X			X			
1105				SW29D	2								
1110				~~SH~~SW28DE	3								Sample ID Change per. N. Reece 12/9/22
1115				BH46E	4								
1120				BH63C	5								
1125				BH68B	6								
1130				BH71B	7								
1135				SW37#B	8								Sample ID Change per. N. Reece 12/9/22
1140				BH73B	9								
1145				BH74B	10								

Additional Instructions: Please email results to: amber_griffin@eogresources.com; chase_settle@eogresources.com; jt.murrey@ghd.com; liam.giersdorf@ghd.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Liam Giersdorf

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Liam Giersdorf	12/7	1330	Michelle Cruz	12-8-22	10:00
Michelle Cruz	12-8-22	1600	Caitlin Christian	12/9/22	10:40
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Released to Imaging: 1/17/2023 10:41:10 AM
Received by OCD: 12/19/2022 1:41:21 PM

Project Information | Chain of Custody | Page 2 of 2

Client: GHD	**Bill To**
Project: 12574110 Robinson	Attention: EOG Amber Griffin
Project Manager: Nate Reece / JT Murrey	Address: 1045 4th St.
Address:6121 Indian School Rd. NE St. 200	City, State, Zip: Artesia, NM 88210
City, State, Zip: Albuquerque, NM 87110	Phone:
Phone:(281)386-7158	Email: amber_griffin@eogresources.com
Email: nate.reece@ghd.com	
Report due by:	

Lab Use Only

Lab WO#	Job Number
E 212054	19034-0001

TAT: 1D | 2D | 3D | Standard

EPA Program: CWA | SDWA | RCRA

State: NM | CO | UT | AZ | TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
1150	1207	S	1	BH75B	11	X	X			X			
1155				BH76B	12								
1200				SW40B	13								
1205				SW49A	14								
1215				SW42B	15								
1220				SW21 & D	16								Sample ID change per N. Reece 12/9/22
1210				SW47A	17								

Additional Instructions: Please email results to: amber_griffin@eogresources.com; chase_settle@eogresources.com; jt.murrey@ghd.com; liam.giersdorf@ghd.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Liam Giersdorf

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished By: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	1207	1330	Michelle Cruz	12-8-22	10:00
Michelle Cruz	12-8-22	1600	Caitlin Christian	12/9/22	10:40
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
Received on ice: (Y) / N
T1 ____ T2 ____ T3 ____
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other ____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

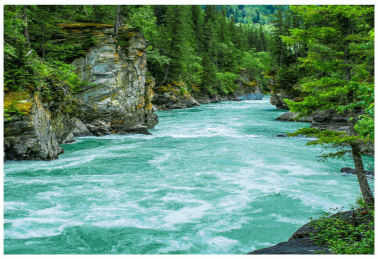
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Report to:

Nate Reece









5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

GHD

Project Name:	12574110 Robinson
Work Order:	E212067
Job Number:	19034-0001
Received:	12/14/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/14/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 12/14/22

Nate Reece
6121 Indian School Rd. NE #200
Albuquerque, NM 87110

Project Name: 12574110 Robinson
Workorder: E212067
Date Received: 12/14/2022 10:45:00AM

Nate Reece,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/14/2022 10:45:00AM, under the Project Name: 12574110 Robinson.

The analytical test results summarized in this report with the Project Name: 12574110 Robinson apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

GHD	Project Name:	12574110 Robinson	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/14/22 17:39

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
TP 24 - 27	E212067-01A	Soil	12/09/22	12/14/22	Glass Jar, 2 oz.
TP 24 - 29	E212067-02A	Soil	12/09/22	12/14/22	Glass Jar, 2 oz.
TP 24 - 31	E212067-03A	Soil	12/09/22	12/14/22	Glass Jar, 2 oz.
TP 24 - 33	E212067-04A	Soil	12/09/22	12/14/22	Glass Jar, 2 oz.
TP 24 - 35	E212067-05A	Soil	12/09/22	12/14/22	Glass Jar, 2 oz.

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/14/2022 5:39:34PM

TP 24 - 27

E212067-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2251020
Benzene	ND	0.0250	1	12/14/22	12/14/22	
Ethylbenzene	ND	0.0250	1	12/14/22	12/14/22	
Toluene	ND	0.0250	1	12/14/22	12/14/22	
o-Xylene	ND	0.0250	1	12/14/22	12/14/22	
p,m-Xylene	ND	0.0500	1	12/14/22	12/14/22	
Total Xylenes	ND	0.0250	1	12/14/22	12/14/22	
Surrogate: 4-Bromochlorobenzene-PID		*94.5 %*	*70-130*	*12/14/22*	*12/14/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2251020
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/14/22	12/14/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.3 %*	*70-130*	*12/14/22*	*12/14/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2251022
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/22	12/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/22	12/14/22	
Surrogate: n-Nonane		*100 %*	*50-200*	*12/13/22*	*12/14/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2251019
Chloride	**369**	20.0	1	12/13/22	12/14/22	

Sample Data

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/14/2022 5:39:34PM

TP 24 - 29

E212067-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2251020
Benzene	ND	0.0250	1	12/14/22	12/14/22	
Ethylbenzene	ND	0.0250	1	12/14/22	12/14/22	
Toluene	ND	0.0250	1	12/14/22	12/14/22	
o-Xylene	ND	0.0250	1	12/14/22	12/14/22	
p,m-Xylene	ND	0.0500	1	12/14/22	12/14/22	
Total Xylenes	ND	0.0250	1	12/14/22	12/14/22	
Surrogate: 4-Bromochlorobenzene-PID		*99.2 %*	*70-130*	*12/14/22*	*12/14/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2251020
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/14/22	12/14/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.0 %*	*70-130*	*12/14/22*	*12/14/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2251022
Diesel Range Organics (C10-C28)	**35.4**	25.0	1	12/13/22	12/14/22	
Oil Range Organics (C28-C36)	**64.6**	50.0	1	12/13/22	12/14/22	
Surrogate: n-Nonane		*101 %*	*50-200*	*12/13/22*	*12/14/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2251019
Chloride	**208**	20.0	1	12/13/22	12/14/22	

QC Summary Data

GHD	Project Name:	12574110 Robinson	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/14/2022 5:39:34PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2251020-BLK1)									Prepared: 12/14/22 Analyzed: 12/14/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.93*		*8.00*		*99.1*	*70-130*			
LCS (2251020-BS1)									Prepared: 12/14/22 Analyzed: 12/14/22
Benzene	4.77	0.0250	5.00		95.3	70-130			
Ethylbenzene	4.91	0.0250	5.00		98.1	70-130			
Toluene	4.98	0.0250	5.00		99.7	70-130			
o-Xylene	5.01	0.0250	5.00		100	70-130			
p,m-Xylene	9.96	0.0500	10.0		99.6	70-130			
Total Xylenes	15.0	0.0250	15.0		99.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.98*		*8.00*		*99.7*	*70-130*			
LCS Dup (2251020-BSD1)									Prepared: 12/14/22 Analyzed: 12/14/22
Benzene	4.91	0.0250	5.00		98.3	70-130	3.08	20	
Ethylbenzene	5.08	0.0250	5.00		102	70-130	3.51	20	
Toluene	5.15	0.0250	5.00		103	70-130	3.23	20	
o-Xylene	5.20	0.0250	5.00		104	70-130	3.68	20	
p,m-Xylene	10.3	0.0500	10.0		103	70-130	3.55	20	
Total Xylenes	15.5	0.0250	15.0		103	70-130	3.59	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.02*		*8.00*		*100*	*70-130*			

QC Summary Data

GHD	Project Name:	12574110 Robinson	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/14/2022 5:39:34PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2251020-BLK1)									Prepared: 12/14/22 Analyzed: 12/14/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.95*		*8.00*		*99.4*	*70-130*			
LCS (2251020-BS2)									Prepared: 12/14/22 Analyzed: 12/14/22
Gasoline Range Organics (C6-C10)	53.0	20.0	50.0		106	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.00*		*8.00*		*100*	*70-130*			
LCS Dup (2251020-BSD2)									Prepared: 12/14/22 Analyzed: 12/14/22
Gasoline Range Organics (C6-C10)	54.6	20.0	50.0		109	70-130	2.86	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.10*		*8.00*		*101*	*70-130*			

QC Summary Data

GHD	Project Name:	12574110 Robinson	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/14/2022 5:39:34PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2251022-BLK1)									Prepared: 12/13/22 Analyzed: 12/13/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*53.4*		*50.0*		*107*	*50-200*			
LCS (2251022-BS1)									Prepared: 12/13/22 Analyzed: 12/13/22
Diesel Range Organics (C10-C28)	249	25.0	250		99.8	38-132			
Surrogate: n-Nonane	*50.1*		*50.0*		*100*	*50-200*			
LCS Dup (2251022-BSD1)									Prepared: 12/13/22 Analyzed: 12/13/22
Diesel Range Organics (C10-C28)	258	25.0	250		103	38-132	3.40	20	
Surrogate: n-Nonane	*48.2*		*50.0*		*96.3*	*50-200*			

QC Summary Data

GHD	Project Name:	12574110 Robinson	**Reported:**
6121 Indian School Rd. NE #200	Project Number:	19034-0001	
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/14/2022 5:39:34PM

Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2251019-BLK1)									Prepared: 12/13/22 Analyzed: 12/14/22
Chloride	ND	20.0							
LCS (2251019-BS1)									Prepared: 12/13/22 Analyzed: 12/14/22
Chloride	253	20.0	250		101	90-110			
LCS Dup (2251019-BSD1)									Prepared: 12/13/22 Analyzed: 12/14/22
Chloride	244	20.0	250		97.7	90-110	3.36	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

GHD	Project Name:	12574110 Robinson	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	**Reported:**
Albuquerque NM, 87110	Project Manager:	Nate Reece	12/14/22 17:39

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 1/17/2023 10:41:10 AM
Received by OCD: 12/19/2022 1:41:21 PM

Project Information | Chain of Custody | Page 1 of 1

Client: GHD	**Bill To**
Project: 12574110 Robinson	Attention: EOG Amber Griffin
Project Manager: Nate Reece / JT Murrey	Address: 1045 4th St.
Address:6121 Indian School Rd. NE St. 200	City, State, Zip: Artesia, NM 88210
City, State, Zip: Albuquerque, NM 87110	Phone:
Phone:(281)386-7158	Email: amber_griffin@eogresources.com
Email: nate.reece@ghd.com	
Report due by:	

Lab Use Only

Lab WO#	Job Number
E 220167	19034-0001

TAT: 1D ✓ | 2D | 3D | Standard

EPA Program: CWA | SDWA | RCRA

State: NM ✓ | CO | UT | AZ | TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	Hold	BGDOC NM	GDOC TX	Remarks
1030	12/9	S	1	TP24-27	1	X	X			X				
1035				TP24-29	2	X	X			X				
1040				TP24-31	3						X			Hold pending
1045				TP24-33	4						X			Results of
1050	↓	↓	↓	TP24-35	5	↓	↓			↓	X			above

Additional Instructions: Please email results to: amber_griffin@eogresources.com; chase_settle@eogresources.com; jt.murrey@ghd.com; liam.giersdorf@ghd.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Liam Giersdorf

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	12/12/22	0800	Michelle Gaynes	12-12-22	0800
Michelle Gaynes	12-12-22	1630	Caitlin Christian	12/14/22	10:45
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other _____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, **v** - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 12/14/2022 11:45:21AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	GHD	Date Received:	12/14/22 10:45	Work Order ID:	E212067
Phone:	(505) 884-0672	Date Logged In:	12/13/22 09:23	Logged In By:	Caitlin Christian
Email:	nate.reece@ghd.com	Due Date:	12/14/22 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: UPS
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	No	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: na

Comments/Resolution

Client Remarks: Hold Samples 3-5 Pending Results.

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 168352

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 168352
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Remediation Plan Approved.	1/17/2023