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

)

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Incident ID	nAPP2202535253
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Facility ID	
Application ID	

## **Release Notification**

### **Responsible Party**

Responsible Party	OGRID
EOG Resources, Inc.	7377
Contact Name	Contact Telephone
Robert Asher	575-748-4217
Contact email	Incident # <i>nAPP2202535253</i>
bob_asher@eogresources.com	
Contact mailing address	
104 S. 4 <sup>th</sup> Street, Artesia, NM 88210	

### **Location of Release Source**

Latitude 33.39837

Longitude <u>-103.63657</u>

(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Raitt BID State #1	Site Type: Battery
Date Release Discovered: 1/12/2022	API# 30-025-37982

Unit Letter	Section	Township	Range	County
Р	35	10 <b>S</b>	32E	Lea

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) 27	Volume Recovered (bbls) 5
Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	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 (Fresh Water)	Volume/Weight Released (bbls)	Volume/Weight Recovered (bbls)
C CD 1		

Cause of Release:

4" load line valve frozen and separated causing release of 27 B/O. 5 B/O was recovered and 22 B/O entrained in gravel. The battery is a lined and bermed containment.

m C-141	State of New Mexico	Incident ID	0
2	Oil Conservation Division	District RP	
	Facility ID		
		Application ID	
19.15.29.7(A) NMAC? ⊠ Yes □ No			

### **Initial Response**

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

 $\boxtimes$  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.

 $\boxtimes$  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: Robert Asher	Title: Environmental Supervisor
Signature:	Date: <u>1/25/2022</u>
email: bob asher@eogresources.com	Telephone: <u>575-748-4217</u>
OCD Only	
Received by:	Date:

Received by OCD: 7/29/2022 9:36:57 AM

Oil Conservation Division

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Incident ID	nAPP2202535253	
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Facility ID		
Application ID		

### Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	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 <b>not</b> 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
- $\checkmark$  Depth to water determination
- Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Z 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.

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4	Oil Concernation Divis	ision	Incident ID	nAPP2202535253
ige 4	Oil Conservation Divi		District RP	
			Facility ID	
			Application ID	
regulations all operators are red public health or the environme failed to adequately investigate addition, OCD acceptance of a	quired to report and/or file certain rele nt. The acceptance of a C-141 report 1 c and remediate contamination that pos C-141 report does not relieve the oper	ase notifications and perform by the OCD does not relieve t se a threat to groundwater, sur rator of responsibility for com	corrective actions for rel he operator of liability sl face water, human healtl pliance with any other for	eases which may endanger nould their operations have n or the environment. In ederal, state, or local laws
Printed Name: Chase Se Signature: Chase Se email: Chase_Settle@	ettle Settle Geogresources.com	Title:         Rep Safe           Date:         04/08/20           Telephone:         575-	ety & Environmer 22_ 748-1471	ntal Sr

Received by OCD: 7/29/2022 9:36:57 AM State of New Mexico

Oil Conservation Division

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

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### **Remediation 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. Title: Rep Safety & Environmental Sr Printed Name: Chase Settle Signature: Chase Settle Date: 04/08/2022 email: Chase\_Settle@eogresources.com Telephone: 575-748-1471 **OCD Only** Received by: Date: Approved Approved with Attached Conditions of Approval Denied Deferral Approved Signature: Date:

Page 5

Page 6

**Oil Conservation Division** 

Incident ID	nAPP2202535253
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## Closure

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

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

A scaled site and sampling diagram as described in 19.15.29.11 NMAC

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

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

 $\checkmark$  Description of remediation activities

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

Printed Name: Amber Griffin Title: Rep Safety & Environmental Sr Signature:Amber GriffinDate:7/29/2022email:Amber\_Griffin@eogresources.comTelephone:575-748-1471 **OCD Only** Received by: Date: Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations. 

Title: Environmental Specialist A

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



Our ref: 12575074

July 29, 2022

New Mexico Oil Conservation Division District 1 1625 N. French Drive Hobbs, New Mexico 88240

Re: Site Closure Report EOG Resources Inc. Incident ID: nAPP2202535253 P-35-10S-32E, Lea County, New Mexico

To Whom It May Concern:

### 1. Introduction

GHD Services, Inc. (GHD), on behalf of EOG Resources (EOG), submits this Site Closure Report to the New Mexico Oil Conservation Division (NMOCD) District 1 Office. This Report provides documentation of delineation, sampling, remedial activities, and analyses that was conducted in the affected area at the Raitt BID State #1 Release Site (Site). The Site is located in Unit Letter P, Section 35 of Township 10 South and Range 32 East in Lea County, New Mexico. The GPS coordinates for the release site are 33.39837<sup>o</sup> N latitude and 104.63657<sup>o</sup> W longitude. The release occurred on land managed by the New Mexico State Land Office. 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 initial report for this release was submitted to the NMOCD on January 25, 2022. The C-141 stated that a load line valve froze and separated causing a release of twenty-seven (27) barrels, five (5) barrels were recovered, and the remaining twenty-two (22) barrels were trapped in the gravel of the lined facility.

The release falls under the jurisdiction of the NMOCD District 1 Office in Hobbs, New Mexico. The NMOCD assigned the release with Incident Number nAPP2202535253. A Site Characterization and Remediation Work Plan dated April 8, 2022 was submitted to the NMOCD. The NMOCD approved the Site Characterization and Remediation Work Plan on May 16, 2022. The Release Notification, Site Assessment/Characterization, Remediation, and Closure 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 I, Closure Criteria for Soils Impacted by a Release, from New Mexico Administrative Code (NMAC) Title 19, Chapter 15, Part 29, Section 12 (NMAC 19.15.29.12). No



receptors (karst potential areas, water wells, playas, wetlands, waterways, lakebeds or ordinance boundaries) were located within each specific boundaries or distance from the Site. No water wells could be found within one half mile of the site. According to the Site characterization evaluation and 19.15.29.12.C(4)(a)(i) the Site is thought to be located within an area with an unknown depth to groundwaters and was remediated to Table I closure criteria for depth to groundwater less than fifty (50) feet. The Site characterization documentation (Karst Potential, FEMA, Points of Diversion, Significant Watercourse, and Wetlands maps) are provided in Attachment A. The soil closure criteria are listed below:

General Site Characterization and Groundwater:

Site Characterization	Average Groundwater Depth (ft)
No Receptors Found	Unknown, treated as <50 ft

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

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

# 4. Initial Soil Delineation Assessment Summary and Findings

On February 2, 2022, GHD installed four (4) hand auger borings HA-1 through HA-4, within the suspected impacted area through holes that were observed in the liner and one (1) Background sample was collected. Soil samples were collected at a depth of six (6) inches below grade. 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 Envirotech Inc Laboratory (EIL) in Farmington, New Mexico. Analytical results indicated TPH and chloride concentrations exceeding applicable NMAC Table I Closure Criteria of 100 mg/kg and 600 mg/kg, respectively, in all soil samples with the exception of the Background sample. HA-1 sample also indicated a BTEX concentration above 50 mg/kg. None of the samples exhibited benzene concentrations above Table I closure criteria.

To delineate the horizontal and vertical extents of the release, GHD and Standard Safety and Supply (SS) mobilized to the Site on March 15 and 16, 2022, after EOG had the tank battery decommissioned. GHD and SS installed six (6) test pits, TP1 through TP6, within the impacted area. Soil samples were collected at depths ranging from surface to six (6) ft below grade. All soil samples were analyzed for BTEX by EPA Method 8021B, TPH by Method 8015B Modified, and chloride by EPA Method 300 by Hall Environmental Analysis Laboratory (HEAL) in Albuquerque, New Mexico. Analytical results indicated TPH concentrations exceeding applicable NMAC Table I Closure Criteria of 100 mg/kg in all soil samples at depths ranging from surface to four (4) feet in test pits TP2, TP4, TP5 and TP6. Test pits TP1 and TP3 did not exhibit TPH concentrations above Table I closure criteria. None of the samples exhibited benzene, BTEX, or chloride concentrations above Table I closure Table I.



Figure 2 depicts the locations of the initial delineation samples, analytical concentrations, and the proposed excavation area. Analytical results are provided on Table 1, Figure 2, and in the Laboratory Analytical Reports provided in Attachment D.

### 5. Excavation, Waste Management and Confirmation Sampling

Due to the initial soil sampling activities exhibiting TPH and chloride concentrations above Table I Closure Criteria, GHD and EOG contractor Wild West Services (WW), mobilized to the site on June 8, 2022, to excavate the affected soils. Excavation activities continued through June 14, 2022. The excavation was excavated to depths ranging from approximately two (2) to five (5) feet below ground surface. As shown on Figure 3, six (6) sidewall (SW-1 through SW-6) and twenty-six (26) bottom hole (BH-1 through BH-26) composite confirmation samples were collected. Composite samples represented areas no larger than 200 square feet. All confirmation samples were taken 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 six (6) bottom hole confirmation samples (BH-9, BH-10, BH-18, BH-19, BH-20, and BH-23) exhibited total TPH concentrations exceeding applicable Table I Closure Criteria of 100 mg/kg, and soil sample BH-10 also exhibited a chloride concentration exceeding applicable Table I Closure Criteria of 600 mg/kg. Analytical results for confirmation samples are provided on Table 1, on Figure 3, and in the Laboratory Analytical Reports provided in Attachment D.

Due to confirmation samples exhibiting total TPH concentrations exceeding applicable Table I Closure Criterion, GHD and WW returned to the Site on June 29, 2022, to further excavate the affected areas. The areas around BH-9, BH-10, BH-18, BH-19, BH-20, and BH-23 were further excavated one-half (0.5) foot deeper to two and one-half (2.5) feet below ground surface and resampled (BH-9A, BH-10A, BH-18A, BH-19A, BH-20A, and BH-23A). Analytical results for all re-sampled areas exhibited benzene, BTEX, TPH and chloride concentrations below Table I Closure Criteria. Analytical results for confirmation samples are provided on Table 1, on Figure 3, and in the Laboratory Analytical Reports provided in Attachment D. A photographic log is included in Attachment B.

Waste Management activities were performed in coordination with EOG directives. EOG obtained regulatory approval via the successful processing of Form C-138 Request for Approval to Accept Solid Waste. The waste was approved for acceptance at the OCD-permitted (M<-01-0019, Gandy Marley, Inc. facility. Approximately 888 tons of impacted soil were disposed at Lea Land, LLC, the waste manifests from June 8 through June 29, 2022, are available upon request and aren't included in this report due to size of the file. A Daily Disposal Summary is provided as Table 2. Confirmation Sampling Notifications are provided as Attachment C.

### 6. nAPP2202535253 Closure Request

The excavation will be backfilled with non-impacted material with an anticipated start date of August 1, 2022. Site characterization, soil delineation, and remediation activities for this incident number have been performed in accordance with applicable NMOCD guidance and regulations. Based upon supporting documentation provided in this report, GHD, on behalf of EOG, respectfully requests closure and no further regulatory actions for nAPP2202535253.

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



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Received by OCD: 7/29/2022 9:36:57 AM

Sincerely,

GHD

Rebecca Haskell

Becky Haskell Senior Project Manager

NR/bh/1

Mater fina

Nate Reece Environmental Scientist

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

cc: Chase Settle



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# Figures

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Filename: Voldnetopd/USMidlandProjects/55/112575074/Digital Design/ACADE/gures/RPT001/12575074-GHD-0000-RPT-EN-0101\_DL-001.dwg
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Data Source: USGS 7.5 Minute Quad "Caprock and Lane Salt Lake, New Mexico" Lat/Long: 33.398062° North, 103.637042° West

			Benzene	BTEX	Total Petroleum Hydrocarbons (TPH)	Chloride
Sample ID	Sample	Depth			Total GRO/DRO/MRO	
	Date	(ft bgs)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			Table I C	Closure Criter Groundwat	ia for Soils <50 feet [ er 19.15.29 NMAC	Depth to
			10 mg/kg	50 mg/kg	100 mg/kg	600 mg/kg
		Initial Asse	ssment Sample	es - Hand Bor	ings	
HA-1	2/2/2022	0.5	<0.250	56.23	20,053	1,640
HA-2	2/2/2022	0.5	0.509	35.409	11,777	1,750
HA-3	2/2/2022	0.5	0.637	40.817	5,268	1,180
HA-4	2/2/2022	0.5	<0.0500	11.208	2,700	823
Background	2/2/2022	0.5	<0.0250	<0.0250	<50.0	<20.0
		Initial As	sessment Sam	ples - Test Pl	ts	
TP1-S	3/15/2022	Surface	<0.017	<0.069	100	<60
TP1-2	3/15/2022	2	<0.019	<0.076	88	120
TP2-S	3/15/2022	Surface	<0017	<0.068	198	<60
TP2-2	3/15/2022	2	<0.019	<0.076	<49	180
TP3-S	3/15/2022	Surface	<0.017	<0.069	<49	<59
TP3-2	3/15/2022	2	<0.020	<0.080	<48	160
TP4-S	3/15/2022	Surface	<0.022	<0.087	380	<60
TP4-2	3/15/2022	2	<0.017	<0.069	<49	<60
TP5-2	3/16/2022	2	<0.072	11.74	2,190	150
TP5-4	3/16/2022	4	<0.095	0.57	116	<60
TP5-6	3/16/2022	6	<0.020	<0.081	<46	<60
TP6-2	3/16/2022	2	<0.10	<0.40	240	<60
TP6-4	3/16/2022	4	<0.097	4.64	120	<61
TP6-6	3/16/2022	6	<0.021	<0.08	<48	<60



### <u>LEGEND</u>

4.	PROPOSED EXCAVATION AREA w/ DEPTH
	TEST PIT LOCATION
	HAND AUGER 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.





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SITE ASSESSMENT: SOIL ANALYTICAL RESULTS MAP



Project No. **12575074** Date **March 2022** 

Data Source: Image © 2022 Google - Imagery Date: January 19, 2018 Lat/Long: 33.398062° North, 103.637042° West

					ТРН					
			Benzene BTEX		Total GRO/DRO/MR O	Chloride				
Sample ID	Sample Date	Depth (ft bas)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)				
		(****3*)	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				
		Botton	Hole Confirm	nation Samples	5					
BH-1	6/10/2022	5	<0.023	<0.093	<47	73				
BH-2	6/14/2022	5	<0.025	<0.099	<46	78				
BH-3	6/14/2022	5	<0.024	<0.096	<49	<61				
BH-4	6/13/2022	5	<0.024	<0.095	<48	67				
BH-5	6/10/2022	5	<0.023	<0.091	<48	<60				
BH-6	6/10/2022	5	<0.025	<0.099	<49	<60				
BH-7	6/13/2022	2	<0.023	<0.092	<48	<60				
BH-8	6/13/2022	2	<0.024	<0.098	<45	160				
BH-9	6/13/2022	2	<0.024	<0.096	142	200				
BH-9A	6/29/2022	2.5	<0.024	<0.098	<49	<60				
BH-10	6/13/2022	2	<0.023	<0.093	132	920				
BH-10A	6/29/2022	2.5	<0.023	<0.092	<50	<59				
BH-11	6/14/2022	2	< 0.024	<0.096	<49	<60				
BH-12	6/13/2022	2	<0.025	<0.10	26	140				
BH-13	6/13/2022	2	< 0.024	<0.095	<44	74				
BH-14	6/13/2022	2	< 0.024	<0.097	<49	<60				
BH-15	6/13/2022	2	< 0.024	<0.096	21	<60				
BH-16	6/14/2022	2	< 0.024	<0.097	<50	<60				
BH-17	6/14/2022	2	< 0.023	<0.092	<49	<60				
BH-18	6/13/2022	2	<0.025	<0.099	259	160				
BH-18A	6/29/2022	2.5	<0.023	<0.092	<48	<60				
BH-19	6/13/2022	2	<0.025	<0.099	320	140				
BH-19A	6/29/2022	2.5	<0.024	<0.096	<47	<59				
BH-20	6/13/2022	2	<0.025	<0:099	228	160				
BH-20A	6/29/2022	2.5	<0.024	<0.097	<50	<60				
BH-21	6/14/2022	2	<0.024	<0.097	<48	61				
BH-22	6/14/2022	2	< 0.024	< 0.097	<50	69				
BH-23	6/13/2022	2	<0.025	<0.099	163	460				
BH-23A	6/29/2022	2.5	<0.025	<0.098	<48	310				
BH-24	6/13/2022	2	<0.024	<0.097	<49	190				
BH-25	6/13/2022	2	<0.025	<0.10	22	370				
BH-26	6/13/2022	2	<0.024	<0.097	<44	200				
		Side	wall Confirma	tion Samples						
SW-1	6/13/2022	Sidewall	< 0.023	<0.094	<50	63				
SW-2	6/13/2022	Sidewall	<0.025	<0.10	23	510				
SW-3	6/14/2022	Sidewall	<0.025	<0.098	<48	160				
SW-4	6/10/2022	Sidewall	<0.025	<0.099	<44	78				
SW-5	6/10/2022	Sidewall	< 0.023	< 0.094	<43	<60				
SW-6	6/10/2022	Sidewall	<0.025	<0.099	16	460				
		all offering	and the Physics	Mr. (19,971)		1				
	LEGEND									
	EXCAVATED A	REA								



DEPTH DEPTH OF SAMPLE (FT) BTEX BENZENE, TOLUENE, ETHYLBENZENE &

XYLENES CONCENTRATION (MG/KG)

TPH TOTAL PETROLEUM HYDROCARBONS CONCENTRATION (MG/KG) INDICATES SIDE WALL COMPOSITE SAMPLE

INDICATES SIDE WALL COMPOSITE SAMPLE INDICATES SIDE WALL COMPOSITE SAMPLE BH-9 SAMPLE POINT EXCAVATED

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





EOG RESOURCES LEA COUNTY, NEW MEXICO RAITT BID STATE #1

CONFIRMATORY SAMPLING: SOIL ANALYTICAL RESULTS MAP Project No. **12575074** Date **July 2022** 

**FIGURE 3** 

Data Source: Image © 2022 Google - Imagery Date: January 19, 2018 Lat/Long: 33.398062° North, 103.637042° West

# Tables

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### Table 1 Summary of Soil Analytical Data Raitt BID State #1 EOG Resources Lea County, New Mexico

									ТРН		
Sample	Depth	Benzene	Ethylbenzene	Toluene	Xylenes	BTEX	GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	Chloride
Date	(ft bgs)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
				Table I Cl	osure Criteria f	or Soils <50 fe	et Depth to Gro	undwater 19.15	.29 NMAC		
		10 mg/kg				50 mg/kg				100 mg/kg	600 mg/kg
			li	nitial Assessmer	nt Samples - Ha	nd Borings					
2/2/2022	0.5	<0.250	1.71	4.42	50.1	56.23	413	17,900	1,740	20,053	1,640
2/2/2022	0.5	0.509	1.86	5.54	27.5	35.409	217	10,500	1,060	11,777	1,750
2/2/2022	0.5	0.637	2.16	8.22	29.8	40.817	290	4,530	448	5,268	1,180
2/2/2022	0.5	<0.0500	1.03	0.728	9.45	11.208	104	2,330	266	2,700	823
2/2/2022	0.5	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
				Initial Assessm	nent Samples -	Test Pits					
3/15/2022	Surface	<0.017	<0.035	<0.035	<0.069	<0.069	<3.5	100	<47	100	<60
3/15/2022	2	<0.019	<0.038	<0.038	<0.076	<0.076	<3.8	38	50	88	120
3/15/2022	Surface	<0.017	<0.034	<0.034	<0.068	<0.068	<3.4	130	68	198	<60
3/15/2022	2	<0.019	<0.038	<0.038	<0.076	<0.076	<3.8	<9.8	<49	<49	180
3/15/2022	Surface	<0.017	< 0.035	<0.035	<0.069	<0.069	<3.5	<9.8	<49	<49	<59
3/15/2022	2	<0.020	<0.040	<0.040	<0.080	<0.080	<4.0	<9.7	<48	<48	160
3/15/2022	Surface	<0.022	<0.043	<0.043	<0.087	<0.087	<4.3	190	190	380	<60
3/15/2022	2	<0.017	<0.035	<0.035	<0.069	<0.069	<3.5	<9.8	<49	<49	<60
3/16/2022	2	<0.072	1.2	0.94	9.6	11.74	190	1500	500	2,190	150
3/16/2022	4	<0.095	<0.19	<0.19	0.57	0.57	19	97	<49	116	<60
3/16/2022	6	<0.020	<0.041	<0.041	<0.081	<0.081	<4.1	<9.2	<46	<46	<60
3/16/2022	2	<0.10	<0.20	<0.20	<0.40	<0.40	<20	190	50	240	<60
3/16/2022	4	<0.097	0.37	0.37	3.9	4.64	88	32	<49	120	<61
3/16/2022	6	<0.021	<0.042	<0.042	<0.084	<0.084	<4.2	<9.7	<48	<48	<60
				Bottom Hole	Confirmation Sa	amples					
6/10/2022	5	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	<14	<47	<47	73
6/14/2022	5	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<14	<46	<46	78
6/14/2022	5	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<15	<49	<49	<61
6/13/2022	5	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<14	<48	<48	67
6/10/2022	5	<0.023	<0.046	<0.046	<0.091	<0.091	<4.6	<14	<48	<48	<60
6/10/2022	5	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<15	<49	<49	<60
6/13/2022	2	<0.023	<0.046	<0.046	<0.092	<0.092	<4.6	<14	<48	<48	<60
	Sample Date Date 2/2/2022 2/2/2022 2/2/2022 2/2/2022 2/2/2022 2/2/2022 2/2/2022 3/15/2022 3/15/2022 3/15/2022 3/15/2022 3/15/2022 3/15/2022 3/15/2022 3/16/2022	Sample Date         Depth (ft bgs)           2/2/2022         0.5           2/2/2022         0.5           2/2/2022         0.5           2/2/2022         0.5           2/2/2022         0.5           2/2/2022         0.5           2/2/2022         0.5           2/2/2022         0.5           2/2/2022         0.5           2/2/2022         0.5           2/2/2022         0.5           2/2/2022         0.5           3/15/2022         2           3/15/2022         2           3/15/2022         2           3/15/2022         2           3/15/2022         2           3/15/2022         2           3/15/2022         2           3/15/2022         2           3/16/2022         2           3/16/2022         4           3/16/2022         4           3/16/2022         4           3/16/2022         5           6/10/2022         5           6/10/2022         5           6/113/2022         5           6/10/2022         5           6/10/2022         5	Sample Date         Depth (ft bgs)         Benzene           (mg/kg)         (mg/kg)           2/2/2022         0.5         <0.250	Sample Date         Depth (ft bgs)         Benzene         Ethylbenzene           (mg/kg)         (mg/kg)         (mg/kg)           10 mg/kg            2/2/2022         0.5         <0.250	Sample Date         Depth (ft bgs)         Benzene (mg/kg)         Ethylbenzene (mg/kg)         Toluene (mg/kg)           (mg/kg)         (mg/kg)         (mg/kg)         Table I Cl Table I Cl           10 mg/kg             2/2/2022         0.5         <0.250	Sample Date         Depth (ft bgs)         Benzene         Ethylbenzene         Toluene         Xylenes           (mg/kg)         (mg/kg)         (mg/kg)         (mg/kg)         (mg/kg)         (mg/kg)         (mg/kg)           21/2/2022         0.5         <0.250	Benzene         Ethylbenzene         Toluene         Xylenes         BTEX           Depth Date         (mg/kg)         (mg/kg) <td< td=""><td>Benzene Deth Date         Benzene (ft bgs)         Ethylbenzene (mg/kg)         Toluene         Xylenes         BTEX         GRO (c6-C10)           (mg/kg)         (mg/kg)</td><td>Sample Date         Deptify (ft bys)         Berzene         Ethylberzene         Toluene         Xylenes         BTEX         GRO (C8-C10)         DRO (C9-C28)           10mg/kg)         (mg/kg)         (mg</td><td>Benzene Date         Benzene (t bgs)         Ethylbenzene (mg/kg)         Toluene (mg/kg)         Xylenes         BTEX         Coll         Coll-C29 (C-C-D)         (CI-C-29) (CI-C-29)         (MRO) (C2-C30-33)           10 mg/kg         (mg/kg)         (mg/kg)</td><td>Banzen         Ethylbenzen         Toluen         Xylenes         BTEX         Group (GC-C10)         CD(C2-C10)         CD(C2-C10)</td></td<>	Benzene Deth Date         Benzene (ft bgs)         Ethylbenzene (mg/kg)         Toluene         Xylenes         BTEX         GRO (c6-C10)           (mg/kg)         (mg/kg)	Sample Date         Deptify (ft bys)         Berzene         Ethylberzene         Toluene         Xylenes         BTEX         GRO (C8-C10)         DRO (C9-C28)           10mg/kg)         (mg/kg)         (mg	Benzene Date         Benzene (t bgs)         Ethylbenzene (mg/kg)         Toluene (mg/kg)         Xylenes         BTEX         Coll         Coll-C29 (C-C-D)         (CI-C-29) (CI-C-29)         (MRO) (C2-C30-33)           10 mg/kg         (mg/kg)         (mg/kg)	Banzen         Ethylbenzen         Toluen         Xylenes         BTEX         Group (GC-C10)         CD(C2-C10)         CD(C2-C10)

EOG Raitt BID STATE #1

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Received by OCD: 7/29/2022 9:36:57 AM

### Table 1 Summary of Soil Analytical Data Raitt BID State #1 EOG Resources Lea County, New Mexico

										ТРН		
Somalo ID	Sample	Depth	Benzene	Ethylbenzene	Toluene	Xylenes	BTEX	GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	Chloride
Sample ID	Date	(ft bgs)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
					Table I C	losure Criteria f	or Soils <50 fe	et Depth to Gro	undwater 19.15	5.29 NMAC		
			10 mg/kg				50 mg/kg				100 mg/kg	600 mg/kg
BH-8	6/13/2022	2	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<14	<45	<45	160
BH-9	6/13/2022	2	<0.024	<0:048	<0.048	<0.096	<0.096	<del>&lt;4.8</del>	74	68	142	200
BH-9A	6/29/2022	2.5	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<15	<49	<49	<60
BH-10	6/13/2022	2	<0.023	<0:046	<0.046	<0.093	<0.093	<4.6	73	- 59-	132	920
BH-10A	6/29/2022	2.5	<0.023	<0.046	<0.046	<0.092	<0.092	<4.6	<15	<50	<50	<59
BH-11	6/14/2022	2	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<15	<49	<49	<60
BH-12	6/13/2022	2	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	26	<44	26	140
BH-13	6/13/2022	2	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<13	<44	<44	74
BH-14	6/13/2022	2	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<15	<49	<49	<60
BH-15	6/13/2022	2	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	21	<46	21	<60
BH-16	6/14/2022	2	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<15	<50	<50	<60
BH-17	6/14/2022	2	<0.023	<0.046	<0.046	<0.092	<0.092	<4.6	<15	<49	<49	<60
BH-18	6/13/2022	2	<0.025	<0.050	<0.050	<0.099	<0.099	~5.0	180	79	259	160
BH-18A	6/29/2022	2.5	<0.023	<0.046	<0.046	<0.092	<0.092	<4.6	<14	<48	<48	<60
BH-19	6/13/2022	2	<0.025	<0:050	<0.050	<0:099	<0.099	~5.0	200	120	320	140
BH-19A	6/29/2022	2.5	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<14	<47	<47	<59
BH-20	6/13/2022	4	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	150	78	228	160
BH-20A	6/29/2022	2.5	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<15	<50	<50	<60
BH-21	6/14/2022	2	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<15	<48	<48	61
BH-22	6/14/2022	2	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<15	<50	<50	69
BH-23	6/13/2022	1	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	110	53	163	460
BH-23A	6/29/2022	2.5	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<14	<48	<48	310
BH-24	6/13/2022	2	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<15	<49	<49	190
BH-25	6/13/2022	2	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	22	<46	22	370
BH-26	6/13/2022	2	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<13	<44	<44	200
					Sidewall C	onfirmation San	nples					
SW-1	6/13/2022	Sidewall	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	<15	<50	<50	63
SW-2	6/13/2022	Sidewall	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	23	<47	23	510
SW-3	6/14/2022	Sidewall	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<14	<48	<48	160
SW-4	6/10/2022	Sidewall	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<13	<44	<44	78
SW-5	6/10/2022	Sidewall	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	<13	<43	<43	<60

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EOG Raitt BID STATE #1

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#### Table 1 Summary of Soil Analytical Data Raitt BID State #1 **EOG Resources** Lea County, New Mexico

									i	ТРН		
Sample ID Sample	Sample	Depth	Benzene	Ethylbenzene	Toluene	Xylenes	BTEX	GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	Chloride
Gumpie ib	Date Date	(ft bgs)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
					Table I C	losure Criteria f	or Soils <50 fe	et Depth to Gro	undwater 19.15	.29 NMAC		
			10 mg/kg				50 mg/kg				100 mg/kg	600 mg/kg
SW-6	6/10/2022	Sidewall	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	16	<43	16	460

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1. Values reported in mg/kg

B-BH-2

2. < = Value Less than Reporting Limit (RL)</li>
 3. Bold Indicates Analyte Detected

4. BTEX analyses by EPA Method SW 8021B.

Sample Point Excavated

5. TPH analyses by EPA Method SW 8015 Mod.

6. GRO/DRO/MRO = Gasoline/Diesel/Motor Oil
7. J - the target analytes was positively identified below the quantitation limit and above the detection limit.
8. Yellow shaded cells indicate analytical samples that exceed the NMOC 19.15.29.12 Table 1 for depth to groundwater <50 ft</li>

9. --- = not defined

# Table 2Daily Disposal SummaryRaitt BID State #1EOG ResourcesLea, County, New Mexico

Date of Disposal	Yds Disposed
6/8/2022	296
6/10/2022	270
6/10/2022	162
6/29/2022	160
Project Total	888

# Attachment A Site Characterization Documentation

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Received by OCD: 7/29/2022 9:36:57 AM Raitt BID State #1

Button Mesa Rd

Karst Potential

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Raitt BID State #1

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# Raitt BID State #1



### 2/16/2022, 6:41:54 AM





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

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### Received by OCD: 7/29/2022 9:36:57,AM National Flood Hazard Layer FIRMette



### Legend

Page 24 of 152



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

# National Wetlands Inventory

# Raitt BID State #1



### February 16, 2022

#### Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Forested/Shrub Wetland

Freshwater Emergent Wetland

**Freshwater Pond** 

Lake Other Riverine This map is for general reference only. The US Fish and Wildlife

Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

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

# Attachment B Photographic Log

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Site Photograph Raitt BID State #1 Release Site. GHD | Report for EOG | 12575074

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# Attachment C Confirmation Sampling Notifications

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### **Becky Haskell**

From:	Amber Griffin <amber_griffin@eogresources.com></amber_griffin@eogresources.com>
Sent:	Thursday, July 28, 2022 5:33 PM
То:	Becky Haskell
Subject:	FW: Raitt BID State 1 (nAPP2202535253) Sampling Notification

Thank you, Amber Griffin

From: Tina Huerta <Tina\_Huerta@eogresources.com>
Sent: Wednesday, June 1, 2022 3:57 PM
To: emnrd-ocd-district1spills@state.nm.us
Cc: Artesia S&E Spill Remediation <Artesia\_S&E\_Spill\_Remediation@eogresources.com>; Artesia Regulatory
<Artesia\_Regulatory@eogresources.com>; Jennifer Nobui <Jennifer.Nobui@state.nm.us>; Jocelyn Harimon
<Jocelyn.Harimon@state.nm.us>; Mike Bratcher <mike.bratcher@state.nm.us>; Robert Hamlet
<Robert.Hamlet@state.nm.us>
Subject: FW: Raitt BID State 1 (nAPP2202535253) Sampling Notification

Sorry, meant to send this to Hobbs District.

Thank you.

From: Tina Huerta
Sent: Wednesday, June 1, 2022 3:54 PM
To: 'rmann@slo.state.nm.us' <<u>rmann@slo.state.nm.us</u>>; 'mnaranjo@slo.state.nm.us' <<u>mnaranjo@slo.state.nm.us</u>>; Jennifer Nobui <<u>Jennifer.Nobui@state.nm.us</u>>; Jocelyn Harimon <<u>Jocelyn.Harimon@state.nm.us</u>>; Mike Bratcher
<<u>mike.bratcher@state.nm.us</u>>; Robert Hamlet <<u>Robert.Hamlet@state.nm.us</u>>
Cc: Artesia S&E Spill Remediation <<u>Artesia\_S&E\_Spill\_Remediation@eogresources.com</u>>; Artesia Regulatory
<<u>Artesia\_Regulatory@eogresources.com</u>>
Subject: Raitt BID State 1 (nAPP2202535253) Sampling Notification

Good Afternoon,

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

Raitt BID State 1 P-35-10S-32E; Lea County, NM nAPP2202535253

Sampling will begin at 10:00 a.m. on Friday, June 10, 2022.

Thank you,

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



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**Released to Imaging: 9/20/2022 1:36:36 PM** 

### **Becky Haskell**

From:	Amber Griffin <amber_griffin@eogresources.com></amber_griffin@eogresources.com>
Sent:	Thursday, June 9, 2022 2:43 PM
То:	Becky Haskell; Zach Comino
Subject:	FW: Raitt BID State 1 (nAPP2202535253) Sampling Notification

Thank you, Amber Griffin

From: Tina Huerta <Tina\_Huerta@eogresources.com>
Sent: Thursday, June 9, 2022 9:43 AM
To: emnrd-ocd-district1spills@state.nm.us; rmann@slo.state.nm.us; mnaranjo@slo.state.nm.us
Cc: Artesia S&E Spill Remediation <Artesia\_S&E\_Spill\_Remediation@eogresources.com>; Artesia Regulatory
<Artesia\_Regulatory@eogresources.com>
Subject: Raitt BID State 1 (nAPP2202535253) Sampling Notification

Good Morning,

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

Raitt BID State 1 P-35-10S-32E; Lea County, NM nAPP2202535253

Sampling will begin at 8:00 a.m. on Monday, June 13, 2022 and continue through Friday, June 17, 2022.

Thank you,

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



### **Becky Haskell**

Amber Griffin <amber_griffin@eogresources.com></amber_griffin@eogresources.com>
Thursday, June 23, 2022 9:31 AM
Becky Haskell; Zach Comino
FW: Raitt BID State 1 (nAPP2202535253) Sampling Notification

Thank you, Amber Griffin

From: Tina Huerta <Tina\_Huerta@eogresources.com>
Sent: Thursday, June 23, 2022 8:28 AM
To: rmann@slo.state.nm.us; Naranjo, Mark <MNaranjo@slo.state.nm.us>; Jennifer Nobui
<Jennifer.Nobui@state.nm.us>; Jocelyn Harimon <Jocelyn.Harimon@state.nm.us>; Mike Bratcher
<mike.bratcher@state.nm.us>; Robert Hamlet <Robert.Hamlet@state.nm.us>
Cc: Artesia S&E Spill Remediation <Artesia\_S&E\_Spill\_Remediation@eogresources.com>; Artesia Regulatory
<Artesia\_Regulatory@eogresources.com>
Subject: Raitt BID State 1 (nAPP2202535253) Sampling Notification

Good Morning,

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

Raitt BID State 1 P-35-10S-32E Lea County, NM nAPP2202535253

Sampling will begin at 12:00 p.m. on Wednesday, June 29, 2022.

Thank you,

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



# Appendix D Laboratory Analytical Reports and Chain-of-Custody Documentation

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# **Analytical Report**

# GHD

Project Name: Rait

Raitt BID State #1

Work Order: E202014

Job Number: 19034-0001

Received: 2/3/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 2/9/22

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: 2/9/22

Becky Haskell 6121 Indian School Rd. NE #200 Albuquerque, NM 87110

Project Name: Raitt BID State #1 Workorder: E202014 Date Received: 2/3/2022 11:45:00AM

Becky Haskell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/3/2022 11:45:00AM, under the Project Name: Raitt BID State #1.

The analytical test results summarized in this report with the Project Name: Raitt BID State #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,

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#### **Sample Summary**

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		~			
GHD		Project Name:	Raitt BID State #1		Reported:
6121 Indian School Rd. NE #200		Project Number:	19034-0001		
Albuquerque NM, 87110		Project Manager:	Becky Haskell		02/09/22 16:42
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
HA-1	E202014-01A	Soil	02/02/22	02/03/22	Glass Jar, 4 oz.
HA-2	E202014-02A	Soil	02/02/22	02/03/22	Glass Jar, 4 oz.
НА-3	E202014-03A	Soil	02/02/22	02/03/22	Glass Jar, 4 oz.
HA-4	E202014-04A	Soil	02/02/22	02/03/22	Glass Jar, 4 oz.
Background	E202014-05A	Soil	02/02/22	02/03/22	Glass Jar, 4 oz.



		mpre 2				
GHD	Project Name:	Rait	t BID State #1			
6121 Indian School Rd. NE #200	Project Numbe	r: 1903	34-0001			Reported:
Albuquerque NM, 87110	Project Manage	er: Becl	ky Haskell			2/9/2022 4:42:29PM
		HA-1				
	]	E202014-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2206034
Benzene	ND	0.250	10 02/03/22		02/04/22	
Ethylbenzene	1.71	0.250	10	02/03/22	02/04/22	
Toluene	4.42	0.250	10	02/03/22	02/04/22	
o-Xylene	13.3	0.250	10	02/03/22	02/04/22	
p,m-Xylene	36.8	0.500	10	02/03/22	02/04/22	
Total Xylenes	50.1	0.250	10	02/03/22	02/04/22	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	02/03/22	02/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2206034
Gasoline Range Organics (C6-C10)	413	200	10	02/03/22	02/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	02/03/22	02/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2207020
Diesel Range Organics (C10-C28)	17900	250	10	02/08/22	02/09/22	
Oil Range Organics (C28-C36)	1740	500	10	02/08/22	02/09/22	
Surrogate: n-Nonane		400 %	50-200	02/08/22	02/09/22	<i>S5</i>
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: IY		Batch: 2207005
Chloride	1640	20.0	1	02/07/22	02/08/22	



		imple D	ava			
GHD	Project Name:	Rait	t BID State #1			
6121 Indian School Rd. NE #200	Project Numbe	r: 1903	34-0001			Reported:
Albuquerque NM, 87110	Project Manage	er: Becl	ky Haskell			2/9/2022 4:42:29PM
		HA-2				
	]	E202014-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	:: IY		Batch: 2206034
Benzene	0.509	0.250	10	02/03/22	02/04/22	
Ethylbenzene	1.86	0.250	10	02/03/22	02/04/22	
Toluene	5.54	0.250	10	02/03/22	02/04/22	
o-Xylene	7.28	0.250	10	02/03/22	02/04/22	
p,m-Xylene	20.2	0.500	10	02/03/22	02/04/22	
Total Xylenes	27.5	0.250	10	02/03/22	02/04/22	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	02/03/22	02/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	:: IY		Batch: 2206034
Gasoline Range Organics (C6-C10)	217	200	10	02/03/22	02/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	02/03/22	02/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	:: JL		Batch: 2207020
Diesel Range Organics (C10-C28)	10500	250	10	02/08/22	02/09/22	
Oil Range Organics (C28-C36)	1060	500	10	02/08/22	02/09/22	
Surrogate: n-Nonane		283 %	50-200	02/08/22	02/09/22	\$5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	:: IY		Batch: 2207005
Chloride	1750	20.0	1	02/07/22	02/08/22	

		imple D	ava			
GHD	Project Name:	Rait	t BID State #1			
6121 Indian School Rd. NE #200	Project Numbe	r: 1903	34-0001			Reported:
Albuquerque NM, 8/110	Project Manage	er: Bec	ky Haskell			2/9/2022 4:42:29PM
		HA-3				
	]	E202014-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	Analyst: IY		Batch: 2206034
Benzene	0.637	0.250	10	02/03/22	02/04/22	
Ethylbenzene	2.16	0.250	10	02/03/22	02/04/22	
Toluene	8.22	0.250	10	02/03/22	02/04/22	
o-Xylene	6.91	0.250	10	02/03/22	02/04/22	
p,m-Xylene	22.9	0.500	10	02/03/22	02/04/22	
Total Xylenes	29.8	0.250	10	02/03/22	02/04/22	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	02/03/22	02/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	:: IY		Batch: 2206034
Gasoline Range Organics (C6-C10)	290	200	10	02/03/22	02/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	02/03/22	02/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	:: JL		Batch: 2207020
Diesel Range Organics (C10-C28)	4530	125	5	02/08/22	02/09/22	
Oil Range Organics (C28-C36)	448	250	5	02/08/22	02/09/22	
Surrogate: n-Nonane		202 %	50-200	02/08/22	02/09/22	\$5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	:: IY		Batch: 2207005
Chloride	1180	20.0	1	02/07/22	02/08/22	

	D <b>u</b>	impic D	ata			
GHD	Project Name:	Rait	t BID State #1			
6121 Indian School Rd. NE #200	Project Number	r: 1903	34-0001			Reported:
Albuquerque NM, 87110	Project Manage	er: Becl	ky Haskell			2/9/2022 4:42:29PM
		HA-4				
	J	E202014-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2206034
Benzene	ND	0.0500	2	02/03/22	02/08/22	
Ethylbenzene	1.03	0.0500	2	02/03/22	02/08/22	
Toluene	0.728	0.0500	2	02/03/22	02/08/22	
o-Xylene	2.65	0.0500	2	02/03/22	02/08/22	
p,m-Xylene	6.80	0.100	2	02/03/22	02/08/22	
Total Xylenes	9.45	0.0500	2	02/03/22	02/08/22	
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	02/03/22	02/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2206034
Gasoline Range Organics (C6-C10)	104	40.0	2	02/03/22	02/08/22	
- Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	02/03/22	02/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2207020
Diesel Range Organics (C10-C28)	2330	25.0	1	02/08/22	02/09/22	
Oil Range Organics (C28-C36)	266	50.0	1	02/08/22	02/09/22	
Surrogate: n-Nonane		124 %	50-200	02/08/22	02/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2207005
Chloride	823	20.0	1	02/07/22	02/08/22	

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GHD	Project Name:	Rait	t BID State #1			
6121 Indian School Rd. NE #200	Project Number	er: 1903	34-0001			Reported:
Albuquerque NM, 87110	Project Manag	ger: Becl	ky Haskell			2/9/2022 4:42:29PM
	I	Background				
		E202014-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: IY		Batch: 2206034
Benzene	ND	0.0250	1	02/03/22	02/04/22	
Ethylbenzene	ND	0.0250	1	02/03/22	02/04/22	
Toluene	ND	0.0250	1	02/03/22	02/04/22	
o-Xylene	ND	0.0250	1	02/03/22	02/04/22	
p,m-Xylene	ND	0.0500	1	02/03/22	02/04/22	
Total Xylenes	ND	0.0250	1	02/03/22	02/04/22	
Surrogate: 4-Bromochlorobenzene-PID		94.0 %	70-130	02/03/22	02/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2206034
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/03/22	02/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.8 %	70-130	02/03/22	02/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2207020
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/22	02/09/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/22	02/09/22	
Surrogate: n-Nonane		98.7 %	50-200	02/08/22	02/09/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: IY		Batch: 2207005
Chloride	ND	20.0	1	02/07/22	02/08/22	



# QC Summary Data

GHD 6121 Indian School Rd. NE #200 Albuquerque NM, 87110		Project Name: Project Number: Project Manager:	Ra 19 Be	aitt BID State ; 0034-0001 ecky Haskell	#1				<b>Reported:</b> 2/9/2022 4:42:29PM			
		Volatile Or	rganics <b>k</b>	oy EPA 802	1B				Analyst: IY			
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit				
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes			
Blank (2206034-BLK1)						Prepared: 02/03/22 Analyzed: 02/04/22						
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	7.64		8.00		95.5	70-130						
LCS (2206034-BS1)							Prepared: 0	2/03/22 A	analyzed: 02/04/22			
Benzene	4.07	0.0250	5.00		81.5	70-130						
Ethylbenzene	4.14	0.0250	5.00		82.7	70-130						
Toluene	4.24	0.0250	5.00		84.8	70-130						
o-Xylene	4.21	0.0250	5.00		84.3	70-130						
p,m-Xylene	8.42	0.0500	10.0		84.2	70-130						
Total Xylenes	12.6	0.0250	15.0		84.2	70-130						
Surrogate: 4-Bromochlorobenzene-PID	7.84		8.00		98.0	70-130						
Matrix Spike (2206034-MS1)				Source:	E202013-	02	Prepared: 0	2/03/22 A	analyzed: 02/04/22			
Benzene	4.21	0.0250	5.00	ND	84.2	54-133						
Ethylbenzene	4.30	0.0250	5.00	ND	85.9	61-133						
Toluene	4.39	0.0250	5.00	ND	87.8	61-130						
o-Xylene	4.39	0.0250	5.00	ND	87.9	63-131						
p,m-Xylene	8.76	0.0500	10.0	ND	87.6	63-131						
Total Xylenes	13.2	0.0250	15.0	ND	87.7	63-131						
Surrogate: 4-Bromochlorobenzene-PID	7.86		8.00		98.2	70-130						
Matrix Spike Dup (2206034-MSD1)				Source:	E202013-	02	Prepared: 0	2/03/22 A	analyzed: 02/04/22			
Benzene	4.18	0.0250	5.00	ND	83.6	54-133	0.733	20				
Ethylbenzene	4.26	0.0250	5.00	ND	85.3	61-133	0.760	20				
Toluene	4.36	0.0250	5.00	ND	87.2	61-130	0.727	20				
o-Xylene	4.36	0.0250	5.00	ND	87.2	63-131	0.762	20				
p,m-Xylene	8.68	0.0500	10.0	ND	86.8	63-131	0.884	20				
Total Xylenes	13.0	0.0250	15.0	ND	86.9	63-131	0.843	20				
Surrogate: 4-Bromochlorobenzene-PID	7.94		8.00		99.2	70-130						



# **QC Summary Data**

GHD 6121 Indian School Rd. NE #200 Albuquerque NM, 87110		Project Name: Project Number: Project Manager:	]	Raitt BID State # 19034-0001 Becky Haskell	1				<b>Reported:</b> 2/9/2022 4:42:29PM
	No	onhalogenated O	rganic	s by EPA 801:	5D - G	RO			Analyst: IY
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2206034-BLK1)							Prepared: 0	2/03/22	Analyzed: 02/04/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.04		8.00		100	70-130			
LCS (2206034-BS2)							Prepared: 0	2/03/22	Analyzed: 02/04/22
Gasoline Range Organics (C6-C10)	42.0	20.0	50.0		84.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.09		8.00		101	70-130			
Matrix Spike (2206034-MS2)				Source: E	202013-	02	Prepared: 0	2/03/22	Analyzed: 02/04/22
Gasoline Range Organics (C6-C10)	44.8	20.0	50.0	ND	89.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.06		8.00		101	70-130			
Matrix Spike Dup (2206034-MSD2)				Source: E	202013-	02	Prepared: 0	2/03/22	Analyzed: 02/04/22
Gasoline Range Organics (C6-C10)	44.9	20.0	50.0	ND	89.8	70-130	0.0885	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.04		8.00		101	70-130			



# QC Summary Data

GHD 6121 Indian School Rd. NE #200 Albuquerque NM, 87110		Project Name: Project Number: Project Manager	H 1 : H	Raitt BID State # 19034-0001 Becky Haskell	#1				<b>Reported:</b> 2/9/2022 4:42:29PM		
	Nonh	alogenated Org	ganics by	y EPA 8015D	- DRO	/ORO			Analyst: JL		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2207020-BLK1)							Prepared: 0	2/08/22	Analyzed: 02/09/22		
Diesel Range Organics (C10-C28)	ND	25.0									
Oil Range Organics (C28-C36)	ND	50.0									
Surrogate: n-Nonane	41.6		50.0		83.3	50-200					
LCS (2207020-BS1)							Prepared: 0	2/08/22	Analyzed: 02/08/22		
Diesel Range Organics (C10-C28)	577	25.0	500		115	38-132					
Surrogate: n-Nonane	37.0		50.0		74.1	50-200					
Matrix Spike (2207020-MS1)				Source: l	E202035-	06	Prepared: 0	2/08/22	Analyzed: 02/08/22		
Diesel Range Organics (C10-C28)	486	25.0	500	ND	97.2	38-132					
Surrogate: n-Nonane	38.5		50.0		77.0	50-200					
Matrix Spike Dup (2207020-MSD1)				Source: l	E202035-	06	Prepared: 0	2/08/22	Analyzed: 02/08/22		
Diesel Range Organics (C10-C28)	495	25.0	500	ND	99.1	38-132	1.96	20			
Surrogate: n-Nonane	40.4		50.0		80.8	50-200					



### **QC Summary Data**

		_		ě					
GHD 6121 Indian School Pd. NE #200		Project Name: Project Number:	aitt BID State				Reported:		
Albuquerque NM, 87110		Project Manager:	Project Manager: Becky Haskell						2/9/2022 4:42:29PM
		Anions	by EPA 3	300.0/9056A	1				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2207005-BLK1)				Р			Prepared: 02	2/07/22 A	nalyzed: 02/08/22
Chloride	ND	20.0							
LCS (2207005-BS1)							Prepared: 02	2/07/22 A	nalyzed: 02/08/22
Chloride	243	20.0	250		97.2	90-110			
Matrix Spike (2207005-MS1)				Source:	E202004-(	02	Prepared: 02	2/07/22 A	nalyzed: 02/08/22
Chloride	576	20.0	250	363	85.2	80-120			
Matrix Spike Dup (2207005-MSD1)				Source:	E202004-(	02	Prepared: 02	2/07/22 A	nalyzed: 02/08/22
Chloride	581	20.0	250	363	87.0	80-120	0.762	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.



GHD	Project Name:	Raitt BID State #1	
6121 Indian School Rd. NE #200	Project Number:	19034-0001	Reported:
Albuquerque NM, 87110	Project Manager:	Becky Haskell	02/09/22 16:42

S5 Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.

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.

Client: GHD				La	ab Use Only			Anal	ysis and	Method		lab Only
Project: Rith BID State #1			1d		Lab WO#	12					х.	Z
Sampler: 201 Carl			3d	PES	202014	2			0			(s) Y
Phone: (505) 377 - 4218		(4	endere	) JC	ob Number	015			0.0			Prsrv
Email(s): Zuch, canying OCHD, can / Becky, Hus	helle GHD.	com		P03	1000-4-	by 8	321	8.1	y 30			Nu ont/l
Project Manager: Becky Haskell O M	with laughtin	QCAD.	com Page	e of	-	ORO.	oy 8(	/ 41	leb			Lab ct Co
Sample ID	Sample Date	Sample Time	Matrix	Co QTY - Vol/1	ontainers TYPE/Preservativ	GRO/I	BTEX	TPH by	chlori			Corre
HA-1	02022022	835	5			æ	x		×			1
HA-Z	1	6950				1	1		1			2
HA-3		1010										3
HA-4		1035										4
Bachground	J	1055	. +			+	t		L			5
												-
		1.										
Relinquished by: (Signature) Date Time	Received	by: (Signa	ture)	Date	Time		-		Lab U	se Only		
Can Caning 3/12 gozon 1400	(An	-Ar	t	2.2.22	1530	**Rece	ived	on Ice	𝖅 / ℕ			
Relinquished/by-(Signature) Date lime	Received	by: Signa	ture)	1/2/22	Time	T1	- 0	T	2		T3	
Sample Matrix & Coll Sd. Solid Sg. Sludge A - Aqueous O - Other	aite	U (Nu	lin	~13/Ja	11.45 Container Tur	AVG le	mp	C <u>9</u>			-	10.4
**Samples requiring thermal preservation must be received on ice the day t	hev are sampled o	r received p	acked in ice a	t an ave temp ab	ove 0 but less that	16°Consi	ibsequi	ent days	plastic, a	ag - amber	glass, v -	70A
Sample(s) dropped off after hours to a secure drop off area.		Chain of	f Custody	Notes/Billin	ng info:	11 +	Ĩ	31	Ad.	~ 18	50)	
Benvirotech	5796 US H	ighway 64, Farmi	ington, HM 87401		Ph (505)	632-0615 Fx	(505) 632	-1865			envir	otech-Inc.com
Analytical Laboratory	Three Spri	ngs • 65 Mercado Pa	Street Suite 115 I ge 15 of	16 16	Ph (970)	259-0615 Fr	(800) 362	-1879			laboratory⊜envir	stech-inc.com

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#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Client:	GHD I	Date Received:	02/03/22 11	:45	Work Order	ID: E2020	14
Phone:	(505) 884-0672	Date Logged In:	02/03/22 08	3:14	Logged In I	By: Caitlin	1 Christian
Email:	becky.haskell@ghd.com	Due Date:	02/09/22 17	7:00 (4 day TAT)			
Chain of	f Custody (COC)						
1. Does 1	the sample ID match the COC?		Yes				
2. Does t	the number of samples per sampling site location match	the COC	Yes				
3. Were a	samples dropped off by client or carrier?		Yes	Carrier: UPS			
4. Was th	ne COC complete, i.e., signatures, dates/times, requeste	d analyses?	Yes				
5. Were a	all samples received within holding time? Note: Analysis, such as pH which should be conducted in th i.e, 15 minute hold time, are not included in this disucssion.	ne field,	Yes		Com	ments/Resol	ution
<u>Sample '</u> 6. Did th	Turn Around Time (TAT) e 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 th	he sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If ve	s, were custody/security seals intact?		NA				
12. Was tl	he sample received on ice? If yes, the recorded temp is 4°C, i.e Note: Thermal preservation is not required, if samples are r	e., 6°±2°C eceived w/i 15	Yes				
13 Ifno	visible ice record the temperature Actual sample te	mperature: 4º	C				
Samula	Container		<u>c</u>				
14 Area	aqueous VOC samples present?		No				
15. Are 3	VOC samples collected in VOA Vials?		NA				
16. Is the	e 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 1	non-VOC samples collected in the correct containers?		Yes				
19. Is the	appropriate volume/weight or number of sample container	rs collected?	Yes				
Field La	bel						
20. Were	field sample labels filled out with the minimum inform	nation:					
5	Sample ID?		Yes				
Ι	Date/Time Collected?		Yes	L			
(	Collectors name?		No				
Sample 1	Preservation	om a dQ	NI-				
21. Does	s me COC or neur labels mulcate the samples were pres	erveu?	INO NA				
22. Are s	sample(s) confectly preserved?	alc?	INA No				
24. 18 Iau	o interation required and/or requested for dissorved met	la15 :	INU				
<u>Multiph</u>	ase Sample Matrix	n					
20. Does	the sample nave more than one phase, i.e., multiphase	1 - 10	No				
21.11 yes	s, does the UUU specify which phase(s) is to be analyze	eu?	NA				
-							
<u>Subcont</u>	ract Laboratory_						
Subcont 28. Are s	ract Laboratory	?	No				

Signature of client authorizing changes to the COC or sample disposition.



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March 28, 2022

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

RE: Raitt BID State 1

OrderNo.: 2203917

Hall Environmental Analysis Laboratory

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

Website: clients.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 8 sample(s) on 3/17/2022 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued March 21, 2022.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203917

Date Reported: 3/28/2022

CLIENT:	GHD Midland		Cl	ient Sample II	D: TF	P1-2				
Project:	Raitt BID State 1			Collection Dat	<b>e:</b> 3/1	15/2022 8:00:00 AM				
Lab ID:	2203917-001	Matrix: SOIL	<b>Received Date:</b> 3/17/2022 7:00:00 AM							
Analyses		Result	PQL	Qual Units	DF	Date Analyzed	Batch			
EPA MET	THOD 300.0: ANIONS					Analyst	: LRN			
Chloride		120	60	mg/Kg	20	3/17/2022 7:20:56 PM	66250			
EPA MET	THOD 8015M/D: DIESEL RANG	GE ORGANICS				Analyst	: SB			
Diesel R	ange Organics (DRO)	38	9.6	mg/Kg	1	3/17/2022 1:05:17 PM	66228			
Motor Oi	l Range Organics (MRO)	50	48	mg/Kg	1	3/17/2022 1:05:17 PM	66228			
Surr: I	DNOP	93.3	51.1-141	%Rec	1	3/17/2022 1:05:17 PM	66228			
EPA MET	THOD 8015D: GASOLINE RAN	IGE				Analyst	: NSB			
Gasoline	Range Organics (GRO)	ND	3.8	mg/Kg	1	3/17/2022 11:34:45 AM	G86557			
Surr: I	BFB	104	70-130	%Rec	1	3/17/2022 11:34:45 AM	G86557			
EPA MET	THOD 8021B: VOLATILES					Analyst	: NSB			
Benzene		ND	0.019	mg/Kg	1	3/17/2022 11:34:45 AM	B86557			
Toluene		ND	0.038	mg/Kg	1	3/17/2022 11:34:45 AM	B86557			
Ethylben	zene	ND	0.038	mg/Kg	1	3/17/2022 11:34:45 AM	B86557			
Xylenes,	Total	ND	0.076	mg/Kg	1	3/17/2022 11:34:45 AM	B86557			
Surr 4	4-Bromofluorobenzene	94 4	70-130	%Rec	1	3/17/2022 11:34:45 AM	B86557			

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

**Qualifiers:** 

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

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203917

Date Reported: 3/28/2022

CLIENT:	GHD Midland		Cl	ient Sample II	D: TF	P1-S				
Project:	Raitt BID State 1		(	Collection Dat	<b>e:</b> 3/1	5/2022 8:05:00 AM				
Lab ID:	2203917-002	Matrix: SOIL		Received Date: 3/17/2022 7:00:00 AM						
Analyses		Result	PQL	Qual Units	DF	Date Analyzed	Batch			
EPA MET	THOD 300.0: ANIONS					Analyst	: LRN			
Chloride		ND	60	mg/Kg	20	3/17/2022 7:58:09 PM	66250			
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB			
Diesel R	ange Organics (DRO)	100	9.3	mg/Kg	1	3/17/2022 1:37:06 PM	66228			
Motor Oi	l Range Organics (MRO)	ND	47	mg/Kg	1	3/17/2022 1:37:06 PM	66228			
Surr: I	DNOP	89.6	51.1-141	%Rec	1	3/17/2022 1:37:06 PM	66228			
EPA MET	THOD 8015D: GASOLINE RANGE					Analyst	: NSB			
Gasoline	e Range Organics (GRO)	ND	3.5	mg/Kg	1	3/17/2022 12:45:12 PM	G86557			
Surr: I	BFB	104	70-130	%Rec	1	3/17/2022 12:45:12 PM	G86557			
EPA MET	THOD 8021B: VOLATILES					Analyst	: NSB			
Benzene		ND	0.017	mg/Kg	1	3/17/2022 12:45:12 PM	B86557			
Toluene		ND	0.035	mg/Kg	1	3/17/2022 12:45:12 PM	B86557			
Ethylben	zene	ND	0.035	mg/Kg	1	3/17/2022 12:45:12 PM	B86557			
Xylenes,	Total	ND	0.069	mg/Kg	1	3/17/2022 12:45:12 PM	B86557			
Surr: 4	4-Bromofluorobenzene	95.5	70-130	%Rec	1	3/17/2022 12:45:12 PM	B86557			

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

**Qualifiers:** 

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

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203917

Date Reported: 3/28/2022

CLIENT:	GHD Midland		Client Sample ID: TP2-2									
Project:	Raitt BID State 1		(	Collection Dat	<b>e:</b> 3/1	15/2022 8:15:00 AM						
Lab ID:	2203917-003	Matrix: SOIL		<b>Received Dat</b>	<b>e:</b> 3/1	7/2022 7:00:00 AM						
Analyses		Result	PQL	PQL Qual Units		Date Analyzed	Batch					
EPA MET	HOD 300.0: ANIONS					Analyst	: LRN					
Chloride		180	60	mg/Kg	20	3/17/2022 8:10:33 PM	66250					
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: SB					
Diesel R	ange Organics (DRO)	ND	9.8	mg/Kg	1	3/17/2022 1:47:43 PM	66228					
Motor Oi	I Range Organics (MRO)	ND	49	mg/Kg	1	3/17/2022 1:47:43 PM	66228					
Surr: [	DNOP	81.7	51.1-141	%Rec	1	3/17/2022 1:47:43 PM	66228					
EPA MET	HOD 8015D: GASOLINE RANG	E				Analyst	: NSB					
Gasoline	Range Organics (GRO)	ND	3.8	mg/Kg	1	3/17/2022 1:56:14 PM	G86557					
Surr: E	3FB	105	70-130	%Rec	1	3/17/2022 1:56:14 PM	G86557					
EPA MET	HOD 8021B: VOLATILES					Analyst	: NSB					
Benzene		ND	0.019	mg/Kg	1	3/17/2022 1:56:14 PM	B86557					
Toluene		ND	0.038	mg/Kg	1	3/17/2022 1:56:14 PM	B86557					
Ethylben	zene	ND	0.038	mg/Kg	1	3/17/2022 1:56:14 PM	B86557					
Xylenes, Total		ND	0.076	mg/Kg	1	3/17/2022 1:56:14 PM	B86557					
Surr: 4	1-Bromofluorobenzene	94.3	70-130	%Rec	1	3/17/2022 1:56:14 PM	B86557					

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

**Qualifiers:** 

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

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203917

Date Reported: 3/28/2022

CLIENT:	GHD Midland		Cl	ient Sample II	D: TF	22-S				
Project:	Raitt BID State 1		(	Collection Dat	<b>e:</b> 3/1	5/2022 8:20:00 AM				
Lab ID:	2203917-004	Matrix: SOIL	Received Date: 3/17/2022 7:00:00 AM							
Analyses		Result	PQL	Qual Units	DF	Date Analyzed	Batch			
EPA MET	THOD 300.0: ANIONS					Analyst	: LRN			
Chloride		ND	60	mg/Kg	20	3/17/2022 8:22:57 PM	66250			
EPA ME	THOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB			
Diesel R	ange Organics (DRO)	130	9.9	mg/Kg	1	3/17/2022 1:58:19 PM	66228			
Motor Oi	il Range Organics (MRO)	68	50	mg/Kg	1	3/17/2022 1:58:19 PM	66228			
Surr: I	DNOP	107	51.1-141	%Rec	1	3/17/2022 1:58:19 PM	66228			
EPA MET	THOD 8015D: GASOLINE RANGE					Analyst	: NSB			
Gasoline	e Range Organics (GRO)	ND	3.4	mg/Kg	1	3/17/2022 2:19:55 PM	G86557			
Surr: I	BFB	103	70-130	%Rec	1	3/17/2022 2:19:55 PM	G86557			
EPA MET	THOD 8021B: VOLATILES					Analyst	: NSB			
Benzene	9	ND	0.017	mg/Kg	1	3/17/2022 2:19:55 PM	B86557			
Toluene		ND	0.034	mg/Kg	1	3/17/2022 2:19:55 PM	B86557			
Ethylbenzene		ND	0.034	mg/Kg	1	3/17/2022 2:19:55 PM	B86557			
Xylenes,	, Total	ND	0.068	mg/Kg	1	3/17/2022 2:19:55 PM	B86557			
Surr: 4	4-Bromofluorobenzene	94.0	70-130	%Rec	1	3/17/2022 2:19:55 PM	B86557			

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

**Qualifiers:** 

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

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203917

Date Reported: 3/28/2022

CLIENT: GHD Midland Project: Raitt BID State 1		Cl	ient Sample II	D: TF	23-2				
Project:	Raitt BID State 1		(	Collection Dat	<b>e:</b> 3/1	5/2022 8:45:00 AM			
Lab ID:	2203917-005	Matrix: SOIL	<b>Received Date:</b> 3/17/2022 7:00:00 AM						
Analyses		Result	PQL	Qual Units	DF	Date Analyzed	Batch		
EPA MET	HOD 300.0: ANIONS					Analys	: LRN		
Chloride		160	60	mg/Kg	20	3/17/2022 8:35:21 PM	66250		
EPA MET	HOD 8015M/D: DIESEL RANG	<b>SE ORGANICS</b>				Analys	: SB		
Diesel R	ange Organics (DRO)	ND	9.7	mg/Kg	1	3/17/2022 2:08:58 PM	66228		
Motor Oi	l Range Organics (MRO)	ND	48	mg/Kg	1	3/17/2022 2:08:58 PM	66228		
Surr: [	DNOP	92.8	51.1-141	%Rec	1	3/17/2022 2:08:58 PM	66228		
EPA MET	HOD 8015D: GASOLINE RAN	GE				Analys	: NSB		
Gasoline	Range Organics (GRO)	ND	4.0	mg/Kg	1	3/17/2022 2:43:32 PM	G86557		
Surr: E	3FB	104	70-130	%Rec	1	3/17/2022 2:43:32 PM	G86557		
EPA MET	HOD 8021B: VOLATILES					Analys	: NSB		
Benzene		ND	0.020	mg/Kg	1	3/17/2022 2:43:32 PM	B86557		
Toluene		ND	0.040	mg/Kg	1	3/17/2022 2:43:32 PM	B86557		
Ethylben	zene	ND	0.040	mg/Kg	1	3/17/2022 2:43:32 PM	B86557		
Xylenes,	Total	ND	0.080	mg/Kg	1	3/17/2022 2:43:32 PM	B86557		
Surr: 4	1-Bromofluorobenzene	93.8	70-130	%Rec	1	3/17/2022 2:43:32 PM	B86557		

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

**Qualifiers:** 

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

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203917

Date Reported: 3/28/2022

CLIENT:	GHD Midland		Cl	ient Sample II	): TH	23-8				
Project:	Raitt BID State 1		(	Collection Dat	e: 3/1	15/2022 8:50:00 AM				
Lab ID:	2203917-006	Matrix: SOIL	Matrix: SOIL         Received Date: 3/17/2022 7:00:00 A							
Analyses		Result	PQL	Qual Units	DF	Date Analyzed	Batch			
EPA MET	HOD 300.0: ANIONS					Analyst	: LRN			
Chloride		ND	59	mg/Kg	20	3/17/2022 9:12:35 PM	66250			
EPA MET	HOD 8015M/D: DIESEL RAM	IGE ORGANICS				Analyst	SB			
Diesel R	ange Organics (DRO)	ND	9.8	mg/Kg	1	3/17/2022 2:19:37 PM	66228			
Motor Oi	l Range Organics (MRO)	ND	49	mg/Kg	1	3/17/2022 2:19:37 PM	66228			
Surr: [	ONOP	88.8	51.1-141	%Rec	1	3/17/2022 2:19:37 PM	66228			
EPA MET	HOD 8015D: GASOLINE RA	NGE				Analyst	: NSB			
Gasoline	Range Organics (GRO)	ND	3.5	mg/Kg	1	3/17/2022 3:07:06 PM	G86557			
Surr: E	3FB	103	70-130	%Rec	1	3/17/2022 3:07:06 PM	G86557			
EPA MET	HOD 8021B: VOLATILES					Analyst	: NSB			
Benzene		ND	0.017	mg/Kg	1	3/17/2022 3:07:06 PM	B86557			
Toluene		ND	0.035	mg/Kg	1	3/17/2022 3:07:06 PM	B86557			
Ethylben	zene	ND	0.035	mg/Kg	1	3/17/2022 3:07:06 PM	B86557			
Xylenes,	Xylenes, Total		0.069	mg/Kg	1	3/17/2022 3:07:06 PM	B86557			
Surr: 4	4-Bromofluorobenzene	93.2	70-130	%Rec	1	3/17/2022 3:07:06 PM	B86557			

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

**Qualifiers:** 

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

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203917

Date Reported: 3/28/2022

CLIENT:	GHD Midland	Client Sample ID: TP4-2								
Project:	Raitt BID State 1		(	Collection Date	e: 3/1	5/2022 9:00:00 AM				
Lab ID:	2203917-007	Matrix: SOIL		Received Date	e: 3/1	7/2022 7:00:00 AM				
Analyses		Result	PQL	Qual Units	DF	Date Analyzed	Batch			
EPA MET	THOD 300.0: ANIONS					Analyst	LRN			
Chloride		ND	60	mg/Kg	20	3/17/2022 9:24:59 PM	66250			
EPA MET	THOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB			
Diesel R	ange Organics (DRO)	ND	9.8	mg/Kg	1	3/17/2022 2:30:25 PM	66228			
Motor Oi	il Range Organics (MRO)	ND	49	mg/Kg	1	3/17/2022 2:30:25 PM	66228			
Surr: I	DNOP	81.5	51.1-141	%Rec	1	3/17/2022 2:30:25 PM	66228			
EPA MET	THOD 8015D: GASOLINE RANGE					Analyst	NSB			
Gasoline	e Range Organics (GRO)	ND	3.5	mg/Kg	1	3/17/2022 3:30:46 PM	G86557			
Surr: I	BFB	100	70-130	%Rec	1	3/17/2022 3:30:46 PM	G86557			
EPA MET	THOD 8021B: VOLATILES					Analyst	NSB			
Benzene	9	ND	0.017	mg/Kg	1	3/17/2022 3:30:46 PM	B86557			
Toluene		ND	0.035	mg/Kg	1	3/17/2022 3:30:46 PM	B86557			
Ethylbenzene		ND	0.035	mg/Kg	1	3/17/2022 3:30:46 PM	B86557			
Xylenes,	Total	ND	0.069	mg/Kg	1	3/17/2022 3:30:46 PM	B86557			
Surr: 4	4-Bromofluorobenzene	92.5	70-130	%Rec	1	3/17/2022 3:30:46 PM	B86557			

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

**Qualifiers:** 

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

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203917

Date Reported: 3/28/2022

CLIENT:	GHD Midland	Client Sample ID: TP4-S								
Project:	Raitt BID State 1		(	Collection Dat	<b>e:</b> 3/1	5/2022 9:30:00 AM				
Lab ID:	2203917-008	Matrix: SOIL	Received Date: 3/17/2022 7:00:00 AM							
Analyses		Result	PQL	Qual Units	DF	Date Analyzed	Batch			
EPA MET	THOD 300.0: ANIONS					Analyst	LRN			
Chloride		ND	60	mg/Kg	20	3/17/2022 9:37:24 PM	66250			
EPA MET	THOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB			
Diesel R	ange Organics (DRO)	190	9.4	mg/Kg	1	3/18/2022 11:21:17 AM	66228			
Motor Oi	il Range Organics (MRO)	190	47	mg/Kg	1	3/18/2022 11:21:17 AM	66228			
Surr: I	DNOP	106	51.1-141	%Rec	1	3/18/2022 11:21:17 AM	66228			
EPA MET	THOD 8015D: GASOLINE RANGE					Analyst	NSB			
Gasoline	e Range Organics (GRO)	ND	4.3	mg/Kg	1	3/17/2022 3:54:24 PM	G86557			
Surr: I	BFB	106	70-130	%Rec	1	3/17/2022 3:54:24 PM	G86557			
EPA MET	THOD 8021B: VOLATILES					Analyst	NSB			
Benzene		ND	0.022	mg/Kg	1	3/17/2022 3:54:24 PM	B86557			
Toluene		ND	0.043	mg/Kg	1	3/17/2022 3:54:24 PM	B86557			
Ethylben	zene	ND	0.043	mg/Kg	1	3/17/2022 3:54:24 PM	B86557			
Xylenes,	Total	ND	0.087	mg/Kg	1	3/17/2022 3:54:24 PM	B86557			
Surr: 4	4-Bromofluorobenzene	93.8	70-130	%Rec	1	3/17/2022 3:54:24 PM	B86557			

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

**Qualifiers:** 

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

Page 8 of 12

Client: Project:	GHD I Raitt B	Midland BID State 1										
Sample ID:	MB-66250	SampT	ype: <b>mt</b>	olk	Test	tCode: EF	PA Method	300.0: Anion	s			
Client ID: PBS Batch ID: 662				250	RunNo: <b>86570</b>							
Prep Date: 3/17/2022 Analysis Date: 3/1				17/2022	S	eqNo: 3	055565	Units: <b>mg/K</b>	g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Chloride		ND	1.5									
Sample ID:	LCS-66250	SampT	ype: Ics	;	Test	tCode: EF	PA Method	300.0: Anion	s			
Client ID:	LCSS	Batch	ID: 66	250	R	lunNo: <b>8</b>	6570					
Prep Date:	3/17/2022	Analysis D	ate: <b>3/</b>	17/2022	S	eqNo: 3	055566	Units: mg/K	g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Chloride		14	1.5	15.00	0	91.5	90	110				

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2203917

28-Mar-22

GHD Midland

**Client:** 

# QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Project: Raitt BI	D State 1									
Sample ID: 2203917-001AMS	SampT	уре: <b>МS</b>	;	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: TP1-2	Batch	1D: 662	228	F	RunNo: <b>8</b>	6542				
Prep Date: 3/17/2022	Analysis D	ate: 3/	17/2022	S	SeqNo: 3	055268	Units: <b>mg/k</b>	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	65	9.7	48.40	37.56	56.8	36.1	154			
Surr: DNOP	6.0		4.840		124	51.1	141			
Sample ID: 2203917-001AMS	<b>SD</b> SampT	уре: <b>МS</b>	D	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: TP1-2	Batch	1D: 662	228	F	RunNo: <b>8</b>	6542				
Prep Date: 3/17/2022	Analysis D	ate: 3/	17/2022	5	SeqNo: 3	055269	Units: <b>mg/k</b>	٤g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	59	9.3	46.69	37.56	46.3	36.1	154	9.44	33.9	
Surr: DNOP	3.9		4.669		83.0	51.1	141	0	0	
Sample ID: LCS-66228	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batch	1D: 662	228	F	RunNo: <b>8</b>	6542				
Prep Date: 3/17/2022	Analysis D	ate: 3/	17/2022	5	SeqNo: 3	055283	Units: <b>mg/k</b>	ζg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	90.7	68.9	135			
Surr: DNOP	3.7		5.000		74.2	51.1	141			
Sample ID: MB-66228	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batch	n ID: 662	228	F	RunNo: <b>8</b>	6542				
Prep Date: 3/17/2022	Analysis D	ate: 3/	17/2022	8	SeqNo: 3	055287	Units: <b>mg/k</b>	ζg		
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	8.3		10.00		82.6	51.1	141			

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- J Analyte detected below quantitation limits
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- RL Reporting Limit

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2203917

28-Mar-22

# QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: Project:	GHD Mic Raitt BID	dland State 1									
Sample ID:	mb	SampT	ype: MI	BLK	Tes	tCode: El	PA Method	8015D: Gaso	oline Rang	e	
Client ID:	PBS	Batch	n ID: <b>G8</b>	36557	F	RunNo: <b>8</b>	6557				
Prep Date:		Analysis D	)ate: 3/	17/2022	S	SeqNo: 3	054763	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang Surr: BFB	ge Organics (GRO)	ND 1100	5.0	1000		107	70	130			
Sample ID:	2.5ug gro lcs	SampT	ype: LC	s	Tes	tCode: El	PA Method	8015D: Gaso	oline Rang	e	
Client ID:	LCSS	Batch	n ID: <b>G8</b>	36557	F	RunNo: 8	6557				
Prep Date:		Analysis D	)ate: <b>3/</b>	17/2022	S	SeqNo: 3	054764	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge Organics (GRO)	24	5.0	25.00	0	96.9	78.6	131			
Surr: BFB		1200		1000		122	70	130			
Sample ID:	2203917-001ams	SampT	ype: MS	S	Tes	tCode: El	PA Method	8015D: Gaso	oline Rang	e	
Client ID:	TP1-2	Batch	n ID: <b>G8</b>	86557	F	RunNo: 8	6557				
Prep Date:		Analysis D	)ate: 3/	17/2022	S	SeqNo: 3	054782	Units: <b>mg/k</b>	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge Organics (GRO)	17	3.8	19.11	0	88.6	70	130			
Surr: BFB		900		764.5		118	70	130			
Sample ID:	2203917-001amsd	I SampT	ype: MS	SD	Tes	tCode: El	PA Method	8015D: Gaso	oline Rang	e	
Client ID:	TP1-2	Batch	n ID: <b>G8</b>	86557	F	RunNo: 8	6557				
Prep Date:		Analysis D	)ate: 3/	17/2022	S	SeqNo: 3	054783	Units: <b>mg/ł</b>	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge Organics (GRO)	17	3.8	19.11	0	88.8	70	130	0.271	20	
Surr: BFB		910		764.5		119	70	130	0	0	

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2203917

28-Mar-22

<b>Released to Imagin</b>	ng: 9/20/2022	2 1:36:36 PM

GHD Midland

Raitt BID State 1

**Client:** 

**Project:** 

Sample ID: mb

# **QC SUMMARY REPORT** Hall Environmental Analysis Laboratory, Inc.

SampType: MBLK

Pren Date	105	Batcl	n ID: <b>B8</b>	6557	F	RunNo: 8	6557				
Thep Date.		Analysis D	)ate: <b>3/</b>	17/2022	5	SeqNo: 3	054808	Units: <b>mg/K</b>	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		ND	0.025								
Toluene		ND	0.050								
Ethylbenzene		ND	0.050								
Xylenes, Total		ND	0.10								
Surr: 4-Brom	ofluorobenzene	0.94		1.000		94.4	70	130			
Sample ID:	100ng btex lcs	SampT	ype: LC	S	Tes	tCode: E	PA Method	8021B: Volat	iles		
Client ID:	LCSS	Batcl	n ID: <b>B8</b>	6557	F	RunNo: <b>8</b>	6557				
Prep Date:		Analysis D	)ate: <b>3/</b>	17/2022	5	SeqNo: 3	054809	Units: <b>mg/K</b>	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.87	0.025	1.000	0	86.7	80	120			
Toluene		0.92	0.050	1.000	0	91.6	80	120			
Ethylbenzene		0.93	0.050	1.000	0	92.6	80	120			
Xylenes, Total		2.8	0.10	3.000	0	93.2	80	120			
Surr: 4-Brom	ofluorobenzene	0.98		1.000		97.8	70	130			
Sample ID:	2203917-002ams	SampT	уре: МS	;	Tes	tCode: E	PA Method	8021B: Volat	iles		
Client ID:	TP1-S	Batcl	n ID: <b>B8</b>	6557	F	RunNo: <b>8</b>	6557				
Durin Data		Analysis D	)ate: 3/	17/2022	5	SeaNo: 3	054821	Units: mg/K	g		
Prep Date:			, alo. <b>0</b> ,								
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Analyte Benzene		Result 0.60	PQL 0.017	SPK value 0.6949	SPK Ref Val	%REC 85.8	LowLimit 68.8	HighLimit 120	%RPD	RPDLimit	Qual
Analyte Benzene Toluene		Result 0.60 0.63	PQL 0.017 0.035	SPK value 0.6949 0.6949	SPK Ref Val 0 0	%REC 85.8 90.9	LowLimit 68.8 73.6	HighLimit 120 124	%RPD	RPDLimit	Qual
Analyte Benzene Toluene Ethylbenzene		Result 0.60 0.63 0.64	PQL 0.017 0.035 0.035	SPK value 0.6949 0.6949 0.6949	SPK Ref Val 0 0 0	%REC 85.8 90.9 91.6	LowLimit 68.8 73.6 72.7	HighLimit 120 124 129	%RPD	RPDLimit	Qual
Analyte Benzene Toluene Ethylbenzene Xylenes, Total		Result 0.60 0.63 0.64 1.9	PQL 0.017 0.035 0.035 0.069	SPK value 0.6949 0.6949 0.6949 2.085	SPK Ref Val 0 0 0 0	%REC 85.8 90.9 91.6 91.8	LowLimit 68.8 73.6 72.7 75.7	HighLimit 120 124 129 126	%RPD	RPDLimit	Qual
Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Brom	ofluorobenzene	Result 0.60 0.63 0.64 1.9 0.68	PQL 0.017 0.035 0.035 0.069	SPK value 0.6949 0.6949 0.6949 2.085 0.6949	SPK Ref Val 0 0 0 0	%REC 85.8 90.9 91.6 91.8 97.4	LowLimit 68.8 73.6 72.7 75.7 70	HighLimit 120 124 129 126 130	%RPD	RPDLimit	Qual
Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Brom Sample ID:	ofluorobenzene 2203917-002amsd	Result 0.60 0.63 0.64 1.9 0.68 SampT	PQL 0.017 0.035 0.035 0.069	SPK value 0.6949 0.6949 0.6949 2.085 0.6949 SD	SPK Ref Val 0 0 0 0 Tes	%REC 85.8 90.9 91.6 91.8 97.4 tCode: E	LowLimit 68.8 73.6 72.7 75.7 70 <b>PA Method</b>	HighLimit 120 124 129 126 130 8021B: Volat	%RPD	RPDLimit	Qual
Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Brom Sample ID: Client ID:	ofluorobenzene 2203917-002amsd TP1-S	Result 0.60 0.63 0.64 1.9 0.68 SampT Batcl	PQL 0.017 0.035 0.035 0.069	SPK value 0.6949 0.6949 0.6949 2.085 0.6949 SD 6557	SPK Ref Val 0 0 0 0 Tes F	%REC 85.8 90.9 91.6 91.8 97.4 tCode: <b>E</b> RunNo: <b>8</b>	LowLimit 68.8 73.6 72.7 75.7 70 PA Method 6557	HighLimit 120 124 129 126 130 8021B: Volat	%RPD	RPDLimit	Qual
Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Brom Sample ID: Client ID: Prep Date:	ofluorobenzene 2203917-002amsd TP1-S	Result 0.60 0.63 0.64 1.9 0.68 SampT Batch Analysis D	PQL 0.017 0.035 0.035 0.069 Type: MS n ID: B8 Date: 3/	SPK value 0.6949 0.6949 2.085 0.6949 5D 6557 17/2022	SPK Ref Val 0 0 0 0 Tes F	%REC 85.8 90.9 91.6 91.8 97.4 tCode: <b>E</b> RunNo: <b>8</b> SeqNo: <b>3</b>	LowLimit 68.8 73.6 72.7 75.7 70 PA Method 6557 054822	HighLimit 120 124 129 126 130 8021B: Volat	%RPD	RPDLimit	Qual
Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Brom Sample ID: Client ID: Prep Date: Analyte	ofluorobenzene 2203917-002amsd TP1-S	Result 0.60 0.63 0.64 1.9 0.68 SampT Batcl Analysis D Result	PQL 0.017 0.035 0.035 0.069 Type: <b>MS</b> or ID: <b>B8</b> Date: <b>3/</b> PQL	SPK value 0.6949 0.6949 2.085 0.6949 5D 6557 17/2022 SPK value	SPK Ref Val 0 0 0 0 Tes F SPK Ref Val	%REC 85.8 90.9 91.6 91.8 97.4 tCode: <b>E</b> RunNo: <b>8</b> SeqNo: <b>3</b> %REC	LowLimit 68.8 73.6 72.7 75.7 70 PA Method 6557 054822 LowLimit	HighLimit 120 124 129 126 130 8021B: Volat Units: mg/K HighLimit	%RPD illes (g %RPD	RPDLimit	Qual
Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Brom Sample ID: Client ID: Prep Date: Analyte Benzene	ofluorobenzene 2203917-002amsd TP1-S	Result           0.60           0.63           0.64           1.9           0.68           SampT           Batcl           Analysis E           Result           0.59	PQL 0.017 0.035 0.035 0.069 ype: MS n ID: B8 Date: 3/ PQL 0.017	SPK value 0.6949 0.6949 2.085 0.6949 5D 6557 17/2022 SPK value 0.6949	SPK Ref Val 0 0 0 Tes F SPK Ref Val 0	%REC 85.8 90.9 91.6 91.8 97.4 tCode: <b>E</b> RunNo: <b>8</b> SeqNo: <b>3</b> %REC 85.2	LowLimit 68.8 73.6 72.7 75.7 70 PA Method 6557 054822 LowLimit 68.8	HighLimit 120 124 129 126 130 8021B: Volat Units: mg/K HighLimit 120	%RPD illes 5g %RPD 0.608	RPDLimit RPDLimit 20	Qual
Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Brom Sample ID: Client ID: Prep Date: Analyte Benzene Toluene	ofluorobenzene 2203917-002amsd TP1-S	Result           0.60           0.63           0.64           1.9           0.68           Samp1           Batcl           Analysis I           Result           0.59           0.63	PQL 0.017 0.035 0.035 0.069 Type: MS n ID: B8 Date: 3/ PQL 0.017 0.035	SPK value 0.6949 0.6949 2.085 0.6949 2.085 0.6949 6557 17/2022 SPK value 0.6949 0.6949 0.6949	SPK Ref Val 0 0 0 Tes F SPK Ref Val 0 0 0	%REC 85.8 90.9 91.6 91.8 97.4 tCode: <b>E</b> RunNo: <b>8</b> SeqNo: <b>3</b> %REC 85.2 90.4	LowLimit 68.8 73.6 72.7 75.7 70 PA Method 6557 054822 LowLimit 68.8 73.6	HighLimit 120 124 129 126 130 8021B: Volat Units: mg/K HighLimit 120 124	%RPD illes 5g %RPD 0.608 0.485	RPDLimit RPDLimit 20 20	Qual
Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Brom Sample ID: Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene	ofluorobenzene 2203917-002amsd TP1-S	Result           0.60           0.63           0.64           1.9           0.68           SampT           Batcl           Analysis E           Result           0.59           0.63           0.64	PQL 0.017 0.035 0.035 0.069 Type: <b>MS</b> Date: <b>3</b> / PQL 0.017 0.035 0.035	SPK value 0.6949 0.6949 2.085 0.6949 5D 6557 17/2022 SPK value 0.6949 0.6949 0.6949 0.6949	SPK Ref Val 0 0 0 0 Tes F SPK Ref Val 0 0 0 0 0 0	%REC 85.8 90.9 91.6 91.8 97.4 tCode: <b>E</b> RunNo: <b>8</b> SeqNo: <b>3</b> %REC 85.2 90.4 91.4	LowLimit 68.8 73.6 72.7 75.7 70 PA Method 66557 054822 LowLimit 68.8 73.6 72.7	HighLimit 120 124 129 126 130 8021B: Volat Units: mg/K HighLimit 120 124 129	%RPD iiles 29 %RPD 0.608 0.485 0.208	RPDLimit RPDLimit 20 20 20 20	Qual
Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Brom Sample ID: Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total	ofluorobenzene 2203917-002amsd TP1-S	Result           0.60           0.63           0.64           1.9           0.68           Samp1           Batcl           Analysis E           Result           0.59           0.63           0.64           1.9	PQL 0.017 0.035 0.035 0.069 Type: <b>MS</b> 0.069 PQL 0.017 0.035 0.035 0.035 0.069	SPK value 0.6949 0.6949 2.085 0.6949 6557 17/2022 SPK value 0.6949 0.6949 0.6949 2.085	SPK Ref Val 0 0 0 0 Tes F SPK Ref Val 0 0 0 0 0 0 0 0 0 0 0 0 0	%REC 85.8 90.9 91.6 91.8 97.4 tCode: <b>E</b> RunNo: <b>8</b> SeqNo: <b>3</b> %REC 85.2 90.4 91.4 91.7	LowLimit 68.8 73.6 72.7 75.7 70 <b>PA Method</b> 6557 054822 LowLimit 68.8 73.6 72.7 75.7	HighLimit 120 124 129 126 130 8021B: Volat Units: mg/K HighLimit 120 124 129 126	%RPD illes 29 %RPD 0.608 0.485 0.208 0.156	RPDLimit RPDLimit 20 20 20 20 20 20	Qual

TestCode: EPA Method 8021B: Volatiles

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

Not Detected at the Reporting Limit ND

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

J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit Page 12 of 12

WO#: 2203917

28-Mar-22

Received by	OCD:	7/29/2022	9:36:57 AM
-------------	------	-----------	------------

Client Name: GHD Midland Received By: Cheyenne Cason Completed By: Tracy Casarrubias Reviewed By: J. 3-17-27 Chain of Custody 1 Us Chain of Custody complete?	Work Order Numl 3/17/2022 7:00:00 / 3/17/2022 7:41:27 /	ber: 2203917 AM AM	Chul	RcptNo:	1
Received By: Cheyenne Cason Completed By: Tracy Casarrubias Reviewed By: 3-17-27 Chain of Custody 1 Js Chain of Custody complete?	3/17/2022 7:00:00 / 3/17/2022 7:41:27 /	AM AM	Charl		
Completed By: Tracy Casarrubias Reviewed By: 3-17-27 Chain of Custody 1 Js Chain of Custody complete?	3/17/2022 7:41:27 /	AM			
Reviewed By: 3-17-27 Chain of Custody 1 Is Chain of Custody complete?					
1 Is Chain of Custody complete?					
I ISLAND OLLISIOOV COMDIERZ		V	No 🗂		
		Yes 💌			
<ol> <li>How was the sample delivered?</li> </ol>		Courier			
Log In					
<ol> <li>Was an attempt made to cool the sample</li> </ol>	IS?	Yes 🗹	No 🗀	NA L	
4. Were all samples received at a temperatu	ire of >0° C to 6.0°C	Yes 🗹	No 🗌		
5. Sample(s) in proper container(s)?		Yes 🗹	No 🗌		
<ol> <li>Sufficient sample volume for indicated tes</li> </ol>	st(s)?	Yes 🔽	No 🗌		
7. Are samples (except VOA and ONG) prop	perly preserved?	Yes 🔽	No 🗌		
3. Was preservative added to bottles?		Yes 🗌	No 🔽	NA 🗌	
9. Received at least 1 vial with headspace <	1/4" for AQ VOA?	Yes 🗌	No 🗌	NA 🗹	
0. Were any sample containers received bro	oken?	Yes 🗆	No 🗹	# of procented	
			_	bottles checked	
1. Does paperwork match bottle labels?		Yes 🗹	No 🗌	for pH:	12 unless noted
2 Are matrices correctly identified on Chain	of Custody?	Yes V	No 🗌	Adjusted?	12 difess inded)
3 Is it clear what analyses were requested?	or outlody.	Yes V		/	11
4. Were all holding times able to be met?		Yes 🗹	No 🗌	Checked by:	123/17/22
(If no, notify customer for authorization.)				/	
pecial Handling (if applicable)					
5. Was client notified of all discrepancies wi	ith this order?	Yes 🗌	No 🗌	NA 🗹	
Person Notified:	Date:				
By Whom:	Via:	eMail	Phone 🗌 Fax	In Person	
Regarding:					
Client Instructions:					
6. Additional remarks:					
17. <u>Cooler Information</u> Cooler No Temp °C Condition	Seal Intact Seal No	Seal Date	Signed By		

Page 1 of 1

Client:	Chain GHD	-of-Cu	ustody Record	Turn-Aroun	d Time: d <u>Þ</u> Rusl ne:	24. how				ŀ	HA N		E YS	N\ 5IS	/IF S L	ro _ai	NP BOI	1EN RA1		IL RY
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324 W	. Main St	Suite 10	8, Artesia NM 88210	Project #:	LIDID 91	the st	-	49		awk		NE -	Alt	ouqu -	erqu	le, N	M 87	109		
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email c	or Fax#:	Becky.H	askell@ghd.com	Project Man	ager:			1ô					04			(F)			1	1-1-
QA/QC □ Star	Package: ndard		Level 4 (Full Validation)	Becky Hask Tom Larson	ell		s (8021	O LMR(	PCB's		SIMS		PO4, S(			VAbsen	Seoc			
	itation: AC	□ Az Co □ Other	ompliance	Sampler: On Ice:	Sampler: Zach Comino On Ice: X Yes □ No		7 TMB	RO / DR	s/8082	504.1)	or 8270		, NO <sub>2</sub> ,		(A)	Presen	1 they			
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Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	+0.1 = 3.9 HEAL No. 2203917	BTEXT M	CPH:8015	3081 Pesti	EDB (Meth	AHs by 8	<b>RCRA 8 M</b>	3l, F, Br,	260 (VOA	270 (Sem	otal Colifo	Land			
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	0820		TP2-S			004	++						-				+		+	$\vdash$
	0845		TPS-2			005											+	+		
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Date: <u> OCUCZZ</u> Date: Date: Date:	Time:	Relinguishe	ed by:	Received by: Received by:	Via: Via:	Date Time 3/16/22 800 Date Time		Rema Ma	arks: Tom atthey	Plea Lar w.La	ase e son( ughl	emai @gh in@	il: Ch d.co ghd. liste	nase m; Z com ed a	Se Sach. Alc bove	ttle@ .Com ong v	eogr nino@ vith B Awb	esourc )ghd.co ecky H	es.co om aske	om; 11 n@eq;

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.

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March 30, 2022

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

RE: Raitt BID State 1

OrderNo.: 2203988

Hall Environmental Analysis Laboratory

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

Website: clients.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 8 sample(s) on 3/18/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203988

Date Reported: 3/30/2022

CLIENT:	GHD Midland	Client Sample ID: TP5-2
Project:	Raitt BID State 1	Collection Date: 3/16/2022 8:30:00 AM
Lab ID:	2203988-001	Matrix: MEOH (SOIL) Received Date: 3/18/2022 7:25:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	LRN
Chloride	150	60		mg/Kg	20	3/18/2022 4:31:17 PM	66264
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS					Analyst	SB
Diesel Range Organics (DRO)	1500	97		mg/Kg	10	3/18/2022 10:12:15 PM	66261
Motor Oil Range Organics (MRO)	500	490		mg/Kg	10	3/18/2022 10:12:15 PM	66261
Surr: DNOP	0	51.1-141	S	%Rec	10	3/18/2022 10:12:15 PM	66261
EPA METHOD 8015D: GASOLINE RANGE						Analyst	NSB
Gasoline Range Organics (GRO)	190	14		mg/Kg	5	3/18/2022 9:38:09 AM	G86597
Surr: BFB	259	70-130	S	%Rec	5	3/18/2022 9:38:09 AM	G86597
EPA METHOD 8021B: VOLATILES						Analyst	NSB
Benzene	ND	0.072		mg/Kg	5	3/18/2022 9:38:09 AM	B86597
Toluene	1.2	0.14		mg/Kg	5	3/18/2022 9:38:09 AM	B86597
Ethylbenzene	0.94	0.14		mg/Kg	5	3/18/2022 9:38:09 AM	B86597
Xylenes, Total	9.6	0.29		mg/Kg	5	3/18/2022 9:38:09 AM	B86597
Surr: 4-Bromofluorobenzene	116	70-130		%Rec	5	3/18/2022 9:38:09 AM	B86597

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

**Qualifiers:** 

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

Page 1 of 10

### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203988

Date Reported: 3/30/2022

CLIENT:	GHD Midland	Client Sample ID: TP5-4
Project:	Raitt BID State 1	Collection Date: 3/16/2022 8:55:00 AM
Lab ID:	2203988-002	Matrix: MEOH (SOIL) Received Date: 3/18/2022 7:25:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	LRN
Chloride	ND	60		mg/Kg	20	3/18/2022 4:43:42 PM	66264
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS					Analyst:	SB
Diesel Range Organics (DRO)	97	9.7		mg/Kg	1	3/18/2022 10:23:03 PM	66261
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/18/2022 10:23:03 PM	66261
Surr: DNOP	78.8	51.1-141		%Rec	1	3/18/2022 10:23:03 PM	66261
EPA METHOD 8015D: GASOLINE RANGE						Analyst	NSB
Gasoline Range Organics (GRO)	19	19		mg/Kg	5	3/18/2022 10:01:50 AM	G86597
Surr: BFB	137	70-130	S	%Rec	5	3/18/2022 10:01:50 AM	G86597
EPA METHOD 8021B: VOLATILES						Analyst:	NSB
Benzene	ND	0.095		mg/Kg	5	3/18/2022 10:01:50 AM	B86597
Toluene	ND	0.19		mg/Kg	5	3/18/2022 10:01:50 AM	B86597
Ethylbenzene	ND	0.19		mg/Kg	5	3/18/2022 10:01:50 AM	B86597
Xylenes, Total	0.57	0.38		mg/Kg	5	3/18/2022 10:01:50 AM	B86597
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	5	3/18/2022 10:01:50 AM	B86597

Refer to the QC Summary 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

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203988

Date Reported: 3/30/2022

CLIENT:	GHD Midland	C	Client Sample ID: TP5-6
Project:	Raitt BID State 1		Collection Date: 3/16/2022 9:10:00 AM
Lab ID:	2203988-003	Matrix: MEOH (SOIL)	Received Date: 3/18/2022 7:25:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	LRN
Chloride	ND	60	mg/Kg	20	3/20/2022 12:38:09 PM	66279
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst:	SB
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	3/18/2022 10:33:51 PM	66261
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	3/18/2022 10:33:51 PM	66261
Surr: DNOP	102	51.1-141	%Rec	1	3/18/2022 10:33:51 PM	66261
EPA METHOD 8015D: GASOLINE RANGE					Analyst:	NSB
Gasoline Range Organics (GRO)	ND	4.1	mg/Kg	1	3/18/2022 11:36:04 AM	G86597
Surr: BFB	107	70-130	%Rec	1	3/18/2022 11:36:04 AM	G86597
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.020	mg/Kg	1	3/18/2022 11:36:04 AM	B86597
Toluene	ND	0.041	mg/Kg	1	3/18/2022 11:36:04 AM	B86597
Ethylbenzene	ND	0.041	mg/Kg	1	3/18/2022 11:36:04 AM	B86597
Xylenes, Total	ND	0.081	mg/Kg	1	3/18/2022 11:36:04 AM	B86597
Surr: 4-Bromofluorobenzene	98.7	70-130	%Rec	1	3/18/2022 11:36:04 AM	B86597

Refer to the QC Summary 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

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203988

Date Reported: 3/30/2022

CLIENT:	GHD Midland	Client Sample ID: TP6-2
Project:	Raitt BID State 1	Collection Date: 3/16/2022 9:50:00 AM
Lab ID:	2203988-005	Matrix: MEOH (SOIL) Received Date: 3/18/2022 7:25:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	LRN
Chloride	ND	60	mg/Kg	20	3/20/2022 1:15:23 PM	66279
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	SB
Diesel Range Organics (DRO)	190	9.8	mg/Kg	1	3/18/2022 10:55:21 PM	66261
Motor Oil Range Organics (MRO)	50	49	mg/Kg	1	3/18/2022 10:55:21 PM	66261
Surr: DNOP	79.3	51.1-141	%Rec	1	3/18/2022 10:55:21 PM	66261
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	20	mg/Kg	5	3/18/2022 12:23:19 PM	G86597
Surr: BFB	117	70-130	%Rec	5	3/18/2022 12:23:19 PM	G86597
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.10	mg/Kg	5	3/18/2022 12:23:19 PM	B86597
Toluene	ND	0.20	mg/Kg	5	3/18/2022 12:23:19 PM	B86597
Ethylbenzene	ND	0.20	mg/Kg	5	3/18/2022 12:23:19 PM	B86597
Xylenes, Total	ND	0.40	mg/Kg	5	3/18/2022 12:23:19 PM	B86597
Surr: 4-Bromofluorobenzene	98.3	70-130	%Rec	5	3/18/2022 12:23:19 PM	B86597

Refer to the QC Summary 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

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203988

Date Reported: 3/30/2022

CLIENT:	GHD Midland	Client Sample ID: TP6-4
Project:	Raitt BID State 1	Collection Date: 3/16/2022 10:05:00 AM
Lab ID:	2203988-006	Matrix: MEOH (SOIL) Received Date: 3/18/2022 7:25:00 AM

: <b>LRN</b> 66279
66279
SB
66261
66261
66261
NSB
G86597
G86597
NSB
B86597
t 1/1/ t 1/1/ 1/1/ 1/1/

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

Qualifiers:

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

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203988

Date Reported: 3/30/2022

CLIENT:	GHD Midland	Client Sample ID: TP6-6
Project:	Raitt BID State 1	Collection Date: 3/16/2022 10:25:00 AM
Lab ID:	2203988-007	Matrix: MEOH (SOIL) Received Date: 3/18/2022 7:25:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	LRN
Chloride	ND	60	mg/Kg	20	3/20/2022 1:40:13 PM	66279
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	3/18/2022 11:16:46 PM	66261
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	3/18/2022 11:16:46 PM	66261
Surr: DNOP	74.4	51.1-141	%Rec	1	3/18/2022 11:16:46 PM	66261
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.2	mg/Kg	1	3/18/2022 1:10:33 PM	G86597
Surr: BFB	111	70-130	%Rec	1	3/18/2022 1:10:33 PM	G86597
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.021	mg/Kg	1	3/18/2022 1:10:33 PM	B86597
Toluene	ND	0.042	mg/Kg	1	3/18/2022 1:10:33 PM	B86597
Ethylbenzene	ND	0.042	mg/Kg	1	3/18/2022 1:10:33 PM	B86597
Xylenes, Total	ND	0.084	mg/Kg	1	3/18/2022 1:10:33 PM	B86597
Surr: 4-Bromofluorobenzene	102	70-130	%Rec	1	3/18/2022 1:10:33 PM	B86597

Refer to the QC Summary 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

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# QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client:	GHD	Midland								
Project:	Raitt	BID State 1								
Sample ID:	MB-66264	SampType: <b>m</b> l	olk	Test	tCode: EF	A Method	300.0: Anion	S		
Client ID:	PBS	Batch ID: 66	264	R	RunNo: <b>86</b>	593				
Prep Date:	3/18/2022	Analysis Date: 3/	18/2022	S	eqNo: 30	)56321	Units: mg/K	g		
Analyte Chloride		Result PQL ND 1.5	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sample ID:	LCS-66264	SampType: Ics TestCode: EPA Method 300.0: Anions								
Client ID:	LCSS	Batch ID: 66	264	F	unNo: <b>86</b>	593				
Prep Date:	3/18/2022	Analysis Date: 3/	18/2022	S	eqNo: 30	)56322	Units: mg/K	g		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14 1.5	15.00	0	95.8	90	110			
Sample ID:	MB-66279	SampType: <b>ml</b>	SampType: mblk TestCode: EPA Method 300.0: Anions							
Client ID:	PBS	Batch ID: 66	atch ID: 66279 RunNo: 86610							
Prep Date:	3/20/2022	Analysis Date: 3/	20/2022	S	eqNo: 30	)57325	Units: mg/K	g		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND 1.5								
Sample ID:	LCS-66279	SampType: Ics	SampType: Ics TestCode: EPA Method 300.0: Anions				S			
Client ID:	LCSS	Batch ID: 66	ID: 66279 RunNo: 86610							
Prep Date:	3/20/2022	Analysis Date: 3/	20/2022	S	eqNo: 30	)57326	Units: mg/K	g		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14 1.5	15.00	0	90.0	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

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2203988

30-Mar-22
GHD M											
Raitt BI	D State 1										
S-66261	SampT	ype: LC	S	Test	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics		
SS	Batch	n ID: 66	261	R	RunNo: 8	6572					
18/2022	Analysis D	ate: 3/	18/2022	S	eqNo: 3	057106	Units: <b>mg/K</b>	g			
	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
nics (DRO)	46	10	50.00	0	91.3	68.9	135				
	3.4		5.000		67.2	51.1	141				
8-66261	SampT	ype: ME	BLK	Test	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics		
S	Batch	n ID: 66	261	R	RunNo: 8	6572					
18/2022	Analysis D	ate: 3/	18/2022	S	eqNo: 3	057110	Units: <b>mg/K</b>	(g			
	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
nics (DRO)	Result ND	PQL 10	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
nics (DRO) ganics (MRO)	Result ND ND	PQL 10 50	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
	GHD M Raitt BI S-66261 SS '18/2022 nics (DRO) 3-66261 S '18/2022	GHD Midland Raitt BID State 1 S-66261 SampT SS Batch '18/2022 Analysis D Result nics (DRO) 46 3.4 3-66261 SampT S Batch '18/2022 Analysis D	GHD Midland Raitt BID State 1 S-66261 SampType: LC SS Batch ID: 66 '18/2022 Analysis Date: 3/ Result PQL nics (DRO) 46 10 3.4 3-66261 SampType: ME S Batch ID: 66 '18/2022 Analysis Date: 3/	GHD Midland Raitt BID State 1         S-66261       SampType:       LCS         SS       Batch ID:       66261         '18/2022       Analysis Date:       3/18/2022         Result       PQL       SPK value         nics (DRO)       46       10       50.00         3.4       5.000         3-66261       SampType:       MBLK         S       Batch ID:       66261         /18/2022       Analysis Date:       3/18/2022	GHD Midland         Raitt BID State 1         S-66261       SampType: LCS       Test         SS       Batch ID: 66261       F         '18/2022       Analysis Date: 3/18/2022       S         Result       PQL       SPK value       SPK Ref Val         nics (DRO)       46       10       50.00       0         3.4       5.000       3.4       Test         S       Batch ID: 66261       F       F         Y18/2022       Analysis Date: 3/18/2022       S	GHD Midland         Raitt BID State 1         S-66261       SampType: LCS       TestCode: EF         SS       Batch ID: 66261       RunNo: 86         '18/2022       Analysis Date: 3/18/2022       SeqNo: 36         Result       PQL       SPK value       SPK Ref Val       %REC         nics (DR0)       46       10       50.00       0       91.3         3.4       5.000       67.2         S       Batch ID: 66261       RunNo: 86         Y18/2022       Analysis Date: 3/18/2022       SeqNo: 36	GHD Midland Raitt BID State 1         S-66261       SampType: LCS       TestCode: EPA Method         SS       Batch ID:       66261       RunNo:       86572         '18/2022       Analysis Date:       3/18/2022       SeqNo:       3057106         Result       PQL       SPK value       SPK Ref Val       %REC       LowLimit         nics (DR0)       46       10       50.00       0       91.3       68.9         3.4       5.000       67.2       51.1         SeqCode: EPA Method         Batch ID:       66261       RunNo:       86572         Y18/2022       Analysis Date:       3/18/2022       SeqNo:       3057110	GHD Midland Raitt BID State 1         S-66261       SampType: LCS       TestCode: EPA Method 8015M/D: Dia 80572         SS       Batch ID:       66261       RunNo:       86572         '18/2022       Analysis Date:       3/18/2022       SeqNo:       3057106       Units:       mg/k         Result       PQL       SPK value       SPK Ref Val       %REC       LowLimit       HighLimit         nics (DR0)       46       10       50.00       0       91.3       68.9       135         3.4       5.000       67.2       51.1       141         S-66261       SampType:       MBLK       TestCode:       EPA Method 8015M/D: Dia         S       Batch ID:       66261       RunNo:       86572         Y18/2022       Analysis Date:       3/18/2022       SeqNo:       3057110       Units:       mg/k	GHD Midland Raitt BID State 1         S-66261       SampType: LCS       TestCode: EPA Method 8015M/D: Diesel Range         SS       Batch ID: 66261       RunNo: 86572         '18/2022       Analysis Date: 3/18/2022       SeqNo: 3057106       Units: mg/Kg         Result       PQL       SPK value       SPK Ref Val       %REC       LowLimit       HighLimit       %RPD         nics (DR0)       46       10       50.00       0       91.3       68.9       135         3.4       5.000       67.2       51.1       141         SeqNo: 3057110       Units: mg/Kg         Batch ID:       66261       RunNo: 86572         Y18/2022       Analysis Date:       3/18/2022       SeqNo: 3057110       Units: mg/Kg	GHD Midland Raitt BID State 1         S-66261       SampType: LCS       TestCode: EPA Method 8015M/D: Diesel Range Organics         S         SampType: LCS       TestCode: EPA Method 8015M/D: Diesel Range Organics         S       Batch ID: 66261       RunNo: 86572         Y18/2022       SeqNo: 3057106       Units: mg/Kg         Nethod 8015M/D: Diesel Range Organics         Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit         nics (DR0)       46       10       50.00       0       91.3       68.9       135         3.4       5.000       Of G7.2       51.1       141         Sef6261       SampType: MBLK       TestCode: EPA Method 8015M/D: Diesel Range Organics         S       Batch ID: 66261       RunNo: 86572         Y18/2022       SeqNo: 3057110       Units: mg/Kg	GHD Midland Raitt BID State 1         S-66261       SampType: LCS       TestCode: EPA Method 8015M/D: Diesel Range Organics         S       Batch ID: 66261       RunNo: 86572         TI8/2022       SeqNo: 3057106       Units: mg/Kg         Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual         nics (DR0)       46       10       50.00       0       91.3       68.9       135         3.4       TestCode: EPA Method 8015M/D: Diesel Range Organics         Se6261       SampType: MBLK       TestCode: EPA Method 8015M/D: Diesel Range Organics         S       Batch ID: 66261       RunNo: 86572         Match ID: 66261       RunNo: 86572         Y18/2022       SeqNo: 3057110       Units: mg/Kg

Qualifiers:

- \* Value exceeds Maximum Contaminant 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

2203988

30-Mar-22

Client: Project:	GHD Mid Raitt BID	lland State 1										
Sample ID: mb		SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015D: Gaso	oline Rang	e		
Client ID: PBS	s	Batch	1D: <b>G8</b>	86597	F	RunNo: 8	6597					
Prep Date:		Analysis D	ate: 3/	18/2022	S	SeqNo: 3	056670	Units: mg/k	۲g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Org	ganics (GRO)	ND	5.0									
Surr: BFB		1100		1000		115	70	130				
Sample ID: 2.5	ug gro Ics	SampT	ype: LC	s	Tes	tCode: El	PA Method	8015D: Gaso	oline Rang	e		
Client ID: LCS	SS	Batch	n ID: <b>G8</b>	86597	F	RunNo: 8	6597					
Prep Date:		Analysis D	ate: 3/	18/2022	5	SeqNo: 3	056671	Units: <b>mg/k</b>	٢g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Org	ganics (GRO)	29	5.0	25.00	0	115	78.6	131				
Surr: BFB		2400		1000		238	70	130			S	
Sample ID: 220	3988-001ams	SampT	ype: <b>M</b> \$	6	Tes	tCode: El	PA Method	8015D: Gaso	oline Rang	е		
Client ID: TP5	5-2	Batch	1D: <b>G8</b>	86597	F	RunNo: 8	6597					
Prep Date:		Analysis D	ate: 3/	18/2022	5	SeqNo: 3	056680	Units: <b>mg/ł</b>	٢g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Org	ganics (GRO)	270	14	72.05	193.6	109	70	130				
Surr: BFB		16000		2882		553	70	130			S	
Sample ID: 220	3988-001amsd	SampT	ype: MS	SD	Tes	tCode: El	PA Method	8015D: Gaso	oline Rang	e		
Client ID: TP5	5-2	Batch	ID: <b>G8</b>	86597	F	RunNo: 8	6597					
Prep Date:		Analysis D	ate: 3/	18/2022	S	SeqNo: 3	056681	Units: <b>mg/k</b>	٢g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Org	ganics (GRO)	280	14	72.05	193.6	121	70	130	3.17	20		
Surr: BFB		16000		2882		569	70	130	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 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

2203988

30-Mar-22

GHD Midland

Raitt BID State 1

**Client:** 

**Project:** 

### **QC SUMMARY REPORT** Hall Environmental Analysis Laboratory, Inc.

Sample ID:	mb	SampType: MBLK TestCode: EPA Method 8021B: Volatiles									
Client ID:	PBS	Batcl	n ID: <b>B8</b>	6597	F	RunNo: 8	6597				
Prep Date:		Analysis D	)ate: <b>3/</b>	18/2022	S	SeqNo: 3	056724	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		ND	0.025								
Toluene		ND	0.050								
Ethylbenzene		ND	0.050								
Xylenes, Total		ND	0.10								
Surr: 4-Brom	ofluorobenzene	1.0		1.000		103	70	130			
Sample ID:	100ng btex lcs	SampT	ype: LC	S	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID:	LCSS	Batcl	n ID: <b>B8</b>	6597	F	RunNo: <b>8</b>	6597				
Prep Date:		Analysis D	)ate: <b>3/</b>	18/2022	S	BeqNo: 3	056725	Units: <b>mg/K</b>	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.92	0.025	1.000	0	92.1	80	120			
Toluene		0.98	0.050	1.000	0	97.6	80	120			
Ethylbenzene		0.98	0.050	1.000	0	98.2	80	120			
Xylenes, Total		2.9	0.10	3.000	0	98.1	80	120			
Surr: 4-Brom	nofluorobenzene	1.0		1.000		102	70	130			
Sample ID:	2203988-002ams	SampT	ype: MS	6	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID:	TP5-4	Batcl	n ID: <b>B8</b>	6597	F	RunNo: <b>8</b>	6597				
Prep Date:		Analysis D	)ate: <b>3/</b>	18/2022	5	SeqNo: 3	056734	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		3.4	0.095	3.802	0	88.8	68.8	120			
Toluene		3.6	0.19	3.802	0.05970	94.1	73.6	124			
Ethylbenzene		3.7	0.19	3.802	0.08441	94.9	72.7	129			
Xylenes, Total		12	0.38	11.41	0.5650	96.4	75.7	126			
Surr: 4-Brom	ofluorobenzene	3.9		3.802		103	70	130			
Sample ID:	2203988-002amsd	SampT	уре: <b>МS</b>	SD.	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID:	TP5-4	Batcl	n ID: <b>B8</b>	6597	F	RunNo: <b>8</b>	6597				
Prep Date:		Analysis D	0ate: <b>3/</b>	18/2022	5	SeqNo: 3	056735	Units: <b>mg/K</b>	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		3.4	0.095	3.802	0	88.9	68.8	120	0.0900	20	
Toluene		3.6	0.19	3.802	0.05970	92.8	73.6	124	1.33	20	
Ethylbenzene		3.7	0.19	3.802	0.08441	94.3	72.7	129	0.558	20	
Xylenes, Total		12	0.38	11.41	0.5650	96.2	75.7	126	0.204	20	
Surr: 4-Brom	ofluorobenzene	4.0		3.802		104	70	130	0	0	

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit ND

PQL Practical Quanitative Limit

Qualifiers:

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

Е Estimated value

J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit Page 10 of 10

WO#: 2203988

30-Mar-22

ANALYSIS	TEL: 505-345- Website: clier	49 Albuquer -3975 FAX nts.hallenv	01 Hawkin que, NM 8 : 505-345 ironmental	s NE 7109 4107 Leom	Sar	mple Log-In Check	List
Client Name: GHD Midland	Work Order Nur	mber: 220	3988			RcptNo: 1	
Received By: Cheyenne Cason	3/18/2022 7:25:00	) AM		Chene	1		
Completed By: Sean Livingston	3/18/2022 8:05:30	) AM		<	1	, , , , , , , , , , , , , , , , , , ,	
Reviewed By: 3-18-22				م ل	-6	i Jat-	
Chain of Custody							
1. Is Chain of Custody complete?		Yes		No		Not Present	
2. How was the sample delivered?		Cou	rier				
<u>Log In</u>							
3. Was an attempt made to cool the sample:	\$?	Yes		No		NA 🗌	
4. Were all samples received at a temperatu	re of >0° C to 6.0°C	Yes	V	No		NA 🗔	
5. Sample(s) in proper container(s)?		Yes		No			
6. Sufficient sample volume for indicated test	(s)?	Yes	V	No			
7. Are samples (except VOA and ONG) prop	erly 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 brol	ken?	Yes		No			
11. Does paperwork match bottle labels?		Yes		No		# of preserved bottles checked for pH:	/
(Note discrepancies on chain of custody)			-			(<2 or >12 unless	noted)
12. Sit clear what analyses were requested?	f Custody?	Yes		No		Adjusted?	
14 Were all holding times able to be mot?		Yes		No		Charling has and 21	6/22
(If no, notify customer for authorization.)		Yes		No		Checked by: JK 31	0122
Special Handling (if applicable)							
15. Was client notified of all discrepancies with	this order?	Yes		No		NA 🔽	
Person Notified:	Date	k			_		
By Whom:	Via:	eMa	ail 🗌 Ph	none	Fax	In Person	
Regarding:							
16. Additional remarks:				_			
17 Cooler Information							
Cooler No. Tomp % Condition							

.

Page 1 of 1

Client	Chain GHD	i-of-C	ustody Record	Turn-Around Time:				_			1	HA		. E	N SI	VII S I	RO _AI	N BC	ME		AL
Mailin	g Addres	S:		-	D	'11 P-			www.hallenvironmental.com												
324 W	/. Main S	t. Suite 10	08 Artesia NM 88210	Projec		artt D1	1) State #1	4901 Hawkins NE - Albuquerque, NM 87109					)								
Phone	#:	(505)37	7-4218	-	120			Tel. 505-345-3975 Fax 505-345-4107													
email	or Fax#:	Becky.H	laskell@ghd.com	Projec	Project Manager:			-		-	-	-	A	Anal	ysis	Rec	ues	t		1540	
QA/QC □ Sta	VQC Package: Standard			Becky Haskell			\$ (8021)	/ MRO	CB's	CBS	SIMS		O4, SO4			Absent)		uple	AH		
Accrea	ditation:	🗆 Az Co	ompliance	Sampl	Sampler: Zach Comino			MB's	DRG	82 F	=	270		02, F			sent/	0	Set	8	11
	LAC	□ Othe	r	On Ice	On Ice: X Yes □ No # of Coolers: Cooler Temp(including CF): X -O = 1.8			-F	10	s/80	504.	or 8.		N		(A	Pres	d 30	dess	S	
				# of Co Cooler				MTBE	5D(GF	sticide	thod 5	8310	Metals	NO3	A)	ni-VO	form (	Metho	ole in	2 20	
Date	Time	Matrix	Sample Name	Contai Type a	ner and #	Preservative Type	HEAL NO.	BTEX / 1	TPH:801	8081 Pes	EDB (Me	PAHs by	RCRA 8 I	CI, F, Br,	3260 (VO	3270 (Ser	Fotal Coli	Chloride I	tel rem	AS M	
03422	0830	Ś	TP5-2	Ter	/		001	20	0			-		-			F	5		-	++
	0855		TP5-4	1			002	1										~			++
	0910		TPS-6		-		500	11						-				+	-		++
_	0970		TPS-8				024	11	H									+	N		++
$\square$	050		TP6-2				700	11							-		-	+	~		++
	1005		TP6-4				200	11					-				-	$\mathbf{H}$	-+		++
	1025		TP6-6				Ten	1	11								-	+	-	+	++
4	1045	• •	TP6-8	L		1	DON	4	+					1				4	x	+	++
					_																
		-								$\rightarrow$	-	_	-	-	-		_	_			$\square$
			4						-	+	-	+	+	-	-	-	-	+	-	_	$\square$
Date: Date: Date: 17/22	Time: Time: 1966	Relinguishe	d by: d by:	Received Received	by: by: Cex	Via: Via: Via:	Date Time 3/17/12 200 Date Time		Rema Ar	Tom	Plea Lan	ase e son@ Ma ffin@	emai Dgho tthev Deog	I: Ch d.con v.La resc	m; Zi ughli ource	_Set ach.0 in@g	tle@ Com ghd.com m: A	eog ino@ com;	reso gghc gwitł	urces.c l.com 1 Becky	 om; /
Date: Time: Relinquished by: 17/12 900 Aummine 17/12 900 Aummine If necessary, samples submitted to Hall Environmental may be sub				Received	by: Conter ac	Via: Via: Via: Via: Via: Via: Via: Via:	Date Time Stac 0725 This serves as notice of this	s possib	Ar ility. A	Tom nber	.Lan _Gri	son@ Ma ffin@ Direc	Deog Has	d.con v.La iresc skell <del>I to l</del>	m; Zi ughli burce liste EOC	ach. in@g es.co d ab	Com ghd.com m: A ove.	ino@ com; long	g with	Beck	y

1 of 152



June 20, 2022

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

RE: Raitt BID State 1

OrderNo.: 2206636

Hall Environmental Analysis Laboratory

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

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

Dear Becky Haskell:

Hall Environmental Analysis Laboratory received 6 sample(s) on 6/11/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report Lab Order 2206636

Date Reported: 6/20/2022

CLIENT:	CLIENT: GHD Midland Client Sample ID: SW-4										
Project:	Raitt BID State 1		(	Collection Dat	<b>e:</b> 6/1	10/2022 10:30:00 AM					
Lab ID:	2206636-001	Matrix: SOIL		<b>Received Dat</b>	<b>e:</b> 6/1	1/2022 10:00:00 AM					
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch				
EPA MET	THOD 300.0: ANIONS					Analyst	: LRN				
Chloride		78	61	mg/Kg	20	6/15/2022 11:52:15 PM	68134				
EPA ME	THOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	ED:				
Diesel Ra	ange Organics (DRO)	ND	13	mg/Kg	1	6/16/2022 7:11:48 PM	68103				
Motor Oil	l Range Organics (MRO)	ND	44	mg/Kg	1	6/16/2022 7:11:48 PM	68103				
Surr: [	DNOP	130	51.1-141	%Rec	1	6/16/2022 7:11:48 PM	68103				
EPA ME	THOD 8015D: GASOLINE RANG	E				Analyst	BRM				
Gasoline	Range Organics (GRO)	ND	4.9	mg/Kg	1	6/14/2022 1:53:48 PM	68079				
Surr: E	3FB	94.8	37.7-212	%Rec	1	6/14/2022 1:53:48 PM	68079				
EPA ME	THOD 8021B: VOLATILES					Analyst	BRM				
Benzene		ND	0.025	mg/Kg	1	6/14/2022 1:53:48 PM	68079				
Toluene		ND	0.049	mg/Kg	1	6/14/2022 1:53:48 PM	68079				
Ethylben	zene	ND	0.049	mg/Kg	1	6/14/2022 1:53:48 PM	68079				
Xylenes,	Total	ND	0.099	mg/Kg	1	6/14/2022 1:53:48 PM	68079				
Surr: 4	I-Bromofluorobenzene	92.4	70-130	%Rec	1	6/14/2022 1:53:48 PM	68079				

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

Qualifiers: \* Value exceeds Maximum Contaminant Level.

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

Page 1 of 10

Hall	<b>Environmental</b>	Analysis	Laboratory,	Inc.
		•/		

Lab Order 2206636

Date Reported: 6/20/2022

CLIENT: GHD Midland		Cli	ient Sample II	D: SV	V-5				
Project: Raitt BID State 1		(	Collection Dat	e: 6/1	10/2022 10:40:00 AM				
Lab ID: 2206636-002	Matrix: SOIL		Received Date	ceived Date: 6/11/2022 10:00:0					
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analyst	: LRN			
Chloride	ND	60	mg/Kg	20	6/16/2022 12:04:36 AM	68134			
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst	ED:			
Diesel Range Organics (DRO)	ND	13	mg/Kg	1	6/16/2022 7:22:49 PM	68103			
Motor Oil Range Organics (MRO)	ND	43	mg/Kg	1	6/16/2022 7:22:49 PM	68103			
Surr: DNOP	132	51.1-141	%Rec	1	6/16/2022 7:22:49 PM	68103			
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst	BRM			
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	6/14/2022 3:05:23 PM	68079			
Surr: BFB	97.4	37.7-212	%Rec	1	6/14/2022 3:05:23 PM	68079			
EPA METHOD 8021B: VOLATILES					Analyst	BRM			
Benzene	ND	0.023	mg/Kg	1	6/14/2022 3:05:23 PM	68079			
Toluene	ND	0.047	mg/Kg	1	6/14/2022 3:05:23 PM	68079			
Ethylbenzene	ND	0.047	mg/Kg	1	6/14/2022 3:05:23 PM	68079			
Xylenes, Total	ND	0.094	mg/Kg	1	6/14/2022 3:05:23 PM	68079			
Surr: 4-Bromofluorobenzene	93.2	70-130	%Rec	1	6/14/2022 3:05:23 PM	68079			

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

**Qualifiers:** 

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

Page 2 of 10

Lab Order 2206636

Date Reported: 6/20/2022

CLIENT:	GHD Midland		Cli	ient Sample II	D: SV	V-6	
Project:	Raitt BID State 1		(	Collection Dat	<b>e: 6</b> /1	10/2022 10:50:00 AM	
Lab ID:	2206636-003	Matrix: SOIL		<b>Received Dat</b>	<b>e: 6</b> /1	1/2022 10:00:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA MET	THOD 300.0: ANIONS					Analyst	t: LRN
Chloride		460	60	mg/Kg	20	6/16/2022 12:16:58 AM	68134
EPA ME	THOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst	t: ED
Diesel Ra	ange Organics (DRO)	16	13	mg/Kg	1	6/16/2022 7:33:50 PM	68103
Motor Oil	Range Organics (MRO)	ND	43	mg/Kg	1	6/16/2022 7:33:50 PM	68103
Surr: [	DNOP	126	51.1-141	%Rec	1	6/16/2022 7:33:50 PM	68103
EPA ME	THOD 8015D: GASOLINE RANG	<b>SE</b>				Analyst	t: BRM
Gasoline	Range Organics (GRO)	ND	5.0	mg/Kg	1	6/14/2022 3:53:16 PM	68079
Surr: E	3FB	98.7	37.7-212	%Rec	1	6/14/2022 3:53:16 PM	68079
EPA ME	THOD 8021B: VOLATILES					Analyst	t: BRM
Benzene		ND	0.025	mg/Kg	1	6/14/2022 3:53:16 PM	68079
Toluene		ND	0.050	mg/Kg	1	6/14/2022 3:53:16 PM	68079
Ethylben	zene	ND	0.050	mg/Kg	1	6/14/2022 3:53:16 PM	68079
Xylenes,	Total	ND	0.099	mg/Kg	1	6/14/2022 3:53:16 PM	68079
Surr: 4	1-Bromofluorobenzene	96.0	70-130	%Rec	1	6/14/2022 3:53:16 PM	68079

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

\* **Qualifiers:** 

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

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2206636

Date Reported: 6/20/2022

CLIENT:	GHD Midland		Cl	ient Sample II	): Bł	H-1	
Project:	Raitt BID State 1		(	Collection Dat	e: 6/1	10/2022 11:00:00 AM	
Lab ID:	2206636-004	Matrix: SOIL		<b>Received Dat</b>	<b>e: 6</b> /1	11/2022 10:00:00 AM	
Analyses	l	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA ME	THOD 300.0: ANIONS					Analyst	: LRN
Chloride		73	60	mg/Kg	20	6/16/2022 12:53:59 AM	68139
EPA ME	THOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst	: ED
Diesel R	ange Organics (DRO)	ND	14	mg/Kg	1	6/16/2022 7:44:48 PM	68103
Motor Oi	l Range Organics (MRO)	ND	47	mg/Kg	1	6/16/2022 7:44:48 PM	68103
Surr: [	ONOP	108	51.1-141	%Rec	1	6/16/2022 7:44:48 PM	68103
EPA ME	THOD 8015D: GASOLINE R	ANGE				Analyst	BRM
Gasoline	Range Organics (GRO)	ND	4.7	mg/Kg	1	6/14/2022 4:17:12 PM	68079
Surr: E	BFB	97.3	37.7-212	%Rec	1	6/14/2022 4:17:12 PM	68079
EPA ME	THOD 8021B: VOLATILES					Analyst	BRM
Benzene	9	ND	0.023	mg/Kg	1	6/14/2022 4:17:12 PM	68079
Toluene		ND	0.047	mg/Kg	1	6/14/2022 4:17:12 PM	68079
Ethylben	zene	ND	0.047	mg/Kg	1	6/14/2022 4:17:12 PM	68079
Xylenes,	Total	ND	0.093	mg/Kg	1	6/14/2022 4:17:12 PM	68079
Surr: 4	4-Bromofluorobenzene	93.4	70-130	%Rec	1	6/14/2022 4:17:12 PM	68079

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

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

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

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Analytical Report Lab Order 2206636

#### Date Reported: 6/20/2022

CLIENT: GHD Midland		Cl	ient Sample II	D: BH	H-5	
<b>Project:</b> Raitt BID State 1		(	Collection Dat	<b>e: 6</b> /1	10/2022 11:40:00 AM	
Lab ID: 2206636-005	Matrix: SOIL		<b>Received Dat</b>	<b>e:</b> 6/1	11/2022 10:00:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: LRN
Chloride	ND	60	mg/Kg	20	6/16/2022 1:06:19 AM	68139
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	6/16/2022 7:55:44 PM	68103
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	6/16/2022 7:55:44 PM	68103
Surr: DNOP	120	51.1-141	%Rec	1	6/16/2022 7:55:44 PM	68103
EPA METHOD 8015D: GASOLINE RANG	)E				Analys	t: BRM
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	6/14/2022 4:41:10 PM	68079
Surr: BFB	96.3	37.7-212	%Rec	1	6/14/2022 4:41:10 PM	68079
EPA METHOD 8021B: VOLATILES					Analys	t: BRM
Benzene	ND	0.023	mg/Kg	1	6/14/2022 4:41:10 PM	68079
Toluene	ND	0.046	mg/Kg	1	6/14/2022 4:41:10 PM	68079
Ethylbenzene	ND	0.046	mg/Kg	1	6/14/2022 4:41:10 PM	68079
Xylenes, Total	ND	0.091	mg/Kg	1	6/14/2022 4:41:10 PM	68079
Surr: 4-Bromofluorobenzene	93.8	70-130	%Rec	1	6/14/2022 4·41·10 PM	68079

Refer to the QC Summary 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

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2206636

Date Reported: 6/20/2022

CLIENT:	GHD Midland		Cli	ient Sample II	): Bł	I-6	
Project:	Raitt BID State 1		(	Collection Date	e: 6/1	10/2022 11:50:00 AM	
Lab ID:	2206636-006	Matrix: SOIL		Received Date	e: 6/	11/2022 10:00:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA ME	THOD 300.0: ANIONS					Analys	t: LRN
Chloride		ND	60	mg/Kg	20	6/16/2022 1:43:22 AM	68139
EPA ME	THOD 8015M/D: DIESEL RAN	GE ORGANICS				Analys	t: <b>ED</b>
Diesel R	ange Organics (DRO)	ND	15	mg/Kg	1	6/16/2022 8:06:36 PM	68103
Motor Oi	l Range Organics (MRO)	ND	49	mg/Kg	1	6/16/2022 8:06:36 PM	68103
Surr: [	ONOP	135	51.1-141	%Rec	1	6/16/2022 8:06:36 PM	68103
EPA ME	THOD 8015D: GASOLINE RAN	NGE				Analys	t: BRM
Gasoline	Range Organics (GRO)	ND	5.0	mg/Kg	1	6/14/2022 5:05:11 PM	68079
Surr: E	3FB	97.8	37.7-212	%Rec	1	6/14/2022 5:05:11 PM	68079
EPA ME	THOD 8021B: VOLATILES					Analys	t: BRM
Benzene		ND	0.025	mg/Kg	1	6/14/2022 5:05:11 PM	68079
Toluene		ND	0.050	mg/Kg	1	6/14/2022 5:05:11 PM	68079
Ethylben	zene	ND	0.050	mg/Kg	1	6/14/2022 5:05:11 PM	68079
Xylenes,	Total	ND	0.099	mg/Kg	1	6/14/2022 5:05:11 PM	68079
Surr: 4	1-Bromofluorobenzene	94.7	70-130	%Rec	1	6/14/2022 5:05:11 PM	68079

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

**Qualifiers:** 

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

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Client:	GHD M	idland								
Project:	Raitt BI	D State 1								
Sample ID:	MB-68134	SampType: <b>m</b> t	olk	Tes	tCode: EP	A Method	300.0: Anions	;		
Client ID:	PBS	Batch ID: 68	134	F	RunNo: <b>88</b>	758				
Prep Date:	6/15/2022	Analysis Date: 6/	15/2022	S	SeqNo: 31	52203	Units: mg/K	g		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chionde		1.5								
Sample ID:	LCS-68134	SampType: Ics	;	Tes	tCode: EP	A Method	300.0: Anions	;		
Client ID:	LCSS	Batch ID: 68	134	F	RunNo: <b>88</b>	8758				
Prep Date:	6/15/2022	Analysis Date: 6/	15/2022	8	SeqNo: 31	52204	Units: mg/K	g		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14 1.5	15.00	0	94.1	90	110			
Sample ID:	MB-68139	SampType: <b>mb</b>	olk	Tes	tCode: EF	A Method	300.0: Anions	;		
Client ID:	PBS	Batch ID: 68	139	F	RunNo: <b>88</b>	8758				
Prep Date:	6/15/2022	Analysis Date: 6/	16/2022	S	SeqNo: 31	52233	Units: mg/K	g		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND 1.5								
Sample ID:	LCS-68139	SampType: Ics	;	Tes	tCode: EF	A Method	300.0: Anions	;		
Client ID:	LCSS	Batch ID: 68	139	F	RunNo: <b>88</b>	8758				
Prep Date:	6/15/2022	Analysis Date: 6/	16/2022	S	SeqNo: 31	52234	Units: mg/K	g		
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 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

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2206636

20-Jun-22

Client:GHDProject:Raitt	Midland BID State 1									
Sample ID: LCS-68103	SampT	Type: LC	S	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: LCSS	Batcl	h ID: 681	103	F	RunNo: <b>88</b>	3796				
Prep Date: 6/14/2022	Analysis E	Date: <b>6/</b> *	16/2022	S	SeqNo: 31	154083	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	58	15	50.00	0	116	64.4	127			
Surr: DNOP	6.0		5.000		120	51.1	141			
Sample ID: MB-68103	SampT	Гуре: МЕ	BLK	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: PBS	Batcl	h ID: 681	103	F	RunNo: <b>88</b>	3796				
Prep Date: 6/14/2022	Analysis [	Date: <b>6/</b> '	16/2022	Ś	SeqNo: 31	154084	Units: <b>mg/K</b>	g		
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		109	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

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2206636

20-Jun-22

Client: Project:	GHD Mie Raitt BID	dland O State 1									
Sample ID: Ic:	s-68079	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8015D: Gaso	line Range		
Client ID: LC	CSS	Batcl	n ID: 680	079	F	RunNo: <b>88</b>	3705				
Prep Date: 6	6/13/2022	Analysis E	Date: <b>6/</b>	14/2022	5	SeqNo: 31	49489	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range O	rganics (GRO)	26	5.0	25.00	0	105	72.3	137			
Surr: BFB		2100		1000		207	37.7	212			
Sample ID: m	b-68079	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8015D: Gaso	line Range		
Client ID: PE	BS	Batcl	n ID: 680	079	F	RunNo: <b>88</b>	3705				
Prep Date: 6	6/13/2022	Analysis E	Date: 6/	14/2022	5	SeqNo: 31	49490	Units: <b>mg/K</b>	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range O	rganics (GRO)	ND	5.0								
Surr: BFB		910		1000		91.2	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

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20-Jun-22

GHD Midland

**Client:** 

### **QC SUMMARY REPORT** Hall Environmental Analysis Laboratory, Inc.

Project:	Raitt BID	State 1										
Sample ID:	LCS-68079	SampT	Type: LC	S	Tes	tCode: EF	PA Method	8021B: Volati	iles			
Client ID:	LCSS	Batcl	h ID: 680	)79	F	RunNo: 8	8705					
Prep Date:	6/13/2022	Analysis [	Date: <b>6/</b> *	14/2022	5	SeqNo: 3	149505	Units: <b>mg/K</b>	g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene		0.88	0.025	1.000	0	88.0	80	120				
Toluene		0.91	0.050	1.000	0	91.2	80	120				
Ethylbenzene		0.91	0.050	1.000	0	91.3	80	120				
Xylenes, Total		2.8	0.10	3.000	0	91.9	80	120				
Surr: 4-Bron	nofluorobenzene	0.95		1.000		95.0	70	130				
Sample ID:	mb-68079	Samp	Гуре: МЕ	BLK	Tes	tCode: EF	PA Method	8021B: Volati	iles			
Client ID:	PBS	Batcl	h ID: 680	)79	F	RunNo: <b>8</b>	8705					
Prep Date:	6/13/2022	Analysis [	Date: <b>6/</b>	14/2022	S	SeqNo: 3'	149506	Units: <b>mg/K</b>	g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene		ND	0.025									
Toluene		ND	0.050									
Ethylbenzene		ND	0.050									
Xylenes, Total		ND	0.10									
Surr: 4-Bron	nofluorobenzene	0.90		1.000		90.2	70	130				
Sample ID:	2206636-001ams	Samp	Гуре: МS	;	Tes	stCode: EF	PA Method	8021B: Volati	iles			
Client ID:	SW-4	Batcl	h ID: 680	)79	F	RunNo: <b>8</b>	8705					
Prep Date:	6/13/2022	Analysis [	Date: <b>6/</b>	14/2022	S	SeqNo: 3	150258	Units: <b>mg/K</b>	g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene		0.87	0.025	0.9843	0	88.6	68.8	120				
Toluene		0.92	0.049	0.9843	0	93.6	73.6	124				
Ethylbenzene		0.94	0.049	0.9843	0	95.4	72.7	129				
Xylenes, Total		2.8	0.098	2.953	0	95.7	75.7	126				
Surr: 4-Bron	nofluorobenzene	0.92		0.9843		93.4	70	130				
Sample ID:	2206636-001amsd	Samp	Гуре: <b>МS</b>	D	Tes	stCode: EF	PA Method	8021B: Volati	iles			
Client ID:	SW-4	Batcl	h ID: 680	)79	F	RunNo: <b>8</b>	8705					
Prep Date:	6/13/2022	Analysis [	Date: <b>6/</b> *	14/2022	S	SeqNo: 3	150259	Units: <b>mg/K</b>	g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene		0.89	0.025	0.9814	0	90.5	68.8	120	1.80	20		
Toluene		0.93	0.049	0.9814	0	94.8	73.6	124	0.989	20		
Ethylbenzene		0.94	0.049	0.9814	0	95.6	72.7	129	0.0749	20		
Xylenes, Total		2.8	0.098	2.944	0	95.8	75.7	126	0.187	20		
Surr: 4-Bron	nofluorobenzene	0.94		0.9814		95.9	70	130	0	0		

#### **Qualifiers:**

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

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#### WO#: 2206636

20-Jun-22

	RONMENTAL YSIS Ratory	TEL: 505- Website	490 Albuquera -345-3975 FAX: 2: www.hallenvi	11 Hawkins nue, NM 87 505-345-4 ronmental.	s NE 7109 <b>Sai</b> 1107 com	mple Log-In Check List
Client Name:	GHD Midland	Work Order	Number: 220	6636		RcptNo: 1
Received By:	Desiree Dominguez	6/11/2022 10:	00:00 AM		TAZ	
Completed By:	Desiree Dominguez	6/11/2022 10:	40:45 AM		TD	
Reviewed By:	OMC	6/13/22	-			
Chain of Cus	tody					
1. Is Chain of C	ustody complete?		Yes	$\checkmark$	No 🗌	Not Present
2. How was the	sample delivered?		Cou	rier		
Log In						
3. Was an attem	npt made to cool the sample	es?	Yes		No 🗌	NA 🗌
4. Were all samp	oles received at a temperat	ure of >0° C to 6.0°	C Yes	✓	No 🗌	
5. Sample(s) in	proper container(s)?		Yes		No 🗌	
6. Sufficient sam	ple volume for indicated te	st(s)?	Yes	~	No 🗌	
7. Are samples (	except VOA and ONG) pro	perly preserved?	Yes	~	No 🗌	
8. Was preserva	tive added to bottles?	The function of the	Yes		No 🔽	NA 🗌
9. Received at le	ast 1 vial with headspace <	1/4" for AQ VOA?	Yes		No 🗌	NA 🔽
10. Were any san	nple containers received br	oken?	Yes		No 🔽	
						# of preserved bottles checked
11. Does paperwo	ork match bottle labels?		Yes	✓	No 🗌	for pH:
(Note discrepa	ancies on chain of custody)	of Custodu?				(<2 or >12 unless noted) Adjusted2
3 Is it clear what	analyses were requested?	of Custody?	Yes			
4. Were all holdin (If no. notify ci	ng times able to be met?		Yes	V		Checked by: DAD 6/11/22
pecial Handl	ing (if applicable)					
15. Was client no	tified of all discrepancies w	ith this order?	Yes		No 🗌	NA 🗹
Person	Notified:		Date:			
By Who	om:		Via: 🗆 eM	ail 🗆 Pl	none 🗌 Fax	In Person
Regardi	ing:					
Client Ir	nstructions:					
16. Additional rer	marks:					
17. <u>Cooler Infor</u> Cooler No	mation Temp °C Condition	Seal Intact Seal	No Seal D	ate	Signed By	
1	5.9 Good				Collect Spin	

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I					I								
Z Standard	M Rush	5 Bul		1			l v	U	MNON	A F N			
Project Name						ed ww	lanviro						
La:+	SID 54	ate #1	4	901 H	awkins	NE	Albuc	Inerat	e. NM 87109	0	νc <sub>D</sub> .		
Project #:				Tel. 50	5-345	3975	Fa	x 505	345-4107		114)		
12575	HLO.					4	nalysi	s Req	uest				
Project Mana	ger:		()	10	1		*O*	_					
Becky Haskel	2		208	s,8;	511	0.0	S '*(						
1) Tom Larson			) s,{	ЬС	150		ЪС	_			572		
Sampler:	Heath Boyd		TME	280	(1.1	170	10 <sup>5</sup>			-	11/1		
On Ice:	X Yes	□ No	. / 3	8/se	200	s	3, 1	(AO	V				
# of Coolers: Cooler Temp	notuction CE)' C	the area.	IBTN	ticid	poy	eteN.		V-in	1 008				
	· · · · · · · · ·	101 - 214 -	SIC	sə	telv	8 1	Br,	Ser	c əl				
Container Type and #	Preservative Type	3206636	BTEX.	F 1808	EDB (	АЯЭЯ	CI' E'	) 0228	Chlorid				
Hor. Jar / 1	N/4	100-	X						X				
	1	- 002	X X		-				X				
1.00		- 003	x X						X				
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subcontracted to other ac	credited laboratorie	s. This serves as notice of thi	s possibility	Any sub	-contract	ed data v	vill be cle	arly nota	ed on the analytic	al report.	50 0j 1.		
	oject #: oject Managoject #: m Larson mpler: ntainer t Coolers: oler Tempo eited by:	oject #: I 2 5 7 5 0 7 4 oject Manager: cky Haskell m Larson mpler: Heath Boyd i Coolers: r. J. / / / A r. J. / / / / A r. J. / / / A r. J. / / / / / A r. J. / / / / / A r. J. / / / / A r. J. / / / / / / A r. J. / / / / / A r. J. / / / / / / / / / / / / / A r. J. / / / / / / / / / / / / / / / / / /	ioject #:         I 2 575 O 1 4         oject Manager:         rcky Haskell         m Larson         m Larson         mpler: Heath Boyd         moler: Moler Templereich         moler: Moler Templereich         moler: Moler Templereich         moler: Moler Templereich         from trainer         Type         oler Templereichen         Type         eand #         Type         mitainer         Type         Type         eand #         Type         eand #         Type         eand #         Type         off         mitainer         trans         mitainer         Type         tooff         tooff <td>I C S 7 S O 14         Oject #:         I C S 7 S O 14         Oject Manager:         cky Haskell         m Larson         m Larson         mpler:       Heath Boyd         mpler:       Heath Boyd         mpler:       Heath Boyd         mpler:       Heath Boyd         mtainer       Preservative         T Topic (S T A)       N/M PC         Mainer       Preservative         Mainer       Preservative         Mainer       Preservative         Mainer       Preservative         Mutainer       Preservative         Mainer       Preservative         Mainer       Preservative         Mainer       Preservative         Mainer       Preservative         Mainer       Preservative         Mutainer       Preservative         Mutain       V</td> <td>Tel. 50         Tel. 600         Tel. 600         Tel. 600         Tel. 600         Tel. 600         Tel. 700         <th <="" colspan="2" td=""><td>I C S 7 S O 14       Tel: 505-345         Oject #:          <ul> <li>I C S 7 S O 14</li> <li>I C S 7 S O 14</li> <li>I Larson</li> <li>I m Larson</li> <li>I Loco</li> <li>I m Larson</li> <li>I Loco</li> <li>I m Larson</li> <li>I m Larson</li> <li>I m Larson</li> <li>I m Larson</li> <li>I L M H H M H M H M H M H M H M H M H M H</li></ul></td><td>Tel. 505-345-3975         Oject #:</td><td>ICS75014       Tel. 505-345-3976       Far analysis         ICS75014       IES75014       Analysis       IES05-345-3976       Far analysis         Pick Harshell       m Larson       m Larson       M Larson       Analysis         m Larson       m Larson       m Larson       M Larson       Analysis         m Larson       m Larson       M Larson       M Larson       Analysis         m Larson       m Larson       M Larson       M Larson       Analysis         m Larson       m Larson       M Larson       M Larson       Analysis         m pict.       Heath Boyd       M M Reithed S (8081 Pestincidee/8082 PCB's)       Analysis         m tainer       Preservative       H EAL No.       P PAHs by 8310 or 82705IMS         ntainer       Preservative       A A A A A A A A A A A A A A A A A A A</td><td>IC 575 O14       Tel. 505-345-3975       Fax 505- Atalysis Req oject #:         IC 575 O14       IE 575 O14         Oject Manager:       cvy Haskell         mularson       mularson         mpler:       Heath Boyd         model Termpronation Gni: 5(, H to, 2-5; qr.         fright and #       Type         frinter       The and #</td><td>IE 505-345-307       Tel 505-345-307         Tel 505-345-307         Tel 505-345-307         Oper thanager:         Oper thanager:         Oper thanager:         CKV Haskell         Matures         Matures</td><td>Tel. 505-345-3975       Fax 505-345-3976       Fax 505-345-3976         To Colspan="2"&gt;Tel. 505-345-3076       Fax 505-345-3470         Coly Haskell         Analysis Returest         Analy</td></th></td>	I C S 7 S O 14         Oject #:         I C S 7 S O 14         Oject Manager:         cky Haskell         m Larson         m Larson         mpler:       Heath Boyd         mpler:       Heath Boyd         mpler:       Heath Boyd         mpler:       Heath Boyd         mtainer       Preservative         T Topic (S T A)       N/M PC         Mainer       Preservative         Mainer       Preservative         Mainer       Preservative         Mainer       Preservative         Mutainer       Preservative         Mainer       Preservative         Mainer       Preservative         Mainer       Preservative         Mainer       Preservative         Mainer       Preservative         Mutainer       Preservative         Mutain       V	Tel. 50         Tel. 600         Tel. 600         Tel. 600         Tel. 600         Tel. 600         Tel. 700 <th <="" colspan="2" td=""><td>I C S 7 S O 14       Tel: 505-345         Oject #:          <ul> <li>I C S 7 S O 14</li> <li>I C S 7 S O 14</li> <li>I Larson</li> <li>I m Larson</li> <li>I Loco</li> <li>I m Larson</li> <li>I Loco</li> <li>I m Larson</li> <li>I m Larson</li> <li>I m Larson</li> <li>I m Larson</li> <li>I L M H H M H M H M H M H M H M H M H M H</li></ul></td><td>Tel. 505-345-3975         Oject #:</td><td>ICS75014       Tel. 505-345-3976       Far analysis         ICS75014       IES75014       Analysis       IES05-345-3976       Far analysis         Pick Harshell       m Larson       m Larson       M Larson       Analysis         m Larson       m Larson       m Larson       M Larson       Analysis         m Larson       m Larson       M Larson       M Larson       Analysis         m Larson       m Larson       M Larson       M Larson       Analysis         m Larson       m Larson       M Larson       M Larson       Analysis         m pict.       Heath Boyd       M M Reithed S (8081 Pestincidee/8082 PCB's)       Analysis         m tainer       Preservative       H EAL No.       P PAHs by 8310 or 82705IMS         ntainer       Preservative       A A A A A A A A A A A A A A A A A A A</td><td>IC 575 O14       Tel. 505-345-3975       Fax 505- Atalysis Req oject #:         IC 575 O14       IE 575 O14         Oject Manager:       cvy Haskell         mularson       mularson         mpler:       Heath Boyd         model Termpronation Gni: 5(, H to, 2-5; qr.         fright and #       Type         frinter       The and #</td><td>IE 505-345-307       Tel 505-345-307         Tel 505-345-307         Tel 505-345-307         Oper thanager:         Oper thanager:         Oper thanager:         CKV Haskell         Matures         Matures</td><td>Tel. 505-345-3975       Fax 505-345-3976       Fax 505-345-3976         To Colspan="2"&gt;Tel. 505-345-3076       Fax 505-345-3470         Coly Haskell         Analysis Returest         Analy</td></th>	<td>I C S 7 S O 14       Tel: 505-345         Oject #:          <ul> <li>I C S 7 S O 14</li> <li>I C S 7 S O 14</li> <li>I Larson</li> <li>I m Larson</li> <li>I Loco</li> <li>I m Larson</li> <li>I Loco</li> <li>I m Larson</li> <li>I m Larson</li> <li>I m Larson</li> <li>I m Larson</li> <li>I L M H H M H M H M H M H M H M H M H M H</li></ul></td> <td>Tel. 505-345-3975         Oject #:</td> <td>ICS75014       Tel. 505-345-3976       Far analysis         ICS75014       IES75014       Analysis       IES05-345-3976       Far analysis         Pick Harshell       m Larson       m Larson       M Larson       Analysis         m Larson       m Larson       m Larson       M Larson       Analysis         m Larson       m Larson       M Larson       M Larson       Analysis         m Larson       m Larson       M Larson       M Larson       Analysis         m Larson       m Larson       M Larson       M Larson       Analysis         m pict.       Heath Boyd       M M Reithed S (8081 Pestincidee/8082 PCB's)       Analysis         m tainer       Preservative       H EAL No.       P PAHs by 8310 or 82705IMS         ntainer       Preservative       A A A A A A A A A A A A A A A A A A A</td> <td>IC 575 O14       Tel. 505-345-3975       Fax 505- Atalysis Req oject #:         IC 575 O14       IE 575 O14         Oject Manager:       cvy Haskell         mularson       mularson         mpler:       Heath Boyd         model Termpronation Gni: 5(, H to, 2-5; qr.         fright and #       Type         frinter       The and #</td> <td>IE 505-345-307       Tel 505-345-307         Tel 505-345-307         Tel 505-345-307         Oper thanager:         Oper thanager:         Oper thanager:         CKV Haskell         Matures         Matures</td> <td>Tel. 505-345-3975       Fax 505-345-3976       Fax 505-345-3976         To Colspan="2"&gt;Tel. 505-345-3076       Fax 505-345-3470         Coly Haskell         Analysis Returest         Analy</td>		I C S 7 S O 14       Tel: 505-345         Oject #: <ul> <li>I C S 7 S O 14</li> <li>I C S 7 S O 14</li> <li>I Larson</li> <li>I m Larson</li> <li>I Loco</li> <li>I m Larson</li> <li>I Loco</li> <li>I m Larson</li> <li>I m Larson</li> <li>I m Larson</li> <li>I m Larson</li> <li>I L M H H M H M H M H M H M H M H M H M H</li></ul>	Tel. 505-345-3975         Oject #:	ICS75014       Tel. 505-345-3976       Far analysis         ICS75014       IES75014       Analysis       IES05-345-3976       Far analysis         Pick Harshell       m Larson       m Larson       M Larson       Analysis         m Larson       m Larson       m Larson       M Larson       Analysis         m Larson       m Larson       M Larson       M Larson       Analysis         m Larson       m Larson       M Larson       M Larson       Analysis         m Larson       m Larson       M Larson       M Larson       Analysis         m pict.       Heath Boyd       M M Reithed S (8081 Pestincidee/8082 PCB's)       Analysis         m tainer       Preservative       H EAL No.       P PAHs by 8310 or 82705IMS         ntainer       Preservative       A A A A A A A A A A A A A A A A A A A	IC 575 O14       Tel. 505-345-3975       Fax 505- Atalysis Req oject #:         IC 575 O14       IE 575 O14         Oject Manager:       cvy Haskell         mularson       mularson         mpler:       Heath Boyd         model Termpronation Gni: 5(, H to, 2-5; qr.         fright and #       Type         frinter       The and #	IE 505-345-307       Tel 505-345-307         Tel 505-345-307         Tel 505-345-307         Oper thanager:         Oper thanager:         Oper thanager:         CKV Haskell         Matures         Matures	Tel. 505-345-3975       Fax 505-345-3976       Fax 505-345-3976         To Colspan="2">Tel. 505-345-3076       Fax 505-345-3470         Coly Haskell         Analysis Returest         Analy

### **Released to Imaging: 9/20/2022 1:36:36 PM**



June 22, 2022

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

RE: Raitt BID State 1

OrderNo.: 2206710

Hall Environmental Analysis Laboratory

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

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 18 sample(s) on 6/14/2022 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

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall	Environme	ntal An	alysis L	Laborat	ory, ]	Inc.
			•/		•/ /	

Lab Order 2206710

Date Reported: 6/22/2022

CLIENT:	GHD Midland		Cl	ient Sample II	D: SV	V-1	
Project:	Raitt BID State 1		(	Collection Dat	<b>e: 6</b> /1	13/2022 10:10:00 AM	
Lab ID:	2206710-001	Matrix: SOIL		<b>Received Dat</b>	<b>e: 6</b> /1	14/2022 7:05:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
	THOD 300.0: ANIONS					Analyst	LRN
Chloride		63	60	mg/Kg	20	6/20/2022 4:14:03 PM	68209
EPA ME	THOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: ED
Diesel Ra	ange Organics (DRO)	ND	15	mg/Kg	1	6/16/2022 11:00:47 PM	68149
Motor Oil	l Range Organics (MRO)	ND	50	mg/Kg	1	6/16/2022 11:00:47 PM	68149
Surr: [	DNOP	139	51.1-141	%Rec	1	6/16/2022 11:00:47 PM	68149
EPA ME	THOD 8015D: GASOLINE RANG	E				Analyst	BRM
Gasoline	Range Organics (GRO)	ND	4.7	mg/Kg	1	6/16/2022 9:17:00 PM	68140
Surr: E	3FB	86.8	37.7-212	%Rec	1	6/16/2022 9:17:00 PM	68140
EPA ME	THOD 8021B: VOLATILES					Analyst	BRM
Benzene		ND	0.023	mg/Kg	1	6/16/2022 9:17:00 PM	68140
Toluene		ND	0.047	mg/Kg	1	6/16/2022 9:17:00 PM	68140
Ethylben	zene	ND	0.047	mg/Kg	1	6/16/2022 9:17:00 PM	68140
Xylenes,	Total	ND	0.094	mg/Kg	1	6/16/2022 9:17:00 PM	68140
Surr: 4	1-Bromofluorobenzene	84.3	70-130	%Rec	1	6/16/2022 9:17:00 PM	68140

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

**Qualifiers:** 

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

Page 1 of 26

Lab Order 2206710

Date Reported: 6/22/2022

CLIENT:	GHD Midland		Cli	ient Sample II	D: SV	V-2	
Project:	Raitt BID State 1		(	Collection Dat	e: 6/1	3/2022 10:20:00 AM	
Lab ID:	2206710-002	Matrix: SOIL		<b>Received Dat</b>	e: 6/1	4/2022 7:05:00 AM	
Analyses	i i i i i i i i i i i i i i i i i i i	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA MET	THOD 300.0: ANIONS					Analyst	: LRN
Chloride		510	60	mg/Kg	20	6/20/2022 4:51:17 PM	68209
EPA ME	THOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	ED
Diesel Ra	ange Organics (DRO)	23	14	mg/Kg	1	6/16/2022 11:11:51 PM	68149
Motor Oil	I Range Organics (MRO)	ND	47	mg/Kg	1	6/16/2022 11:11:51 PM	68149
Surr: [	DNOP	123	51.1-141	%Rec	1	6/16/2022 11:11:51 PM	68149
EPA ME	THOD 8015D: GASOLINE RANGE	E				Analyst	BRM
Gasoline	Range Organics (GRO)	ND	5.0	mg/Kg	1	6/16/2022 9:36:00 PM	68140
Surr: E	3FB	89.9	37.7-212	%Rec	1	6/16/2022 9:36:00 PM	68140
EPA ME	THOD 8021B: VOLATILES					Analyst	BRM
Benzene		ND	0.025	mg/Kg	1	6/16/2022 9:36:00 PM	68140
Toluene		ND	0.050	mg/Kg	1	6/16/2022 9:36:00 PM	68140
Ethylben	zene	ND	0.050	mg/Kg	1	6/16/2022 9:36:00 PM	68140
Xylenes,	Total	ND	0.10	mg/Kg	1	6/16/2022 9:36:00 PM	68140
Surr: 4	1-Bromofluorobenzene	86.6	70-130	%Rec	1	6/16/2022 9:36:00 PM	68140

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

**Qualifiers:** 

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

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2206710

Date Reported: 6/22/2022

CLIENT:	GHD Midland		Cl	ient Sample II	): Bł	I-4	
Project:	Raitt BID State 1		(	Collection Dat	e: 6/1	13/2022 10:30:00 AM	
Lab ID:	2206710-003	Matrix: SOIL		Received Date	e: 6/1	14/2022 7:05:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA ME	THOD 300.0: ANIONS					Analyst	: LRN
Chloride		67	60	mg/Kg	20	6/20/2022 5:28:31 PM	68209
EPA ME	THOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	ED
Diesel R	ange Organics (DRO)	ND	14	mg/Kg	1	6/16/2022 11:22:52 PM	68149
Motor Oi	l Range Organics (MRO)	ND	48	mg/Kg	1	6/16/2022 11:22:52 PM	68149
Surr: [	ONOP	98.2	51.1-141	%Rec	1	6/16/2022 11:22:52 PM	68149
EPA ME	THOD 8015D: GASOLINE RANG	E				Analyst	BRM
Gasoline	Range Organics (GRO)	ND	4.7	mg/Kg	1	6/16/2022 9:56:00 PM	68140
Surr: E	3FB	86.8	37.7-212	%Rec	1	6/16/2022 9:56:00 PM	68140
EPA ME	THOD 8021B: VOLATILES					Analyst	BRM
Benzene		ND	0.024	mg/Kg	1	6/16/2022 9:56:00 PM	68140
Toluene		ND	0.047	mg/Kg	1	6/16/2022 9:56:00 PM	68140
Ethylben	zene	ND	0.047	mg/Kg	1	6/16/2022 9:56:00 PM	68140
Xylenes,	Total	ND	0.095	mg/Kg	1	6/16/2022 9:56:00 PM	68140
Surr: 4	1-Bromofluorobenzene	86.7	70-130	%Rec	1	6/16/2022 9:56:00 PM	68140

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

\* **Qualifiers:** 

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

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Analytical Report Lab Order 2206710

Date Reported: 6/22/2022

CLIENT: GHD Midland		Cl	ient Sample II	): Bł	I-7	
<b>Project:</b> Raitt BID State 1		(	Collection Dat	e: 6/1	13/2022 10:40:00 AM	
Lab ID: 2206710-004	Matrix: SOIL		Received Date	e: 6/2	14/2022 7:05:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	ND	60	mg/Kg	20	6/20/2022 5:40:56 PM	68209
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS				Analyst	ED
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	6/16/2022 11:33:56 PM	68149
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	6/16/2022 11:33:56 PM	68149
Surr: DNOP	126	51.1-141	%Rec	1	6/16/2022 11:33:56 PM	68149
EPA METHOD 8015D: GASOLINE RAM	IGE				Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	6/16/2022 10:16:00 PM	68140
Surr: BFB	90.5	37.7-212	%Rec	1	6/16/2022 10:16:00 PM	68140
EPA METHOD 8021B: VOLATILES					Analyst	BRM
Benzene	ND	0.023	mg/Kg	1	6/16/2022 10:16:00 PM	68140
Toluene	ND	0.046	mg/Kg	1	6/16/2022 10:16:00 PM	68140
Ethylbenzene	ND	0.046	mg/Kg	1	6/16/2022 10:16:00 PM	68140
Xylenes, Total	ND	0.092	mg/Kg	1	6/16/2022 10:16:00 PM	68140
Surr: 4-Bromofluorobenzene	88.5	70-130	%Rec	1	6/16/2022 10:16:00 PM	68140

Refer to the QC Summary 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

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Analytical Report Lab Order 2206710

Date Reported: 6/22/2022

CLIENT:	GHD Midland		Cl	ient Sample II	D: Bł	I-9	
Project:	Raitt BID State 1		(	Collection Dat	e: 6/1	3/2022 10:50:00 AM	
Lab ID:	2206710-005	Matrix: SOIL		<b>Received Dat</b>	<b>e:</b> 6/1	4/2022 7:05:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA MET	THOD 300.0: ANIONS					Analyst	: LRN
Chloride		200	60	mg/Kg	20	6/20/2022 5:53:21 PM	68209
EPA ME	THOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst	: ED
Diesel Ra	ange Organics (DRO)	74	14	mg/Kg	1	6/16/2022 11:44:57 PM	68149
Motor Oil	Range Organics (MRO)	68	47	mg/Kg	1	6/16/2022 11:44:57 PM	68149
Surr: [	DNOP	108	51.1-141	%Rec	1	6/16/2022 11:44:57 PM	68149
EPA ME	THOD 8015D: GASOLINE RANG	<b>GE</b>				Analyst	BRM
Gasoline	Range Organics (GRO)	ND	4.8	mg/Kg	1	6/16/2022 10:36:00 PM	68140
Surr: E	3FB	89.2	37.7-212	%Rec	1	6/16/2022 10:36:00 PM	68140
EPA ME	THOD 8021B: VOLATILES					Analyst	BRM
Benzene		ND	0.024	mg/Kg	1	6/16/2022 10:36:00 PM	68140
Toluene		ND	0.048	mg/Kg	1	6/16/2022 10:36:00 PM	68140
Ethylben	zene	ND	0.048	mg/Kg	1	6/16/2022 10:36:00 PM	68140
Xylenes,	Total	ND	0.096	mg/Kg	1	6/16/2022 10:36:00 PM	68140
Surr: 4	1-Bromofluorobenzene	87.8	70-130	%Rec	1	6/16/2022 10:36:00 PM	68140

Refer to the QC Summary 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

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Analytical Report Lab Order 2206710

#### Date Reported: 6/22/2022

CLIENT	: GHD Midland		Cli	ient Sample II	): BI	H-10			
<b>Project:</b>	Raitt BID State 1	Collection Date: 6/13/2022 11:00:00 AM							
Lab ID:	2206710-006	Matrix: SOIL		<b>Received Dat</b>	e: 6/	14/2022 7:05:00 AM			
Analyses	5	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA ME	THOD 300.0: ANIONS					Analys	t: LRN		
Chloride		920	60	mg/Kg	20	6/20/2022 6:05:46 PM	68209		
EPA ME	THOD 8015M/D: DIESEL RA	NGE ORGANICS				Analys	t: ED		
Diesel R	ange Organics (DRO)	73	13	mg/Kg	1	6/16/2022 11:55:56 PM	68149		
Motor Oi	il Range Organics (MRO)	59	43	mg/Kg	1	6/16/2022 11:55:56 PM	68149		
Surr:	DNOP	116	51.1-141	%Rec	1	6/16/2022 11:55:56 PM	68149		
EPA ME	THOD 8015D: GASOLINE R	ANGE				Analys	t: BRM		
Gasoline	e Range Organics (GRO)	ND	4.6	mg/Kg	1	6/16/2022 10:56:00 PM	68140		
Surr:	BFB	88.6	37.7-212	%Rec	1	6/16/2022 10:56:00 PM	68140		
EPA ME	THOD 8021B: VOLATILES					Analys	t: BRM		
Benzene	9	ND	0.023	mg/Kg	1	6/16/2022 10:56:00 PM	68140		
Toluene		ND	0.046	mg/Kg	1	6/16/2022 10:56:00 PM	68140		
Ethylben	izene	ND	0.046	mg/Kg	1	6/16/2022 10:56:00 PM	68140		
Xylenes,	, Total	ND	0.093	mg/Kg	1	6/16/2022 10:56:00 PM	68140		
Surr:	4-Bromofluorobenzene	84.0	70-130	%Rec	1	6/16/2022 10:56:00 PM	68140		

Refer to the QC Summary 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

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2206710

Date Reported: 6/22/2022

CLIENT:	GHD Midland		Cli	ient Sample II	): BF	H-12				
Project:	Raitt BID State 1	Collection Date: 6/13/2022 11:30:00 AM								
Lab ID:	2206710-007	Matrix: SOIL		Received Date	e: 6/1	14/2022 7:05:00 AM				
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA MET	THOD 300.0: ANIONS					Analyst	: LRN			
Chloride		140	60	mg/Kg	20	6/20/2022 6:18:11 PM	68209			
EPA ME	THOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	ED			
Diesel Ra	ange Organics (DRO)	26	13	mg/Kg	1	6/17/2022 12:06:48 AM	68149			
Motor Oil	l Range Organics (MRO)	ND	44	mg/Kg	1	6/17/2022 12:06:48 AM	68149			
Surr: [	DNOP	94.4	51.1-141	%Rec	1	6/17/2022 12:06:48 AM	68149			
EPA ME	THOD 8015D: GASOLINE RANGE	E				Analyst	BRM			
Gasoline	Range Organics (GRO)	ND	5.0	mg/Kg	1	6/16/2022 11:16:00 PM	68140			
Surr: E	3FB	89.1	37.7-212	%Rec	1	6/16/2022 11:16:00 PM	68140			
EPA ME	THOD 8021B: VOLATILES					Analyst	BRM			
Benzene		ND	0.025	mg/Kg	1	6/16/2022 11:16:00 PM	68140			
Toluene		ND	0.050	mg/Kg	1	6/16/2022 11:16:00 PM	68140			
Ethylben	zene	ND	0.050	mg/Kg	1	6/16/2022 11:16:00 PM	68140			
Xylenes,	Total	ND	0.10	mg/Kg	1	6/16/2022 11:16:00 PM	68140			
Surr: 4	1-Bromofluorobenzene	86.6	70-130	%Rec	1	6/16/2022 11:16:00 PM	68140			

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

**Qualifiers:** 

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

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2206710

Date Reported: 6/22/2022

CLIENT:	GHD Midland		Cli	ient Sample II	): BF	H-13	
Project:	Raitt BID State 1		(	Collection Date	e: 6/1	13/2022 11:40:00 AM	
Lab ID:	2206710-008	Matrix: SOIL		Received Date	e: 6/1	14/2022 7:05:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA MET	HOD 300.0: ANIONS					Analyst	LRN
Chloride		74	59	mg/Kg	20	6/20/2022 6:30:35 PM	68209
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	ED
Diesel Ra	ange Organics (DRO)	ND	13	mg/Kg	1	6/17/2022 12:17:37 AM	68149
Motor Oil	Range Organics (MRO)	ND	44	mg/Kg	1	6/17/2022 12:17:37 AM	68149
Surr: D	NOP	106	51.1-141	%Rec	1	6/17/2022 12:17:37 AM	68149
ЕРА МЕТ	HOD 8015D: GASOLINE RANGE	E				Analyst	BRM
Gasoline	Range Organics (GRO)	ND	4.8	mg/Kg	1	6/16/2022 11:36:00 PM	68140
Surr: E	3FB	90.9	37.7-212	%Rec	1	6/16/2022 11:36:00 PM	68140
EPA MET	HOD 8021B: VOLATILES					Analyst	BRM
Benzene		ND	0.024	mg/Kg	1	6/16/2022 11:36:00 PM	68140
Toluene		ND	0.048	mg/Kg	1	6/16/2022 11:36:00 PM	68140
Ethylbenz	zene	ND	0.048	mg/Kg	1	6/16/2022 11:36:00 PM	68140
Xylenes,	Total	ND	0.095	mg/Kg	1	6/16/2022 11:36:00 PM	68140
Surr: 4	-Bromofluorobenzene	88.6	70-130	%Rec	1	6/16/2022 11:36:00 PM	68140

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

\* **Qualifiers:** 

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

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2206710

Date Reported: 6/22/2022

CLIENT:	GHD Midland		Cl	ient Sample II	): BH	H-14				
Project:	Raitt BID State 1	Collection Date: 6/13/2022 12:10:00 PM								
Lab ID:	2206710-009	Matrix: SOIL		Received Date	e: 6/1	14/2022 7:05:00 AM				
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA MET	HOD 300.0: ANIONS					Analyst	: LRN			
Chloride		ND	60	mg/Kg	20	6/17/2022 8:04:52 PM	68210			
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	ED			
Diesel Ra	ange Organics (DRO)	ND	15	mg/Kg	1	6/17/2022 12:28:29 AM	68149			
Motor Oil	Range Organics (MRO)	ND	49	mg/Kg	1	6/17/2022 12:28:29 AM	68149			
Surr: D	NOP	109	51.1-141	%Rec	1	6/17/2022 12:28:29 AM	68149			
EPA MET	HOD 8015D: GASOLINE RANG	E				Analyst	BRM			
Gasoline	Range Organics (GRO)	ND	4.8	mg/Kg	1	6/16/2022 11:55:00 PM	68140			
Surr: E	3FB	90.1	37.7-212	%Rec	1	6/16/2022 11:55:00 PM	68140			
EPA MET	HOD 8021B: VOLATILES					Analyst	BRM			
Benzene		ND	0.024	mg/Kg	1	6/16/2022 11:55:00 PM	68140			
Toluene		ND	0.048	mg/Kg	1	6/16/2022 11:55:00 PM	68140			
Ethylbenz	zene	ND	0.048	mg/Kg	1	6/16/2022 11:55:00 PM	68140			
Xylenes,	Total	ND	0.097	mg/Kg	1	6/16/2022 11:55:00 PM	68140			
Surr: 4	-Bromofluorobenzene	88.5	70-130	%Rec	1	6/16/2022 11:55:00 PM	68140			

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

**Qualifiers:** 

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

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2206710

Date Reported: 6/22/2022

CLIENT:	GHD Midland		Cl	ient Sample II	): Bł	H-15				
Project:	Raitt BID State 1	Collection Date: 6/13/2022 12:20:00 PM								
Lab ID:	2206710-010	Matrix: SOIL		Received Date	e: 6/1	14/2022 7:05:00 AM				
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA ME	THOD 300.0: ANIONS					Analyst	: LRN			
Chloride		ND	60	mg/Kg	20	6/17/2022 8:17:16 PM	68210			
EPA ME	THOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	ED			
Diesel R	ange Organics (DRO)	21	14	mg/Kg	1	6/17/2022 12:39:24 AM	68149			
Motor Oi	l Range Organics (MRO)	ND	46	mg/Kg	1	6/17/2022 12:39:24 AM	68149			
Surr: [	ONOP	113	51.1-141	%Rec	1	6/17/2022 12:39:24 AM	68149			
EPA ME	THOD 8015D: GASOLINE RANG	E				Analyst	BRM			
Gasoline	Range Organics (GRO)	ND	4.8	mg/Kg	1	6/17/2022 12:15:00 AM	68140			
Surr: E	3FB	90.5	37.7-212	%Rec	1	6/17/2022 12:15:00 AM	68140			
EPA ME	THOD 8021B: VOLATILES					Analyst	BRM			
Benzene		ND	0.024	mg/Kg	1	6/17/2022 12:15:00 AM	68140			
Toluene		ND	0.048	mg/Kg	1	6/17/2022 12:15:00 AM	68140			
Ethylben	zene	ND	0.048	mg/Kg	1	6/17/2022 12:15:00 AM	68140			
Xylenes,	Total	ND	0.096	mg/Kg	1	6/17/2022 12:15:00 AM	68140			
Surr: 4	1-Bromofluorobenzene	87.1	70-130	%Rec	1	6/17/2022 12:15:00 AM	68140			

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

**Qualifiers:** 

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

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2206710

Date Reported: 6/22/2022

CLIENT:	GHD Midland	Client Sample ID: BH-18								
Project:	Raitt BID State 1	Collection Date: 6/13/2022 12:30:00 PM								
Lab ID:	2206710-011	Matrix: SOIL		Received Date	<b>e: 6</b> /1	14/2022 7:05:00 AM				
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA MET	THOD 300.0: ANIONS					Analyst	: LRN			
Chloride		160	60	mg/Kg	20	6/17/2022 8:29:40 PM	68210			
EPA MET	THOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	ED			
Diesel Ra	ange Organics (DRO)	180	14	mg/Kg	1	6/17/2022 11:51:22 AM	68180			
Motor Oil	Range Organics (MRO)	79	45	mg/Kg	1	6/17/2022 11:51:22 AM	68180			
Surr: D	DNOP	83.3	51.1-141	%Rec	1	6/17/2022 11:51:22 AM	68180			
ΕΡΑ ΜΕΤ	THOD 8015D: GASOLINE RANG	E				Analyst	BRM			
Gasoline	Range Organics (GRO)	ND	5.0	mg/Kg	1	6/17/2022 2:14:00 AM	68153			
Surr: E	3FB	88.7	37.7-212	%Rec	1	6/17/2022 2:14:00 AM	68153			
ΕΡΑ ΜΕΤ	THOD 8021B: VOLATILES					Analyst	BRM			
Benzene		ND	0.025	mg/Kg	1	6/17/2022 2:14:00 AM	68153			
Toluene		ND	0.050	mg/Kg	1	6/17/2022 2:14:00 AM	68153			
Ethylbenz	zene	ND	0.050	mg/Kg	1	6/17/2022 2:14:00 AM	68153			
Xylenes,	Total	ND	0.099	mg/Kg	1	6/17/2022 2:14:00 AM	68153			
Surr: 4	l-Bromofluorobenzene	85.9	70-130	%Rec	1	6/17/2022 2:14:00 AM	68153			

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

**Qualifiers:** 

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

Lab Order 2206710

Date Reported: 6/22/2022

CLIENT:	GHD Midland	Client Sample ID: BH-19								
Project:	Raitt BID State 1	Collection Date: 6/13/2022 12:40:00 PM								
Lab ID:	2206710-012	Matrix: SOIL		Received Date	e: 6/1	14/2022 7:05:00 AM				
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA MET	THOD 300.0: ANIONS					Analyst	LRN			
Chloride		140	60	mg/Kg	20	6/17/2022 8:42:05 PM	68210			
EPA MET	THOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	ED			
Diesel Ra	ange Organics (DRO)	200	15	mg/Kg	1	6/17/2022 12:23:20 PM	68180			
Motor Oil	Range Organics (MRO)	120	49	mg/Kg	1	6/17/2022 12:23:20 PM	68180			
Surr: E	DNOP	101	51.1-141	%Rec	1	6/17/2022 12:23:20 PM	68180			
EPA MET	THOD 8015D: GASOLINE RANGE	E				Analyst	BRM			
Gasoline	Range Organics (GRO)	ND	5.0	mg/Kg	1	6/17/2022 3:13:00 AM	68153			
Surr: E	3FB	86.7	37.7-212	%Rec	1	6/17/2022 3:13:00 AM	68153			
EPA MET	THOD 8021B: VOLATILES					Analyst	BRM			
Benzene		ND	0.025	mg/Kg	1	6/17/2022 3:13:00 AM	68153			
Toluene		ND	0.050	mg/Kg	1	6/17/2022 3:13:00 AM	68153			
Ethylben	zene	ND	0.050	mg/Kg	1	6/17/2022 3:13:00 AM	68153			
Xylenes,	Total	ND	0.099	mg/Kg	1	6/17/2022 3:13:00 AM	68153			
Surr: 4	1-Bromofluorobenzene	85.9	70-130	%Rec	1	6/17/2022 3:13:00 AM	68153			

Refer to the QC Summary 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
- Analyte detected in the associated Method Blank В
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2206710

Date Reported: 6/22/2022

CLIENT:	GHD Midland		Cl	ient Sample II	): BF	H-20	
Project.	Raitt RID State 1			Collection Dat	•• 6/1	13/2022 12:50:00 PM	
		Madarian COII	,	Descional Det		13/2022 12.30.00 I MI	
Lab ID:	2206/10-013	Matrix: SOIL		Received Date	e: 6/ ]	14/2022 7:05:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA MET	HOD 300.0: ANIONS					Analyst	: LRN
Chloride		160	60	mg/Kg	20	6/17/2022 8:54:29 PM	68210
ΕΡΑ ΜΕΤ	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	ED
Diesel Ra	ange Organics (DRO)	150	14	mg/Kg	1	6/17/2022 12:34:00 PM	68180
Motor Oil	Range Organics (MRO)	78	46	mg/Kg	1	6/17/2022 12:34:00 PM	68180
Surr: D	NOP	101	51.1-141	%Rec	1	6/17/2022 12:34:00 PM	68180
EPA MET	HOD 8015D: GASOLINE RANGE	E				Analyst	BRM
Gasoline	Range Organics (GRO)	ND	4.9	mg/Kg	1	6/17/2022 4:12:00 AM	68153
Surr: E	3FB	85.7	37.7-212	%Rec	1	6/17/2022 4:12:00 AM	68153
ΕΡΑ ΜΕΤ	HOD 8021B: VOLATILES					Analyst	BRM
Benzene		ND	0.025	mg/Kg	1	6/17/2022 4:12:00 AM	68153
Toluene		ND	0.049	mg/Kg	1	6/17/2022 4:12:00 AM	68153
Ethylbenz	zene	ND	0.049	mg/Kg	1	6/17/2022 4:12:00 AM	68153
Xylenes,	Total	ND	0.099	mg/Kg	1	6/17/2022 4:12:00 AM	68153
Surr: 4	-Bromofluorobenzene	84.9	70-130	%Rec	1	6/17/2022 4:12:00 AM	68153

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

**Qualifiers:** 

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

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2206710

Date Reported: 6/22/2022

CLIENT:	GHD Midland		Cl	ient Sample II	): BF	H-23	
Project:	Raitt BID State 1		(	Collection Date	e: 6/1	13/2022 1:00:00 PM	
Lab ID:	2206710-014	Matrix: SOIL		Received Date	e: 6/1	14/2022 7:05:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA MET	HOD 300.0: ANIONS					Analyst	LRN
Chloride		460	60	mg/Kg	20	6/17/2022 9:06:53 PM	68210
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	ED
Diesel Ra	ange Organics (DRO)	110	15	mg/Kg	1	6/17/2022 12:44:42 PM	68180
Motor Oil	Range Organics (MRO)	53	48	mg/Kg	1	6/17/2022 12:44:42 PM	68180
Surr: D	NOP	85.7	51.1-141	%Rec	1	6/17/2022 12:44:42 PM	68180
EPA MET	HOD 8015D: GASOLINE RANGE	E				Analyst	BRM
Gasoline	Range Organics (GRO)	ND	4.9	mg/Kg	1	6/17/2022 4:32:00 AM	68153
Surr: B	3FB	87.0	37.7-212	%Rec	1	6/17/2022 4:32:00 AM	68153
EPA MET	HOD 8021B: VOLATILES					Analyst	BRM
Benzene		ND	0.025	mg/Kg	1	6/17/2022 4:32:00 AM	68153
Toluene		ND	0.049	mg/Kg	1	6/17/2022 4:32:00 AM	68153
Ethylbenz	zene	ND	0.049	mg/Kg	1	6/17/2022 4:32:00 AM	68153
Xylenes,	Total	ND	0.099	mg/Kg	1	6/17/2022 4:32:00 AM	68153
Surr: 4	-Bromofluorobenzene	84.4	70-130	%Rec	1	6/17/2022 4:32:00 AM	68153

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

**Qualifiers:** 

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

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2206710

Date Reported: 6/22/2022

CLIENT:	GHD Midland		Cli	ient Sample II	): Bł	H-24				
Project:	Raitt BID State 1	Collection Date: 6/13/2022 1:10:00 PM								
Lab ID:	2206710-015	Matrix: SOIL		Received Date	<b>e: 6</b> /1	14/2022 7:05:00 AM				
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA ME	THOD 300.0: ANIONS					Analyst	: LRN			
Chloride		190	60	mg/Kg	20	6/17/2022 9:19:18 PM	68210			
EPA ME	THOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	ED			
Diesel R	ange Organics (DRO)	ND	15	mg/Kg	1	6/17/2022 12:55:24 PM	68180			
Motor Oi	l Range Organics (MRO)	ND	49	mg/Kg	1	6/17/2022 12:55:24 PM	68180			
Surr: [	ONOP	91.9	51.1-141	%Rec	1	6/17/2022 12:55:24 PM	68180			
EPA ME	THOD 8015D: GASOLINE RANG	E				Analyst	BRM			
Gasoline	Range Organics (GRO)	ND	4.9	mg/Kg	1	6/17/2022 4:52:00 AM	68153			
Surr: E	3FB	90.7	37.7-212	%Rec	1	6/17/2022 4:52:00 AM	68153			
EPA ME	THOD 8021B: VOLATILES					Analyst	BRM			
Benzene		ND	0.024	mg/Kg	1	6/17/2022 4:52:00 AM	68153			
Toluene		ND	0.049	mg/Kg	1	6/17/2022 4:52:00 AM	68153			
Ethylben	zene	ND	0.049	mg/Kg	1	6/17/2022 4:52:00 AM	68153			
Xylenes,	Total	ND	0.097	mg/Kg	1	6/17/2022 4:52:00 AM	68153			
Surr: 4	1-Bromofluorobenzene	88.8	70-130	%Rec	1	6/17/2022 4:52:00 AM	68153			

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

**Qualifiers:** 

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

RL Reporting Limit

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2206710

Date Reported: 6/22/2022

<b>CLIENT:</b>	GHD Midland	Client Sample ID: BH-25							
Project:	Raitt BID State 1	Collection Date: 6/13/2022 1:20:00 PM							
Lab ID:	2206710-016	Matrix: SOIL         Received Date: 6/14/2022 7:05:00 AM							
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS						Analyst	: LRN		
Chloride		370	60	mg/Kg	20	6/17/2022 9:31:42 PM	68210		
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	ED		
Diesel Range Organics (DRO)		22	14	mg/Kg	1	6/17/2022 1:06:07 PM	68180		
Motor Oil Range Organics (MRO)		ND	46	mg/Kg	1	6/17/2022 1:06:07 PM	68180		
Surr: DNOP		103	51.1-141	%Rec	1	6/17/2022 1:06:07 PM	68180		
EPA METHOD 8015D: GASOLINE RANG		E				Analyst	BRM		
Gasoline Range Organics (GRO)		ND	5.0	mg/Kg	1	6/17/2022 5:12:00 AM	68153		
Surr: BFB		87.8	37.7-212	%Rec	1	6/17/2022 5:12:00 AM	68153		
EPA METHOD 8021B: VOLATILES						Analyst	BRM		
Benzene		ND	0.025	mg/Kg	1	6/17/2022 5:12:00 AM	68153		
Toluene		ND	0.050	mg/Kg	1	6/17/2022 5:12:00 AM	68153		
Ethylbenzene		ND	0.050	mg/Kg	1	6/17/2022 5:12:00 AM	68153		
Xylenes, Total		ND	0.10	mg/Kg	1	6/17/2022 5:12:00 AM	68153		
Surr: 4	-Bromofluorobenzene	87.7	70-130	%Rec	1	6/17/2022 5:12:00 AM	68153		

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

**Qualifiers:** 

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

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2206710

Date Reported: 6/22/2022

CLIENT:	<b>IENT:</b> GHD Midland <b>Client Sample ID:</b> BH-26								
Project:	Raitt BID State 1	Collection Date: 6/13/2022 1:30:00 PM							
Lab ID:	2206710-017	Matrix: SOIL         Received Date: 6/14/2022 7:05:00 AM							
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA MET	THOD 300.0: ANIONS					Analyst	: LRN		
Chloride		200	60	mg/Kg	20	6/17/2022 9:44:07 PM	68210		
EPA MET	THOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: <b>ED</b>			
Diesel Range Organics (DRO)		ND	13	mg/Kg	1	6/17/2022 1:16:49 PM	68180		
Motor Oil Range Organics (MRO)		ND	44	mg/Kg	1	6/17/2022 1:16:49 PM	68180		
Surr: DNOP		97.0	51.1-141	%Rec	1	6/17/2022 1:16:49 PM	68180		
EPA METHOD 8015D: GASOLINE RANG		E				Analyst	BRM		
Gasoline Range Organics (GRO)		ND	4.8	mg/Kg	1	6/17/2022 5:31:00 AM	68153		
Surr: E	3FB	86.8	37.7-212	%Rec	1	6/17/2022 5:31:00 AM	68153		
EPA METHOD 8021B: VOLATILES						Analyst	BRM		
Benzene		ND	0.024	mg/Kg	1	6/17/2022 5:31:00 AM	68153		
Toluene		ND	0.048	mg/Kg	1	6/17/2022 5:31:00 AM	68153		
Ethylbenzene		ND	0.048	mg/Kg	1	6/17/2022 5:31:00 AM	68153		
Xylenes, Total		ND	0.097	mg/Kg	1	6/17/2022 5:31:00 AM	68153		
Surr: 4	I-Bromofluorobenzene	86.7	70-130	%Rec	1	6/17/2022 5:31:00 AM	68153		

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

\* **Qualifiers:** 

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- Р Sample pH Not In Range
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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2206710

Date Reported: 6/22/2022

CLIENT:	GHD Midland		Cl	ient Sample II	): BF	H-8	
Project:	Raitt BID State 1		(	Collection Date	e: 6/1	13/2022 10:50:00 AM	
Lab ID:	2206710-018	Matrix: SOIL		Received Date	e: 6/1	14/2022 7:05:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA MET	HOD 300.0: ANIONS					Analyst	: LRN
Chloride		160	60	mg/Kg	20	6/17/2022 9:56:31 PM	68210
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	ED
Diesel Ra	ange Organics (DRO)	ND	14	mg/Kg	1	6/17/2022 1:27:30 PM	68180
Motor Oil	Range Organics (MRO)	ND	45	mg/Kg	1	6/17/2022 1:27:30 PM	68180
Surr: D	NOP	96.1	51.1-141	%Rec	1	6/17/2022 1:27:30 PM	68180
EPA MET	HOD 8015D: GASOLINE RANGE	E				Analyst	BRM
Gasoline	Range Organics (GRO)	ND	4.9	mg/Kg	1	6/17/2022 5:51:00 AM	68153
Surr: E	3FB	84.9	37.7-212	%Rec	1	6/17/2022 5:51:00 AM	68153
EPA MET	HOD 8021B: VOLATILES					Analyst	BRM
Benzene		ND	0.024	mg/Kg	1	6/17/2022 5:51:00 AM	68153
Toluene		ND	0.049	mg/Kg	1	6/17/2022 5:51:00 AM	68153
Ethylbenz	zene	ND	0.049	mg/Kg	1	6/17/2022 5:51:00 AM	68153
Xylenes,	Total	ND	0.098	mg/Kg	1	6/17/2022 5:51:00 AM	68153
Surr: 4	-Bromofluorobenzene	85.3	70-130	%Rec	1	6/17/2022 5:51:00 AM	68153

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

**Qualifiers:** 

- \* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
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WO#:	2206710
	22-Jun-22

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Client:	GHD Mie	dland									
Project:	Raitt BID	State 1									
Sample ID:	MB-68210	SampType: <b>mb</b>	olk	Tes	tCode: EP	A Method	300.0: Anions				
Client ID:	PBS	Batch ID: 682	210	F	RunNo: <b>88</b>	8864					
Prep Date:	6/17/2022	Analysis Date: 6/	17/2022	S	SeqNo: 31	55156	Units: mg/Kg	J			
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Chloride		ND 1.5									
Sample ID:	LCS-68210	SampType: Ics		TestCode: EPA Method 300.0: Anions							
Client ID:	LCSS	Batch ID: 682	210	RunNo: 88864							
Prep Date:	6/17/2022	Analysis Date: 6/	17/2022	5	SeqNo: 31	55157	Units: mg/Kg	J			
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Chloride		14 1.5	15.00	0	92.5	90	110				
Sample ID:	MB-68209	SampType: <b>mb</b>	olk	Tes	tCode: EP	A Method	300.0: Anions				
Client ID:	PBS	Batch ID: 682	209	F	RunNo: <b>88</b>	8887					
Prep Date:	6/17/2022	Analysis Date: 6/	20/2022	S	SeqNo: 31	56132	Units: mg/Kg	J			
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Chloride		ND 1.5									
Sample ID:	LCS-68209	SampType: Ics		Tes	tCode: EP	PA Method	300.0: Anions				
Client ID:	LCSS	Batch ID: 682	209	F	RunNo: <b>88</b>	8887					
Prep Date:	6/17/2022	Analysis Date: 6/	20/2022	S	SeqNo: 31	56133	Units: mg/Kg	J			
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Chloride		15 1.5	15.00	0	98.4	90	110				

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- RL Reporting Limit

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	WO#:	2206710
ntal Analysis Laboratory, Inc.		22-Jun-22

Client:	GHD Mi	dland										
Project:	Raitt BIL	State I										
Sample ID:	LCS-68149	Samp	Гуре: <b>LC</b>	s	Tes	tCode: EF	PA Method	8015M/D: Dies	el Range	Organics		
Client ID:	LCSS	Batc	h ID: 68	149	F	RunNo: <b>8</b>	8796					
Prep Date:	6/15/2022	Analysis [	Date: 6/	/16/2022	S	SeqNo: 3'	154161	Units: mg/Kg	)			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range ( Surr: DNOP	Organics (DRO)	52 4.9	15	50.00 5.000	0	103 97.6	64.4 51.1	127 141				
Sample ID:	MB-68149	Samp	Гуре: МІ	BLK	Tes	tCode: EF	PA Method	8015M/D: Dies	el Range	Organics		
Client ID:	PBS	Batc	h ID: 68	149	F	RunNo: 88796						
Prep Date:	6/15/2022	Analysis [	Date: <b>6</b> /	16/2022	S	SeqNo: 3'	154162	Units: mg/Kg	9			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range ( Motor Oil Rang Surr: DNOP	Drganics (DRO) je Organics (MRO)	ND ND 12	15 50	10.00		119	51.1	141				
Sample ID:	LCS-68138	SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics										
Client ID:	LCSS	Batc	h ID: 68	138	F	RunNo: 88796						
Prep Date:	6/15/2022	Analysis [	Date: 6/	17/2022	S	SeqNo: 3	154204	Units: %Rec				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: DNOP		5.9		5.000		119	51.1	141				
Sample ID:	MB-68138	Samp	Гуре: МІ	BLK	Tes	tCode: EF	PA Method	8015M/D: Dies	el Range	Organics		
Client ID:	PBS	Batc	h ID: 68	138	F	RunNo: <b>8</b> 8	8796					
Prep Date:	6/15/2022	Analysis [	Date: 6/	17/2022	S	SeqNo: 3'	154205	Units: %Rec				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: DNOP		9.3		10.00		93.4	51.1	141				
Sample ID:	LCS-68146	Samp	Гуре: <b>LC</b>	s	Tes	tCode: EF	PA Method	8015M/D: Dies	el Range	Organics		
Client ID:	LCSS	Batc	h ID: 68	146	F	RunNo: <b>8</b>	8796					
Prep Date:	6/15/2022	Analysis [	Date: 6/	17/2022	S	SeqNo: 3	154228	Units: %Rec				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: DNOP		5.8		5.000		117	51.1	141				
Sample ID:	MB-68146	Samp	Гуре: МІ	BLK	Tes	tCode: EF	PA Method	8015M/D: Dies	el Range	Organics		
Client ID:	PBS	Batc	h ID: 68	146	F	RunNo: <b>8</b>	8796					
Prep Date:	6/15/2022	Analysis [	Date: <b>6</b> /	17/2022	S	SeqNo: 3	154229	Units: %Rec				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: DNOP		9.1		10.00		90.7	51.1	141				

#### Qualifiers:

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	WO#:	2206710
nmental Analysis Laboratory, Inc.		22-Jun-22

Client: Project:	GHD Mid Raitt BID	land State 1										
Sample ID:	2206710-011AMS	SampT	ype: M	S	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics		
Client ID:	BH-18	Batch	ID: 68	180	F	RunNo: <b>88</b>	3796					
Prep Date:	6/16/2022	Analysis D	ate: <b>6</b> /	17/2022	\$	SeqNo: 31	154423	Units: mg/K	g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range ( Surr: DNOP	Organics (DRO)	260 4.6	14	47.26 4.726	179.6	169 96.7	36.1 51.1	154 141			S	
Sample ID:	2206710-011AMSD	SampT	ype: M	SD	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics		
Client ID:	BH-18	Batch	ID: 68	180	F	RunNo: <b>88</b>	3796					
Prep Date:	6/16/2022	Analysis D	ate: <b>6</b> /	17/2022	Ş	154424	Units: mg/K	g				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range (	Organics (DRO)	350	15	48.83	0	721	36.1	154	200	33.9	RS	
Surr: DNOP		6.2		4.883		127	51.1	141	0	0		
Sample ID:	LCS-68180	SampT	ype: LC	s	TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID:	LCSS	Batch	ID: 68	180	F	RunNo: <b>88</b>	3796					
Prep Date:	6/16/2022	Analysis D	ate: <b>6</b> /	17/2022	\$	SeqNo: 31	154438	Units: mg/K	g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range (	Organics (DRO)	54	15	50.00	0	109	64.4	127				
Surr: DNOP		4.6		5.000		92.3	51.1	141				
Sample ID:	MB-68180	SampT	ype: MI	BLK	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics		
Client ID:	PBS	Batch	ID: 68	180	RunNo: 88796							
Prep Date:	6/16/2022	Analysis D	ate: <b>6</b> /	17/2022	\$	SeqNo: 31	154439	Units: mg/K	g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range (	Organics (DRO)	ND	15									
Motor Oil Rang	ge Organics (MRO)	ND 77	50	10.00		77.0	51 1	111				
		1.1		10.00		11.0	51.1	141				
Sample ID:	LCS-68148	Samply	ype: <b>LC</b>	;S	les	StCode: EF	PA Method	8015M/D: Die	sel Range	Organics		
Client ID:	LCSS	Batch	ID: 68	148	ŀ	RunNo: 88	3796					
Prep Date:	6/15/2022	Analysis D	ate: 6/	17/2022		SeqNo: 31	154576	Units: %Rec				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: DNOP		4.5		5.000		89.5	51.1	141				
Sample ID:	MB-68148	SampT	ype: MI	BLK	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics		
Client ID:	PBS	Batch	ID: 68	148	F	RunNo: <b>88</b>	3796					
Prep Date:	6/15/2022	Analysis D	ate: <b>6</b> /	17/2022	\$	SeqNo: 31	154577	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

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2206710

22-Jun-22

QC SUMMARY REPORT	WO#:
Hall Environmental Analysis Laboratory, Inc.	

Client: Project:	GI Ra	HD Midland itt BID State 1									
Sample ID: N	SampT	IBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: P	ent ID: PBS Batch ID: 68148				RunNo: 88796						
Prep Date:	6/15/2022	Analysis D	ate: 6	6/17/2022	SeqNo: 3154577 Units: %Rec				;		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		12		10.00		117	51.1	141			

Qualifiers:

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2206710	WO#:	
22-Jun-22		

Client: Project:	GHD Mid Raitt BID	lland State 1									
Sample ID:	lcs-68140	SampT	ype: LC	s	Tes	stCode: EP	A Method	8015D: Gaso	line Range		
Client ID:	LCSS	Batch	ו ID: <b>681</b>	40	F	RunNo: <b>88</b>	813				
Prep Date:	6/15/2022	Analysis D	)ate: 6/1	16/2022	5	SeqNo: 31	53136	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang Surr: BFB	ge Organics (GRO)	23 2000	5.0	25.00 1000	0	90.2 196	72.3 37.7	137 212			
Sample ID:	mb-68140	SampT	уре: <b>МВ</b>	BLK	Tes	stCode: EP	A Method	8015D: Gaso	line Range		
Client ID:	PBS	Batch	ו ID: <b>681</b>	40	F	RunNo: <b>88</b>	813				
Prep Date:	6/15/2022	Analysis D	)ate: 6/1	16/2022	Ş	SeqNo: 31	53137	Units: <b>mg/K</b>	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang Surr: BFB	ge Organics (GRO)	ND 910	5.0	1000		90.5	37.7	212			
Sample ID:	lcs-68153	SampT	ype: LC	S	Tes	stCode: EP	A Method	8015D: Gaso	line Range		
Client ID:	LCSS	Batch	ו ID: <b>681</b>	53	F	RunNo: <b>88</b>	813				
Prep Date:	6/15/2022	Analysis E	)ate: 6/1	17/2022	Ś	SeqNo: 31	53160	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge Organics (GRO)	22	5.0	25.00	0	87.5	72.3	137			
Surr: BFB		1900		1000		188	37.7	212			
Sample ID:	mb-68153	SampT	уре: <b>МВ</b>	BLK	Tes	stCode: EP	A Method	8015D: Gaso	line Range		
Client ID:	PBS	Batch	ו ID: <b>681</b>	53	F	RunNo: <b>88</b>	813				
Prep Date:	6/15/2022	Analysis E	)ate: 6/*	17/2022	5	SeqNo: <b>31</b>	53161	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC		Llight insit	0/ DDD		Qual
Gasoline Rang	no Organico (CPO)					701110	LowLimit	FignLimit	%RPD	RPDLimit	Quai
	je Organics (GRO)	ND	5.0	1000		,01CEO	LowLimit		%RPD	RPDLimit	Quai
Surr: BFB	je organics (GRO)	ND 970	5.0	1000		96.7	LowLimit 37.7	212	%RPD	RPDLimit	QUUI
Surr: BFB Sample ID:	2206710-011ams	ND 970 SampT	5.0 `ype: <b>MS</b>	1000	Tes	96.7 stCode: EP	37.7 A Method	212 8015D: Gaso	%RPD	RPDLimit	Quu
Surr: BFB Sample ID: Client ID:	2206710-011ams BH-18	ND 970 SampT Batch	5.0 <sup>•</sup> ype: <b>MS</b> 1 ID: <b>681</b>	1000 5 1 <b>53</b>	Tes F	96.7 stCode: EF	27.7 27 Method 2813	212 8015D: Gaso	%RPD	RPDLimit	QUEI
Surr: BFB Sample ID: Client ID: Prep Date:	2206710-011ams BH-18 6/15/2022	ND 970 SampT Batch Analysis D	5.0 'ype: <b>MS</b> 1 ID: <b>681</b> Pate: <b>6/</b> 1	1000 5 153 17/2022	Tes F	96.7 stCode: EF RunNo: 88 SeqNo: 31	237.7 24 Method 8813 53163	212 8015D: Gaso Units: mg/K	%RPD	RPDLimit	
Surr: BFB Sample ID: Client ID: Prep Date: Analyte	2206710-011ams BH-18 6/15/2022	ND 970 SampT Batch Analysis D Result	5.0 ype: MS 1D: 681 ate: 6/* PQL	1000 53 17/2022 SPK value	Tes F SPK Ref Val	96.7 stCode: EF RunNo: 88 SeqNo: 31 %REC	37.7 24 Method 1813 53163 LowLimit	212 8015D: Gaso Units: mg/K HighLimit	%RPD	RPDLimit	Qual
Surr: BFB Sample ID: Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB	2206710-011ams BH-18 6/15/2022	ND 970 SampT Batch Analysis D Result 24 1900	5.0 i ype: <b>MS</b> n ID: <b>681</b> Date: <b>6/</b> * PQL 4.9	1000 5 153 17/2022 SPK value 24.49 979.4	Tes F SPK Ref Val 0	96.7 96.7 RunNo: 88 SeqNo: 31 %REC 96.7 198	237.7 24 Method 8813 53163 LowLimit 70 37.7	Units: mg/K HighLimit 130 212	%RPD	RPDLimit	Qual
Surr: BFB Sample ID: Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID:	2206710-011ams BH-18 6/15/2022 ge Organics (GRO) 2206710-011amsd	ND 970 SampT Batch Analysis D Result 24 1900 SampT	5.0 ype: MS 1 ID: 681 1 ID: 681 2 ID: 681 1 ID: 68	1000 53 17/2022 SPK value 24.49 979.4	Tes F SPK Ref Val 0 Tes	96.7 stCode: EF RunNo: 88 SeqNo: 31 %REC 96.7 198 stCode: EF	237.7 24 Method 2813 53163 LowLimit 70 37.7 24 Method	212 8015D: Gaso Units: mg/K HighLimit 130 212 8015D: Gaso	%RPD line Range %RPD line Range	RPDLimit	Qual
Surr: BFB Sample ID: Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID: Client ID:	2206710-011ams BH-18 6/15/2022 ge Organics (GRO) 2206710-011amsd BH-18	ND 970 SampT Batch Analysis D Result 24 1900 SampT Batch	5.0 ype: MS 1 ID: 681 bate: 6/ PQL 4.9 ype: MS 1 ID: 681	1000 53 17/2022 SPK value 24.49 979.4 5D	Tes F SPK Ref Val 0 Tes F	96.7 96.7 RunNo: 88 SeqNo: 31 %REC 96.7 198 stCode: EP RunNo: 88	237.7 24 Method 8813 53163 LowLimit 70 37.7 24 Method 8813	HighLimit           212           8015D: Gaso           Units:         mg/K           HighLimit           130           212           8015D: Gaso	%RPD line Range %RPD line Range	RPDLimit	Qual
Surr: BFB Sample ID: Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID: Client ID: Prep Date:	2206710-011ams BH-18 6/15/2022 ge Organics (GRO) 2206710-011amsd BH-18 6/15/2022	ND 970 SampT Batch Analysis D Result 24 1900 SampT Batch Analysis D	5.0 ype: MS 1 ID: 681 PQL 4.9 ype: MS 1 ID: 681 1 ID: 681 1 ID: 681	1000 5 153 17/2022 SPK value 24.49 979.4 5D 153 17/2022	Tes F SPK Ref Val 0 Tes F	96.7 stCode: EF RunNo: 88 SeqNo: 31 %REC 96.7 198 stCode: EF RunNo: 88 SeqNo: 31	237.7 24 Method 8813 53163 LowLimit 70 37.7 24 Method 8813 53164	212 8015D: Gaso Units: mg/K HighLimit 130 212 8015D: Gaso Units: mg/K	iine Range g %RPD line Range	RPDLimit	Qual

Qualifiers:

\* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 23 of 26

Client: Project:	GHD Mid Raitt BID	land State 1										
Sample ID:	2206710-011amsd	SampTy	De: MS	SD	TestCode: EPA Method 8015D: Gasoline Range							
Client ID:	BH-18	Batch I	D: 68	153	RunNo: 88813							
Prep Date:	6/15/2022	Analysis Dat	te: 6/	17/2022	S	Units: mg/Kg	J					
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Rang	e Organics (GRO)	21	4.9	24.53	0	86.4	70	130	11.0	20		
Surr: BFB		1900		981.4		190	37.7	212	0	0		
Sample ID:	lcs-68110	SampTy	be: LC	s	Tes	tCode: EF	PA Method	8015D: Gasoli	ne Range	•		
Client ID:	LCSS	Batch I	D: 68	110	RunNo: 88814							
Prep Date:	6/14/2022	Analysis Dat	te: 6/	16/2022	S	SeqNo: 31	153275	Units: %Rec				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: BFB		2200		1000		217	37.7	212			S	
Sample ID:	mb-68110	SampTy	De: ME	BLK	Tes	tCode: EF	PA Method	8015D: Gasoli	ne Range	•		
Client ID:	PBS	Batch I	D: 68	110	F	RunNo: <b>88</b>	3814					
Prep Date:	6/14/2022	Analysis Dat	te: 6/	16/2022	5	SeqNo: 31	153276	Units: %Rec				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: BFB		990		1000		99.2	37.7	212				

Qualifiers:

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

Page 24 of 26

2206710

22-Jun-22

WO#:	2206710
	22-Jun-22

Client:	GHD	Midland									
Project:	Raitt 1	BID State 1									
Sample ID:	lcs-68140	SampT	Type: LC	S	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID:	LCSS	Batcl	h ID: 68	140	F	RunNo: <b>88</b>	3813				
Prep Date:	6/15/2022	Analysis E	Date: 6/	16/2022	S	SeqNo: 31	153182	Units: <b>mg/K</b>	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.90	0.025	1.000	0	89.8	80	120			
Toluene		0.91	0.050	1.000	0	91.1	80	120			
Ethylbenzene		0.91	0.050	1.000	0	90.6	80	120			
Xylenes, Total		2.7	0.10	3.000	0	90.4	80	120			
Surr: 4-Bron	nofluorobenzene	0.91		1.000		91.2	70	130			
Sample ID:	mb-68140	SampT	Type: ME	BLK	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID:	PBS	Batcl	h ID: 68	140	F	RunNo: <b>88</b>	3813				
Prep Date:	6/15/2022	Analysis D	Date: <b>6/</b>	16/2022	5	SeqNo: 31	153183	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		ND	0.025								
Toluene		ND	0.050								
Ethylbenzene		ND	0.050								
Xylenes, Total		ND	0.10								
Surr: 4-Bron	nofluorobenzene	0.90		1.000		90.1	70	130			
Sample ID:	lcs-68153	SampT	Type: LC	S	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID:	LCSS	Batcl	h ID: 68′	153	F	RunNo: <b>88</b>	3813				
Prep Date:	6/15/2022	Analysis E	Date: <b>6/</b>	17/2022	S	SeqNo: 31	53206	Units: <b>mg/K</b>	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.86	0.025	1.000	0	86.2	80	120			
Toluene		0.88	0.050	1.000	0	87.7	80	120			
Ethylbenzene		0.87	0.050	1.000	0	87.4	80	120			
Xylenes, Total		2.6	0.10	3.000	0	86.3	80	120			
Surr: 4-Bron	nofluorobenzene	0.92		1.000		91.7	70	130			
Sample ID:	mb-68153	SampT	Гуре: МЕ	BLK	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID:	PBS	Batcl	h ID: 68′	153	F	RunNo: <b>88</b>	3813				
Prep Date:	6/15/2022	Analysis E	Date: <b>6/</b>	17/2022	5	SeqNo: 31	53207	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		ND	0.025								
Toluene		ND	0.050								
Ethylbenzene		ND	0.050								
Xylenes, Total		ND	0.10								
Surr: 4-Bron	nofluorobenzene	0.90		1.000		90.4	70	130			

#### **Qualifiers:**

\* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

J Analyte detected below quantitation limits

Р Sample pH Not In Range

Reporting Limit RL

GHD Midland

Raitt BID State 1

**Client:** 

**Project:** 

Client ID:

Prep Date:

Analyte

Benzene

Toluene

Ethylbenzene

Xylenes, Total

Sample ID: 2206710-012ams

BH-19

Surr: 4-Bromofluorobenzene

6/15/2022

### **QC SUMMARY REPORT** Hall Environmental Analysis Laboratory, Inc.

0.85

SampType: MS

0.9862

Batch	n ID: 681	53	F	RunNo: <b>88</b>	3813				
Analysis D	ate: 6/1	17/2022	S	SeqNo: 31	153210	Units: <b>mg/K</b>	g		
Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
0.87	0.025	0.9862	0	88.6	68.8	120			
0.89	0.049	0.9862	0	90.5	73.6	124			
0.88	0.049	0.9862	0	88.9	72.7	129			
2.6	0.099	2.959	0	88.8	75.7	126			

130

70

TestCode: EPA Method 8021B: Volatiles

86.5

Sample ID: 2206710-012amsd	SampT	Гуре: <b>МS</b>	D	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: BH-19	Batcl	h ID: 681	53	F	RunNo: <b>88</b>	8813				
Prep Date: 6/15/2022	Analysis D	Date: <b>6/</b> *	17/2022	S	SeqNo: 31	153211	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.83	0.025	0.9891	0	84.1	68.8	120	4.91	20	
Toluene	0.85	0.049	0.9891	0	86.4	73.6	124	4.35	20	
Ethylbenzene	0.84	0.049	0.9891	0	84.6	72.7	129	4.57	20	
Xylenes, Total	2.5	0.099	2.967	0	84.1	75.7	126	5.17	20	
Surr: 4-Bromofluorobenzene	0.87		0.9891		88.2	70	130	0	0	
Sample ID: LCS-68110	SampT	Гуре: <b>LC</b>	s	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: LCSS	Batcl	h ID: 681	10	F	RunNo: <b>88</b>	8814				
Prep Date: 6/14/2022	Analysis E	Date: <b>6/</b> *	16/2022	5	SeqNo: 31	153313	Units: %Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.95		1.000		94.8	70	130			
Sample ID: mb-68110	SampT	Гуре: МЕ	BLK	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: PBS	Data		10	F	RunNo <sup>.</sup> 88	3814				
	Batci	11D. 681	10	•						
Prep Date: 6/14/2022	Batci Analysis E	Date: 6/	16/2022	5	SeqNo: 31	153314	Units: %Rec			
Prep Date: <b>6/14/2022</b> Analyte	Batci Analysis E Result	Date: <b>6/</b> PQL	16/2022 SPK value	SPK Ref Val	SeqNo: 31 %REC	153314 LowLimit	Units: <b>%Rec</b> HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

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

RL Reporting Limit

ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmental Albu TEL: 505-345-3975 Website: www.ha	Analy 49( iquero FAX: Ilenvi	vsis Labora 91 Hawkins que, NM 87 505-345-4 ronmental.	tory s NE 7109 1107 com	San	nple Log-In Check List
Client Name: GHD Midland V	Vork Order Number:	220	6710			RcptNo: 1
Received By: Juan Rojas 6/14	4/2022 7:05:00 AM			Guar	ag)	
Completed By: Tracy Casarrubias 6/14	4/2022 9:11:35 AM					
Reviewed By: KNG 6.14.2	2					
Chain of Custody						
1. Is Chain of Custody complete?		Yes		No		Not Present
2. How was the sample delivered?		Cou	rier			
Log In 3. Was an attempt made to cool the samples?		Yes		No		NA. 🗌
<ol> <li>Were all samples received at a temperature of &gt;0</li> </ol>	° C to 6.0°C	Yes		No		
5. Sample(s) in proper container(s)?		Yes		No		
5. Sufficient sample volume for indicated test(s)?		Yes		No		
7. Are samples (except VOA and ONG) properly pres	erved?	Yes		No		
3. Was preservative added to bottles?		Yes		No		NA 🗌
. Received at least 1 vial with headspace <1/4" for A	Q VOA?	Yes		No		
0. Were any sample containers received broken?		Yes		No		# of preserved
1. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes		No		for pH:
2. Are matrices correctly identified on Chain of Custor	dy?	Yes	~	No		Adjusted?
3. Is it clear what analyses were requested?		Yes		No		
<ol> <li>Were all holding times able to be met? (If no, notify customer for authorization.)</li> </ol>		Yes		No		Checked by: JA 6/14/22
pecial Handling (if applicable)						
5. Was client notified of all discrepancies with this or	der?	Yes		No		NA 🗹
Person Notified:	Date:				-	
By Whom:	Via:	] eMa	ail 🗌 Ph	one 🗌	Fax	In Person
Regarding:						
O. Additional remarks:						
7. <u>Cooler Information</u> Cooler No Temp °C Condition Seal Inte	act Seal No Se	eal Da	ate S	Signed E	Зу	
1 0.9 Good Not Prese	ent					

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Page 1 of 1

Client: GHD         Zigmidad         Zensi, $\sum Dov_{\mathcal{K}}$ All Levis internation           Malling Address.         Project Name:         Revenues in the internation         Analysis Rounds           2135 Loop 250 W. Midland, TX 79703         Project Name:         Revenues in the internation         Analysis Rounds           2135 Loop 250 W. Midland, TX 79703         Project Name:         Revenues in the internation         Analysis Rounds           2135 Loop 250 W. Midland, TX 79703         Project Name:         Revenues in the internation         Analysis Rounds           2135 Loop 250 W. Midland, TX 79703         Project Name:         Revenues in the internation         Analysis Rounds           2135 Loop 250 W. Midland, TX 79703         Device Hastel@ond.com         Revenues in the internation         Analysis Rounds           Analysis Rounds         Device Hastel@ond.com         Revenues in the internation         Analysis Rounds           Analysis Rounds         Device Hastel@ond.com         Revenues in the internation         Analysis Rounds           Analysis Rounds         Device Hastel@ond.com         Revenues in the internation         Analysis Rounds           Analysis Rounds         Device Hastel@ond.com         Revenues in the internation         Analysis Rounds           Analysis Rounds         Device Hastel@ond.com         Revect As in the internatinternation <t< th=""><th>Client: GHD</th><th></th><th></th><th></th><th></th><th></th><th></th><th>AL</th><th></th><th>VIRO</th><th></th><th>e</th></t<>	Client: GHD							AL		VIRO		e
Malling Address.         Project Name.         Project Name.         Monthlink NE - Albuqueture. Mit Brownia Network Stress Network Network Stress Network Stress Network Stress Network Stress Network Network Stress Network Network Stress Network			Z Standard	L-Rush	2 Day			A M A	LON		NODATOO!	ived
Mailing Address. $[Z_{\alpha}, :\mathcal{H} \ \mathcal{E}_{\alpha}, \mathcal{H} \$			Project Nam	ini	2					5	DORALORI	by (
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Phone #.         433 665-006         12 575 0.74           Phone #.         433 665-006         Project Manager:         Analysis Request           Ownor Perkage:         Device Manager:         Project Manager:         Project Manager:           Ownor Perkage:         Device Manager:         Project Manager:         Project Manager:           Ownor Perkage:         Device Manager:         Project Manager:         Project Manager:           Accorrectitation:         Date         Time         Project Manager:         Project Manager:           Accorrectitation:         Date         Matrix Sample         Sample:         Project Project ORO           Date         Time         Matrix Sample         Name         Soft Project ORO         Soft Project ORO           Date         Time         Matrix Sample         Date         Time         Project Project ORO         Soft Project ORO           Date         Time         Matrix Sample         Date         Time         Project Project ORO         Project ORO           Date         Time         Matrix Sample         Sample:         Project ORO         Project ORO           Date         Time         Matrix Sample         Sample:         Project ORO         Project ORO           Date         Time	2135 S. Loop 250 W.	Midland, TX 79703	Project #:			¥ -	el. 505-3	45-3975	Fax	505-34	5-4107	7/29
email of Faste: a Mode Parketelling         Project Manager: Accorditation:         Project M	Phone #: (432)	686-0086	:1521	5074					Analysi	s Reques	st	/202
OACC Package:         Decky Haskell         Becky Haskell         Becky Haskell         Becky Haskell           □ Standard         □ Level 4 (Full Validation)         Tom Larson         Sampler: Heath Boyd         (902)           ○ Standard         □ Accomptiance         Sampler: Heath Boyd         (902)         (902)           □ EDD (Type)         = Nampler: Heath Boyd         (902)         (902)         (902)           □ EDD (Type)         = Nampler: Heath Boyd         (902)         (902)         (902)           □ EDD (Type)         = Nampler: Heath Boyd         (902)         (902)         (902)           □ EDD (Type)         = Nample Name         (902)         (702)         (703)         (703)           □ EDD (Type)         = SU-1         (702)         (702)         (703)         (703)         (703)           □ 1070         = SU-1         (702)         (703)         (703)         (703)         (703)         (703)           □ 1020         = SU-1         (703)         (703)         (703)         (703)         (703)           □ 1020         = SU-1         (703)         (703)         (703)         (703)         (703)           □ 1020         = SU-1         (702)         (703)         (703)	email or Fax#: Beck	/.Haskell@ghd.com	Project Mana	iger:		()			*O			29
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	QA/QC Package:		Becky Haske	Ŧ		208 7M	s,8;	SW	S '*(			:36:
Accreditation: $\square A \mathbb{Z}$ Compliance         Sampler:         Heath Bloyd $\square NELAC$ $\square Other$ $\square NELAC$ $\square Other$ $\square NELAC$ $\square Other$ $\square NELAC$ $\square Other$ $\square NELAC$ $\square NELAC$ $\square Other$ $\square NECAC         \square NECAC         $	Standard	Level 4 (Full Validation)	Tom Larson			/ 02	ЪС	1150	ЪС	_		571
□ NELAC         □ Other         On lee:         X res         No.           □ EDD (Type)         # of Coolers:         1.7.0.2.0.7         P Preservative         HEAL         Container         Preservative         HEAL         Preservative         HEAL         Preservative         Preservative         Preservative         Preservative         HEAL NO         Preservative	Accreditation:	Compliance	Sampler:	Heath Boyd		AMT AG \	280 (1.	228	10 <sup>s</sup>			4 <i>M</i>
□ EDD (Type) □	D NELAC D OI	her	On Ice:	X Yes	D No	02	8/s	s ol	۷ ''	(AC		
Date     Time     Matrix     Sample Name     Cooler Temposance: $(1,2,0,2,0,3,0)$ $(2,0,2,0,3,0)$ $(2,0,2,0,3,0)$ $9/37_{c}$ [b]: $5$ $5$ $5$ $-1$ $1$ $7$ $pe and #$ $7$ $pe ande and #$ $7$ $pe and #$ $7$ $pe$	EDD (Type)		# of Coolers:			(GE BE	əbi: bo	018 Slefe	<sup>2</sup> 01			
Date         Time         Matrix         Sample Name         Container         Preservative         HEALNO         X         Sig         Contribution         X         Sig         Contribution         X         Sig         Contribution         X         Sig         X			Cooler Temp	(including CF):	0.2020.9	TM DBI	oitee	58 Y	۲, ۱ AO	ime 905 (		
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Date:     Time:     Relinquished by:     Received by:     Via:     Date     Time     Remarks:     Please email:     Amber_Griffin@eogresou       b/ls/hz     173 to     A     A     A     A     A     A     A       b/ls/hz     173 to     A     A     A     A     A     A     A     A       b/ls/hz     173 to     A     A     A     A     A     A     A       b/ls/hz     173 to     A     A     A     A     A     A     A       b/ls/hz     173 to     A     A     A     A     A     A       b/ls/hz     173 to     A     A     A     A     A	x 0/221 x	BH-19	x	×	210	22				2		
Date Time: Relinquished by: Zach.Comino@ghd.com; Date Time Heath Boyd@ghd.com Along with Becky Haskell lie	oate: Time: Relinqu	ished by:	Received by:	Via:	Date Time	မှု မှု	marks: F ase_Set	lease el tle@eog	nail: Am	ber_Griff es.com;	in@eogresources.co Tom.Larson@ghd.cor	÷ ;-
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email c	or Fax#:	Becky.F	Haskell@ghd.com	Project Mana	ager:		(	((			*0				1	-	
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	6		omined to rial curvioninental may be sur	ocontracted to other ac	credited laboratorie	es. This serves as notice of thi	s possibili	y. Any si	ub-contra	icted dat	a will be	clearly r	notated	in the analytical	report.		20 05 1
																	I



June 22, 2022

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

RE: Raitt BID State 1

OrderNo.: 2206784

Hall Environmental Analysis Laboratory

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

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

Dear Becky Haskell:

Hall Environmental Analysis Laboratory received 8 sample(s) on 6/15/2022 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

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2206784

Date Reported: 6/22/2022

CLIENT:	GHD Midland		Cli	ient Sample II	): SV	V-3	
Project:	Raitt BID State 1		(	Collection Date	e: 6/1	14/2022 10:50:00 AM	
Lab ID:	2206784-001	Matrix: SOIL		Received Date	e: 6/1	15/2022 7:00:00 AM	
Analyses	1	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA ME	THOD 300.0: ANIONS					Analys	: LRN
Chloride		160	60	mg/Kg	20	6/20/2022 8:34:45 PM	68240
EPA ME	THOD 8015M/D: DIESEL RANG	E ORGANICS				Analys	: ED
Diesel R	ange Organics (DRO)	ND	14	mg/Kg	1	6/20/2022 12:40:16 PM	68194
Motor Oi	I Range Organics (MRO)	ND	48	mg/Kg	1	6/20/2022 12:40:16 PM	68194
Surr: [	ONOP	73.8	51.1-141	%Rec	1	6/20/2022 12:40:16 PM	68194
EPA ME	THOD 8015D: GASOLINE RANG	<b>GE</b>				Analys	BRM
Gasoline	Range Organics (GRO)	ND	4.9	mg/Kg	1	6/17/2022 3:18:00 PM	68178
Surr: E	3FB	92.5	37.7-212	%Rec	1	6/17/2022 3:18:00 PM	68178
EPA ME	THOD 8021B: VOLATILES					Analys	BRM
Benzene		ND	0.025	mg/Kg	1	6/17/2022 3:18:00 PM	68178
Toluene		ND	0.049	mg/Kg	1	6/17/2022 3:18:00 PM	68178
Ethylben	zene	ND	0.049	mg/Kg	1	6/17/2022 3:18:00 PM	68178
Xylenes,	Total	ND	0.098	mg/Kg	1	6/17/2022 3:18:00 PM	68178
Surr: 4	4-Bromofluorobenzene	89.6	70-130	%Rec	1	6/17/2022 3:18:00 PM	68178

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

\* **Qualifiers:** 

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

Page 1 of 12

### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2206784

Date Reported: 6/22/2022

CLIENT:	GHD Midland		Cl	ient Sample II	): Bł	H-2	
Project:	Raitt BID State 1		(	Collection Date	e: 6/1	14/2022 11:00:00 AM	
Lab ID:	2206784-002	Matrix: SOIL		<b>Received Date</b>	e: 6/	15/2022 7:00:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA MET	THOD 300.0: ANIONS					Analyst	: LRN
Chloride		78	60	mg/Kg	20	6/20/2022 8:47:10 PM	68240
EPA MET	THOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst	ED
Diesel Ra	ange Organics (DRO)	ND	14	mg/Kg	1	6/20/2022 12:51:00 PM	68194
Motor Oil	l Range Organics (MRO)	ND	46	mg/Kg	1	6/20/2022 12:51:00 PM	68194
Surr: E	DNOP	82.9	51.1-141	%Rec	1	6/20/2022 12:51:00 PM	68194
ΕΡΑ ΜΕΊ	THOD 8015D: GASOLINE RANG	E				Analyst	BRM
Gasoline	Range Organics (GRO)	ND	4.9	mg/Kg	1	6/17/2022 3:38:00 PM	68178
Surr: E	3FB	90.8	37.7-212	%Rec	1	6/17/2022 3:38:00 PM	68178
ΕΡΑ ΜΕΊ	THOD 8021B: VOLATILES					Analyst	BRM
Benzene		ND	0.025	mg/Kg	1	6/17/2022 3:38:00 PM	68178
Toluene		ND	0.049	mg/Kg	1	6/17/2022 3:38:00 PM	68178
Ethylben	zene	ND	0.049	mg/Kg	1	6/17/2022 3:38:00 PM	68178
Xylenes,	Total	ND	0.099	mg/Kg	1	6/17/2022 3:38:00 PM	68178
Surr: 4	1-Bromofluorobenzene	88.9	70-130	%Rec	1	6/17/2022 3:38:00 PM	68178

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

\* **Qualifiers:** 

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

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2206784

Date Reported: 6/22/2022

CLIENT:	GHD Midland		Cl	ient Sample II	): BI	H-3	
Project:	Raitt BID State 1		(	Collection Dat	e: 6/1	14/2022 11:10:00 AM	
Lab ID:	2206784-003	Matrix: SOIL		Received Date	e: 6/	15/2022 7:00:00 AM	
Analyses	i i i i i i i i i i i i i i i i i i i	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA ME	THOD 300.0: ANIONS					Analyst	: LRN
Chloride		ND	61	mg/Kg	20	6/20/2022 8:59:34 PM	68240
EPA ME	THOD 8015M/D: DIESEL RANG	GE ORGANICS				Analyst	ED
Diesel R	ange Organics (DRO)	ND	15	mg/Kg	1	6/20/2022 1:01:44 PM	68194
Motor Oi	l Range Organics (MRO)	ND	49	mg/Kg	1	6/20/2022 1:01:44 PM	68194
Surr: [	DNOP	109	51.1-141	%Rec	1	6/20/2022 1:01:44 PM	68194
EPA ME	THOD 8015D: GASOLINE RAN	IGE				Analyst	BRM
Gasoline	Range Organics (GRO)	ND	4.8	mg/Kg	1	6/17/2022 3:58:00 PM	68178
Surr: E	3FB	89.2	37.7-212	%Rec	1	6/17/2022 3:58:00 PM	68178
EPA ME	THOD 8021B: VOLATILES					Analyst	BRM
Benzene		ND	0.024	mg/Kg	1	6/17/2022 3:58:00 PM	68178
Toluene		ND	0.048	mg/Kg	1	6/17/2022 3:58:00 PM	68178
Ethylben	zene	ND	0.048	mg/Kg	1	6/17/2022 3:58:00 PM	68178
Xylenes,	Total	ND	0.096	mg/Kg	1	6/17/2022 3:58:00 PM	68178
Surr: 4	1-Bromofluorobenzene	86.8	70-130	%Rec	1	6/17/2022 3:58:00 PM	68178

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

**Qualifiers:** 

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

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2206784

Date Reported: 6/22/2022

CLIENT:	GHD Midland		Cli	ient Sample II	): BF	H-11	
Project:	Raitt BID State 1		(	Collection Dat	e: 6/1	14/2022 11:20:00 AM	
Lab ID:	2206784-004	Matrix: SOIL		Received Date	e: 6/1	15/2022 7:00:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA MET	THOD 300.0: ANIONS					Analyst	: LRN
Chloride		ND	60	mg/Kg	20	6/20/2022 9:11:59 PM	68240
EPA MET	THOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	ED
Diesel Ra	ange Organics (DRO)	ND	15	mg/Kg	1	6/20/2022 1:12:31 PM	68194
Motor Oil	Range Organics (MRO)	ND	49	mg/Kg	1	6/20/2022 1:12:31 PM	68194
Surr: D	DNOP	82.4	51.1-141	%Rec	1	6/20/2022 1:12:31 PM	68194
EPA MET	THOD 8015D: GASOLINE RANG	E				Analyst	BRM
Gasoline	Range Organics (GRO)	ND	4.8	mg/Kg	1	6/17/2022 4:18:00 PM	68178
Surr: E	3FB	89.3	37.7-212	%Rec	1	6/17/2022 4:18:00 PM	68178
EPA MET	THOD 8021B: VOLATILES					Analyst	BRM
Benzene		ND	0.024	mg/Kg	1	6/17/2022 4:18:00 PM	68178
Toluene		ND	0.048	mg/Kg	1	6/17/2022 4:18:00 PM	68178
Ethylbenz	zene	ND	0.048	mg/Kg	1	6/17/2022 4:18:00 PM	68178
Xylenes,	Total	ND	0.096	mg/Kg	1	6/17/2022 4:18:00 PM	68178
Surr: 4	I-Bromofluorobenzene	89.1	70-130	%Rec	1	6/17/2022 4:18:00 PM	68178

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

\* **Qualifiers:** 

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

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2206784

Date Reported: 6/22/2022

CLIENT:	GHD Midland		Cli	ient Sample II	): BF	H-16	
Project:	Raitt BID State 1		(	Collection Dat	e: 6/1	14/2022 11:30:00 AM	
Lab ID:	2206784-005	Matrix: SOIL		Received Date	e: 6/1	15/2022 7:00:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA MET	HOD 300.0: ANIONS					Analyst	: LRN
Chloride		ND	60	mg/Kg	20	6/20/2022 9:24:24 PM	68240
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	ED
Diesel Ra	ange Organics (DRO)	ND	15	mg/Kg	1	6/20/2022 1:23:17 PM	68194
Motor Oil	Range Organics (MRO)	ND	50	mg/Kg	1	6/20/2022 1:23:17 PM	68194
Surr: D	NOP	72.5	51.1-141	%Rec	1	6/20/2022 1:23:17 PM	68194
ΕΡΑ ΜΕΤ	HOD 8015D: GASOLINE RANGE	E				Analyst	BRM
Gasoline	Range Organics (GRO)	ND	4.8	mg/Kg	1	6/17/2022 4:38:00 PM	68178
Surr: E	3FB	85.9	37.7-212	%Rec	1	6/17/2022 4:38:00 PM	68178
ΕΡΑ ΜΕΤ	HOD 8021B: VOLATILES					Analyst	BRM
Benzene		ND	0.024	mg/Kg	1	6/17/2022 4:38:00 PM	68178
Toluene		ND	0.048	mg/Kg	1	6/17/2022 4:38:00 PM	68178
Ethylbenz	zene	ND	0.048	mg/Kg	1	6/17/2022 4:38:00 PM	68178
Xylenes,	Total	ND	0.097	mg/Kg	1	6/17/2022 4:38:00 PM	68178
Surr: 4	-Bromofluorobenzene	85.8	70-130	%Rec	1	6/17/2022 4:38:00 PM	68178

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

\* **Qualifiers:** 

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

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2206784

Date Reported: 6/22/2022

CLIENT:	GHD Midland	Client Sample ID: BH-17									
Project:	Raitt BID State 1		(	Collection Date	e: 6/1	14/2022 11:40:00 AM					
Lab ID:	2206784-006	Matrix: SOIL	Matrix: SOIL         Received Date: 6/15/2022 7:00:0								
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch				
EPA ME	THOD 300.0: ANIONS					Analys	t: LRN				
Chloride		ND	60	mg/Kg	20	6/20/2022 9:36:49 PM	68240				
EPA ME	THOD 8015M/D: DIESEL RA	NGE ORGANICS				Analys	t: <b>ED</b>				
Diesel R	ange Organics (DRO)	ND	15	mg/Kg	1	6/20/2022 1:34:03 PM	68194				
Motor Oi	l Range Organics (MRO)	ND	49	mg/Kg	1	6/20/2022 1:34:03 PM	68194				
Surr: [	DNOP	102	51.1-141	%Rec	1	6/20/2022 1:34:03 PM	68194				
EPA ME	THOD 8015D: GASOLINE R	ANGE				Analys	t: BRM				
Gasoline	Range Organics (GRO)	ND	4.6	mg/Kg	1	6/17/2022 5:18:00 PM	68178				
Surr: E	3FB	87.7	37.7-212	%Rec	1	6/17/2022 5:18:00 PM	68178				
EPA ME	THOD 8021B: VOLATILES					Analys	t: BRM				
Benzene		ND	0.023	mg/Kg	1	6/17/2022 5:18:00 PM	68178				
Toluene		ND	0.046	mg/Kg	1	6/17/2022 5:18:00 PM	68178				
Ethylben	zene	ND	0.046	mg/Kg	1	6/17/2022 5:18:00 PM	68178				
Xylenes,	Total	ND	0.092	mg/Kg	1	6/17/2022 5:18:00 PM	68178				
Surr: 4	1-Bromofluorobenzene	84.7	70-130	%Rec	1	6/17/2022 5:18:00 PM	68178				

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

\* **Qualifiers:** 

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

Page 6 of 12

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2206784

Date Reported: 6/22/2022

-											
<b>CLIENT:</b>	GHD Midland	Client Sample ID: BH-21									
Project:	Raitt BID State 1		(	Collection Date	e: 6/1	14/2022 11:50:00 AM					
Lab ID:	2206784-007	Matrix: SOIL         Received Date: 6/15/2022 7:00:00 AM									
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch				
EPA MET	THOD 300.0: ANIONS					Analyst	LRN				
Chloride		61	60	mg/Kg	20	6/20/2022 9:49:13 PM	68240				
ΕΡΑ ΜΕΤ	THOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	ED				
Diesel Ra	ange Organics (DRO)	ND	15	mg/Kg	1	6/20/2022 1:44:51 PM	68194				
Motor Oil	Range Organics (MRO)	ND	48	mg/Kg	1	6/20/2022 1:44:51 PM	68194				
Surr: D	DNOP	101	51.1-141	%Rec	1	6/20/2022 1:44:51 PM	68194				
ΕΡΑ ΜΕΤ	THOD 8015D: GASOLINE RANGI	E				Analyst	BRM				
Gasoline	Range Organics (GRO)	ND	4.8	mg/Kg	1	6/17/2022 5:37:00 PM	68178				
Surr: E	3FB	85.9	37.7-212	%Rec	1	6/17/2022 5:37:00 PM	68178				
ΕΡΑ ΜΕΤ	THOD 8021B: VOLATILES					Analyst	BRM				
Benzene		ND	0.024	mg/Kg	1	6/17/2022 5:37:00 PM	68178				
Toluene		ND	0.048	mg/Kg	1	6/17/2022 5:37:00 PM	68178				
Ethylbenz	zene	ND	0.048	mg/Kg	1	6/17/2022 5:37:00 PM	68178				
Xylenes,	Total	ND	0.097	mg/Kg	1	6/17/2022 5:37:00 PM	68178				
Surr: 4	I-Bromofluorobenzene	85.0	70-130	%Rec	1	6/17/2022 5:37:00 PM	68178				

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

\* **Qualifiers:** 

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

Page 7 of 12

### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2206784

Date Reported: 6/22/2022

CLIENT:	GHD Midland	Client Sample ID: BH-22									
Project:	Raitt BID State 1		(	Collection Date	e: 6/1	14/2022 12:00:00 PM					
Lab ID:	2206784-008	Matrix: SOIL         Received Date: 6/15/2022 7:00:00 Al									
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch				
	THOD 300.0: ANIONS					Analyst	: LRN				
Chloride		69	59	mg/Kg	20	6/20/2022 10:26:28 PM	68240				
EPA ME	THOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	ED				
Diesel Ra	ange Organics (DRO)	ND	15	mg/Kg	1	6/20/2022 1:55:38 PM	68194				
Motor Oil	l Range Organics (MRO)	ND	50	mg/Kg	1	6/20/2022 1:55:38 PM	68194				
Surr: [	DNOP	80.9	51.1-141	%Rec	1	6/20/2022 1:55:38 PM	68194				
EPA ME	THOD 8015D: GASOLINE RANG	E				Analyst	BRM				
Gasoline	Range Organics (GRO)	ND	4.8	mg/Kg	1	6/17/2022 5:57:00 PM	68178				
Surr: E	3FB	83.6	37.7-212	%Rec	1	6/17/2022 5:57:00 PM	68178				
EPA ME	THOD 8021B: VOLATILES					Analyst	BRM				
Benzene		ND	0.024	mg/Kg	1	6/17/2022 5:57:00 PM	68178				
Toluene		ND	0.048	mg/Kg	1	6/17/2022 5:57:00 PM	68178				
Ethylben	zene	ND	0.048	mg/Kg	1	6/17/2022 5:57:00 PM	68178				
Xylenes,	Total	ND	0.097	mg/Kg	1	6/17/2022 5:57:00 PM	68178				
Surr: 4	1-Bromofluorobenzene	85.0	70-130	%Rec	1	6/17/2022 5:57:00 PM	68178				

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

\* **Qualifiers:** 

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

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Client: Project:	GHD I Raitt I	Midland BID State 1							
Sample ID:	MB-68240	SampType: <b>n</b>	ıblk	Tes	tCode: EPA Meth	od 300.0: Anions	6		
Client ID:	PBS	Batch ID: 6	8240	F	RunNo: <b>88887</b>				
Prep Date:	6/20/2022	Analysis Date:	6/20/2022	5	SeqNo: 3156162	Units: <b>mg/K</b>	g		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC LowLin	mit HighLimit	%RPD	RPDLimit	Qual
Chloride		ND 1.5	5						
Sample ID:	LCS-68240	SampType: Io	s	Tes	tCode: EPA Meth	od 300.0: Anions	6		
Client ID:	LCSS	Batch ID: 6	8240	F	RunNo: <b>88887</b>				
Prep Date:	6/20/2022	Analysis Date:	6/20/2022	5	SeqNo: 3156163	Units: <b>mg/K</b>	g		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC LowLii	mit HighLimit	%RPD	RPDLimit	Qual
Chloride		15 1.5	5 15.00	0	97.3	90 110			

Qualifiers:

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

2206784

22-Jun-22

Client: Project:	GHD Midland Raitt BID State 1										
Sample ID: LCS-68	194 Samp	Type: LC	s	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics		٦
Client ID: LCSS	Batc	h ID: 681	94	F	RunNo: <b>88</b>	3879					
Prep Date: 6/17/20	Analysis l	Date: 6/2	20/2022	5	SeqNo: 31	155751	Units: <b>mg/K</b>	g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (D	RO) 49	15	50.00	0	97.6	64.4	127				
Surr: DNOP	4.2		5.000		84.3	51.1	141				
Sample ID: MB-681	94 Samp	Туре: <b>МЕ</b>	BLK	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics		٦
Client ID: PBS	Batc	h ID: 681	94	F	RunNo: <b>88</b>	3879					
Prep Date: 6/17/20	Analysis I	Date: 6/2	20/2022	Ś	SeqNo: 31	155753	Units: <b>mg/K</b>	g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (D	RO) ND	15									_
Motor Oil Range Organics	(MRO) ND	50									
Surr: DNOP	8.5		10.00		84.7	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

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2206784

22-Jun-22

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Client: Project:	GHD Mi Raitt BII	idland D State 1									
Sample ID: Ics	-68178	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8015D: Gaso	line Range		
Client ID: LC	SS	Batcl	n ID: 68	178	F	RunNo: <b>88</b>	3850				
Prep Date: 6/	/16/2022	Analysis E	Date: <b>6/</b>	17/2022	S	SeqNo: 31	154731	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Org	ganics (GRO)	22	5.0	25.00	0	87.7	72.3	137			
Surr: BFB		1900		1000		194	37.7	212			
Sample ID: mb	o-68178	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8015D: Gaso	line Range		
Client ID: PB	S	Batcl	n ID: 68	178	F	RunNo: <b>88</b>	3850				
Prep Date: 6/	/16/2022	Analysis [	Date: <b>6/</b>	17/2022	5	SeqNo: 31	154732	Units: <b>mg/K</b>	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Org	ganics (GRO)	ND	5.0								
Surr: BFB		910		1000		91.2	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

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2206784

22-Jun-22

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GHD Midland

Raitt BID State 1

**Client:** 

**Project:** 

Client ID:

Prep Date:

Analyte

Benzene

I

Sample ID: Ics-68178

LCSS

6/16/2022

### **QC SUMMARY REPORT** Hall Environmental Analysis Laboratory, Inc.

Result

0.92

SampType: LCS

Batch ID: 68178

Analysis Date: 6/17/2022

PQL

0.025

SPK value

1.000

Acicuscu io Imuging. 7/40/4044 1.30.30 I M
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Toluene	0.94	0.050	1.000	0	94.3	80	120			
Ethylbenzene	0.94	0.050	1.000	0	94.4	80	120			
Xylenes, Total	2.8	0.10	3.000	0	93.9	80	120			
Surr: 4-Bromofluorobenzene	0.91		1.000		90.8	70	130			
Sample ID: mb-68178	Samp	Гуре: МВ	BLK	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: PBS	Batc	h ID: 681	178	F	RunNo: <b>88</b>	3850				
Prep Date: 6/16/2022	Analysis [	Date: <b>6/</b> 1	17/2022	5	SeqNo: 31	154784	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.89		1.000		88.5	70	130			

SPK Ref Val

0

TestCode: EPA Method 8021B: Volatiles

LowLimit

80

Units: mg/Kg

120

%RPD

RPDLimit

HighLimit

RunNo: 88850

%REC

91.9

SeqNo: 3154783

Qualifiers:

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

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WO#: 2206784

Qual

22-Jun-22

ENVIRONMENTAL ANALYSIS LABORATORY	TEL: 505-345- Website: ww	4901 Hawk Albuquerque, NM 3975 FAX: 505-34, ww.hallenvironment	ins NE 87109 <b>San</b> 5-4107 al.com	nple Log-In Cheo	ck List
Client Name: GHD Midland	Work Order Nur	nber: 2206784		RcptNo: 1	
Received By: Juan Rojas	6/15/2022 7:00:00	AM	Guan Eng		
Completed By: Sean Livingston	6/15/2022 8:31:05	AM	< 1		
Reviewed By: Jn 6/15/22			)- <i>U</i> /	Jat	
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 samp	es?	Yes V	No 🗌		
4. Were all samples received at a tempera	ure of >0° C to 6.0°C	Yes 🔽	No 🗌		
5. Sample(s) in proper container(s)?		Yes 🗹	No 🗌		
6. Sufficient sample volume for indicated te	st(s)?	Yes 🗹	No 🗌		
7. Are samples (except VOA and ONG) pro	perly 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 🔽	
0. Were any sample containers received be	oken?	Yes 🗆	No 🔽	# of preserved	/
1. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 🗹	No 🗌	for pH:	nless noted)
2. Are matrices correctly identified on Chair	of Custody?	Yes 🗹	No 🗌	Adjusted?	
3. Is it clear what analyses were requested?		Yes 🔽	No 🗌	/	
4. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes 🗹	No 🗆 🕇	Checked by: KP(	1 6.15
pecial Handling (if applicable)					
15. Was client notified of all discrepancies w	ith this order?	Yes 🗌	No 🗌	NA 🔽	
Person Notified:	Date	e: [			
By Whom:	Via:	🗌 eMail 🗌	Phone 🗌 Fax	In Person	
Regarding: Client Instructions:					
16. Additional remarks:					
7. Cooler Information					
Cooler No         Temp °C         Condition           1         0.3         Good	Seal Intact Seal No	Seal Date	Signed By		

Page 1 of 1

Client: Mailing	GHD Address	-of-Cu	ustody Record	Turn-Around Z Standard Project Nam R	Turn-Around Time: Z Standard Project Name: R : H R ID 6 0					ŀ		LL AL	EI YS	NIV SIS	<b>FI</b> men	ROI AB	NMI OR		TAL OR'	Y
2135 S	. Loop 2	50 W. Mic	lland, TX 79703	Project #:				49 Te	01 H el. 50	lawk 05-34	ins M 15-3	NE - 975	Alt	ouqu Fax	erqu 505	ie, NM -345-4	8710 107	9		
Phone	#:	(432) 68	6-0086	ILSB	014							A	naly	/sis	Req	uest			and the	
email c QA/QC	or Fax#: Package: ndard	Becky.H	askell@ghd.com	Project Mana Becky Haske Tom Larson	ager: ell		s (8021)	O / MRO)	PCB's		SIMS		PO4, SO4							No P
Accred	itation: AC (Type)	□ Az Co □ Other	mpliance	Sampler: On Ice: # of Coolers:	Heath Boyd X Yes	□ No	TBE / TMB	D(GRO / DR	icides/8082	10d 504.1)	310 or 8270	letals	NO <sub>3</sub> , NO <sub>2</sub> ,	(†	(AOA)	M 00				
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL NO. 2206 744	BTEX / M	TPH:80151	8081 Pest	EDB (Meth	PAHs by 8	RCRA 8 N	CI, F, Br,	8260 (VO/	8270 (Serr	Chloride 3(				
6/14/22	1050	5	SW-3	400. Jar /.	-	201	X	×					-			X	1			
	1100	1	BH-2	1	1	002	×	x					1			x				
	1110		BH-3			003	X	X								x			1 - 1	
	1120	1.1	BH-11			004	9	×								×	1			
	1130		34-16			کرن	X	×								×				
	1140		BH-17			නය	Y	¥								X	1			
	1150	1 -	BH. 21			500	Y	X								×				
×	1200	×	BH-22	×	Ý	058	P	6								×				
											-	-								
Date: 6/14/22 Date:	Time:	Relinquishe	ed by:	Received by:	Via:	Date Time		Rei Ch Hea	mark ase_ th.Bo	s: Pl Settl	ease le@e	e em eogr Zac	ail: / esou ch.Co n Ald	Amb urces omin	er_C s.cor no@	Griffin@ m; Ton ghd.cc Becky	Deogra n.Lars om; Hask	esour on@g	ces.co ghd.co ed abo	m, n; ove.

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.



July 13, 2022

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

RE: Raitt BID State 1

OrderNo.: 2206G31

Hall Environmental Analysis Laboratory

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

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 6 sample(s) on 6/30/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2206G31

Date Reported: 7/13/2022

CLIENT:	GHD Midland	Client Sample ID: BH-9A										
Project:	Raitt BID State 1	Collection Date: 6/29/2022 10:20:00 AM										
Lab ID:	2206G31-001	Matrix: SOIL	30/2022 7:30:00 AM									
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch					
EPA ME	THOD 300.0: ANIONS					Analys	t: NAI					
Chloride		ND	60	mg/Kg	20	7/7/2022 4:09:52 PM	68613					
EPA ME	THOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	t: <b>ED</b>					
Diesel R	ange Organics (DRO)	ND	15	mg/Kg	1	7/7/2022 5:51:22 AM	68552					
Motor Oi	I Range Organics (MRO)	ND	49	mg/Kg	1	7/7/2022 5:51:22 AM	68552					
Surr: [	DNOP	100	51.1-141	%Rec	1	7/7/2022 5:51:22 AM	68552					
EPA ME	THOD 8015D: GASOLINE RANGE	E				Analys	t: NSB					
Gasoline	Range Organics (GRO)	ND	4.9	mg/Kg	1	7/2/2022 8:46:19 AM	68479					
Surr: E	3FB	91.4	37.7-212	%Rec	1	7/2/2022 8:46:19 AM	68479					
EPA ME	THOD 8021B: VOLATILES					Analys	t: NSB					
Benzene		ND	0.024	mg/Kg	1	7/2/2022 8:46:19 AM	68479					
Toluene		ND	0.049	mg/Kg	1	7/2/2022 8:46:19 AM	68479					
Ethylben	zene	ND	0.049	mg/Kg	1	7/2/2022 8:46:19 AM	68479					
Xylenes,	Total	ND	0.098	mg/Kg	1	7/2/2022 8:46:19 AM	68479					
Surr: 4	1-Bromofluorobenzene	85.8	70-130	%Rec	1	7/2/2022 8:46:19 AM	68479					

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

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

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

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2206G31

Date Reported: 7/13/2022

CLIENT:	GHD Midland	Client Sample ID: BH-10A									
Project:	Raitt BID State 1		(	Collection Date	e: 6/2	29/2022 10:30:00 AM					
Lab ID:	2206G31-002	Matrix: SOIL         Received Date: 6/30/2022 7:30:00 AM									
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch				
EPA MET	THOD 300.0: ANIONS					Analys	: NAI				
Chloride		ND	59	mg/Kg	20	7/7/2022 4:47:05 PM	68613				
ΕΡΑ ΜΕΤ	THOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	: ED				
Diesel Ra	ange Organics (DRO)	ND	15	mg/Kg	1	7/7/2022 6:15:12 AM	68552				
Motor Oil	Range Organics (MRO)	ND	50	mg/Kg	1	7/7/2022 6:15:12 AM	68552				
Surr: D	DNOP	112	51.1-141	%Rec	1	7/7/2022 6:15:12 AM	68552				
ЕРА МЕТ	THOD 8015D: GASOLINE RANGE	Ξ				Analys	: NSB				
Gasoline	Range Organics (GRO)	ND	4.6	mg/Kg	1	7/2/2022 9:33:13 AM	68479				
Surr: E	3FB	94.0	37.7-212	%Rec	1	7/2/2022 9:33:13 AM	68479				
ΕΡΑ ΜΕΤ	THOD 8021B: VOLATILES					Analys	: NSB				
Benzene		ND	0.023	mg/Kg	1	7/2/2022 9:33:13 AM	68479				
Toluene		ND	0.046	mg/Kg	1	7/2/2022 9:33:13 AM	68479				
Ethylbenz	zene	ND	0.046	mg/Kg	1	7/2/2022 9:33:13 AM	68479				
Xylenes,	Total	ND	0.092	mg/Kg	1	7/2/2022 9:33:13 AM	68479				
Surr 4	l-Bromofluorobenzene	87 1	70-130	%Rec	1	7/2/2022 9·33·13 AM	68479				

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

\* **Qualifiers:** 

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

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Lab Order 2206G31

Date Reported: 7/13/2022

CLIENT:	GHD Midland		Cli	ient Sample II	): BF	H-18A	
Project:	Raitt BID State 1		(	Collection Date	e: 6/2	29/2022 10:55:00 AM	
Lab ID:	2206G31-003	Matrix: SOIL		Received Date	e: 6/3	30/2022 7:30:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA MET	THOD 300.0: ANIONS					Analys	: NAI
Chloride		ND	60	mg/Kg	20	7/7/2022 4:59:30 PM	68613
ΕΡΑ ΜΕΤ	HOD 8015M/D: DIESEL RANG	E ORGANICS				Analys	: ED
Diesel Ra	ange Organics (DRO)	ND	14	mg/Kg	1	7/7/2022 5:47:45 PM	68552
Motor Oil	Range Organics (MRO)	ND	48	mg/Kg	1	7/7/2022 5:47:45 PM	68552
Surr: D	DNOP	130	51.1-141	%Rec	1	7/7/2022 5:47:45 PM	68552
ΕΡΑ ΜΕΤ	THOD 8015D: GASOLINE RANG	θE				Analys	: NSB
Gasoline	Range Organics (GRO)	ND	4.6	mg/Kg	1	7/2/2022 9:56:42 AM	68479
Surr: E	3FB	97.6	37.7-212	%Rec	1	7/2/2022 9:56:42 AM	68479
ΕΡΑ ΜΕΤ	THOD 8021B: VOLATILES					Analys	: NSB
Benzene		ND	0.023	mg/Kg	1	7/2/2022 9:56:42 AM	68479
Toluene		ND	0.046	mg/Kg	1	7/2/2022 9:56:42 AM	68479
Ethylbenz	zene	ND	0.046	mg/Kg	1	7/2/2022 9:56:42 AM	68479
Xylenes,	Total	ND	0.092	mg/Kg	1	7/2/2022 9:56:42 AM	68479
Surr: 4	l-Bromofluorobenzene	88.6	70-130	%Rec	1	7/2/2022 9:56:42 AM	68479

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

**Qualifiers:** 

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

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2206G31

Date Reported: 7/13/2022

CLIENT:	GHD Midland		Cli	ent Sample II	): BF	H-19A	
Project:	Raitt BID State 1		C	Collection Date	e: 6/2	29/2022 11:10:00 AM	
Lab ID:	2206G31-004	Matrix: SOIL		Received Date	e: 6/3	30/2022 7:30:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA MET	THOD 300.0: ANIONS					Analys	t: NAI
Chloride		ND	59	mg/Kg	20	7/7/2022 5:11:55 PM	68613
EPA ME	THOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	t: <b>ED</b>
Diesel Ra	ange Organics (DRO)	ND	14	mg/Kg	1	7/7/2022 6:11:50 PM	68552
Motor Oil	l Range Organics (MRO)	ND	47	mg/Kg	1	7/7/2022 6:11:50 PM	68552
Surr: [	DNOP	129	51.1-141	%Rec	1	7/7/2022 6:11:50 PM	68552
EPA ME	THOD 8015D: GASOLINE RANG	E				Analys	t: NSB
Gasoline	Range Organics (GRO)	ND	4.8	mg/Kg	1	7/2/2022 10:20:08 AM	68479
Surr: E	3FB	96.1	37.7-212	%Rec	1	7/2/2022 10:20:08 AM	68479
EPA ME	THOD 8021B: VOLATILES					Analys	t: NSB
Benzene		ND	0.024	mg/Kg	1	7/2/2022 10:20:08 AM	68479
Toluene		ND	0.048	mg/Kg	1	7/2/2022 10:20:08 AM	68479
Ethylben	zene	ND	0.048	mg/Kg	1	7/2/2022 10:20:08 AM	68479
Xylenes,	Total	ND	0.096	mg/Kg	1	7/2/2022 10:20:08 AM	68479
Surr: 4	1-Bromofluorobenzene	85.9	70-130	%Rec	1	7/2/2022 10:20:08 AM	68479

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

**Qualifiers:** 

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

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Hall	<b>Environmental</b>	Analysis	Laboratory,	Inc.
		•/	•/ /	

Lab Order 2206G31

Date Reported: 7/13/2022

CLIENT:	GHD Midland		Cli	ient Sample II	): BF	H-20A	
Project:	Raitt BID State 1		(	Collection Date	e: 6/2	29/2022 11:20:00 AM	
Lab ID:	2206G31-005	Matrix: SOIL		Received Date	e: 6/3	30/2022 7:30:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA MET	HOD 300.0: ANIONS					Analyst	: NAI
Chloride		ND	60	mg/Kg	20	7/7/2022 5:24:19 PM	68613
ΕΡΑ ΜΕΤ	HOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst	: SB
Diesel Ra	ange Organics (DRO)	ND	15	mg/Kg	1	7/7/2022 12:48:24 AM	68556
Motor Oil	Range Organics (MRO)	ND	50	mg/Kg	1	7/7/2022 12:48:24 AM	68556
Surr: D	DNOP	100	51.1-141	%Rec	1	7/7/2022 12:48:24 AM	68556
EPA MET	HOD 8015D: GASOLINE RANG	E				Analyst	: NSB
Gasoline	Range Organics (GRO)	ND	4.8	mg/Kg	1	7/5/2022 8:58:41 AM	68509
Surr: E	3FB	92.6	37.7-212	%Rec	1	7/5/2022 8:58:41 AM	68509
ΕΡΑ ΜΕΤ	HOD 8021B: VOLATILES					Analyst	: NSB
Benzene		ND	0.024	mg/Kg	1	7/5/2022 8:58:41 AM	68509
Toluene		ND	0.048	mg/Kg	1	7/5/2022 8:58:41 AM	68509
Ethylbenz	zene	ND	0.048	mg/Kg	1	7/5/2022 8:58:41 AM	68509
Xylenes,	Total	ND	0.097	mg/Kg	1	7/5/2022 8:58:41 AM	68509
Surr: 4	-Bromofluorobenzene	95.9	70-130	%Rec	1	7/5/2022 8:58:41 AM	68509

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

**Qualifiers:** 

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

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2206G31

Date Reported: 7/13/2022

CLIENT:	GHD Midland		Cli	ient Sample II	D: BF	H-23A	
Project:	Raitt BID State 1		(	Collection Dat	e: 6/2	29/2022 11:40:00 AM	
Lab ID:	2206G31-006	Matrix: SOIL		<b>Received Dat</b>	<b>e:</b> 6/3	30/2022 7:30:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA ME	THOD 300.0: ANIONS					Analys	t: NAI
Chloride		310	60	mg/Kg	20	7/7/2022 5:36:44 PM	68613
EPA ME	THOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	t: <b>SB</b>
Diesel R	ange Organics (DRO)	ND	14	mg/Kg	1	7/7/2022 1:02:13 AM	68556
Motor Oi	l Range Organics (MRO)	ND	48	mg/Kg	1	7/7/2022 1:02:13 AM	68556
Surr: [	DNOP	119	51.1-141	%Rec	1	7/7/2022 1:02:13 AM	68556
EPA ME	THOD 8015D: GASOLINE RANG	E				Analys	t: NSB
Gasoline	Range Organics (GRO)	ND	4.9	mg/Kg	1	7/5/2022 10:09:09 AM	68509
Surr: E	3FB	90.9	37.7-212	%Rec	1	7/5/2022 10:09:09 AM	68509
EPA ME	THOD 8021B: VOLATILES					Analys	t: NSB
Benzene		ND	0.025	mg/Kg	1	7/5/2022 10:09:09 AM	68509
Toluene		ND	0.049	mg/Kg	1	7/5/2022 10:09:09 AM	68509
Ethylben	zene	ND	0.049	mg/Kg	1	7/5/2022 10:09:09 AM	68509
Xylenes,	Total	ND	0.098	mg/Kg	1	7/5/2022 10:09:09 AM	68509
Surr: 4	1-Bromofluorobenzene	95.4	70-130	%Rec	1	7/5/2022 10:09:09 AM	68509

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

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

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

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Client: Project:	GHD Raitt I	Midland 3ID State 1								
Sample ID:	MB-68613	SampType: <b>mb</b>	lk	Tes	tCode: EP	A Method	300.0: Anions	6		
Client ID:	PBS	Batch ID: 686	513	F	RunNo: <b>89</b>	322				
Prep Date:	7/7/2022	Analysis Date: 7/7	7/2022	5	SeqNo: <b>31</b>	76743	Units: mg/K	g		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND 1.5								
Sample ID:	LCS-68613	SampType: Ics		Tes	tCode: EP	A Method	300.0: Anions	5		
Client ID:	LCSS	Batch ID: 686	513	F	RunNo: <b>89</b>	322				
Prep Date:	7/7/2022	Analysis Date: 7/7	7/2022	S	SeqNo: 31	76744	Units: <b>mg/K</b>	g		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14 1.5	15.00	0	92.1	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

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2206G31

13-Jul-22

# **OC SUMMARY REPORT** H

	WO#:	2206G31
Iall Environmental Analysis Laboratory, Inc.		13-Jul-22

Client: Project:	GHD Mid Raitt BID	land State 1									
Sample ID:	MB-68552	SampT	уре: МЕ	BLK	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID:	PBS	Batch	n ID: 68	552	F	RunNo: <b>89</b>	9260				
Prep Date:	7/5/2022	Analysis D	Date: 7/	6/2022	5	SeqNo: 31	174994	Units: <b>mg/K</b>	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Or	ganics (DRO)	ND	15								
Motor Oil Range	Organics (MRO)	ND	50								
Surr: DNOP		9.1		10.00		90.9	51.1	141			
Sample ID: I	_CS-68552	SampT	ype: LC	s	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID:	LCSS	Batch	n ID: 68	552	F	RunNo: <b>89</b>	9260				
Prep Date:	7/5/2022	Analysis D	)ate: 7/	6/2022	S	SeqNo: <b>3</b> 1	74995	Units: <b>mg/K</b>	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Or	ganics (DRO)	56	15	50.00	0	111	64.4	127			
Surr: DNOP		4.5		5.000		89.5	51.1	141			
Sample ID:	nple ID: MB-68556 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics										
Client ID:	PBS	Batch ID: 68556 RunNo: 89263									
Prep Date:	7/5/2022	Analysis D	Date: 7/	6/2022	Ş	SeqNo: 31	175951	Units: <b>mg/K</b>	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Or	ganics (DRO)	ND	15								
Motor Oil Range	Organics (MRO)	ND	50								
Surr: DNOP		11		10.00		111	51.1	141			
Sample ID: I	_CS-68556	SampT	ype: LC	s	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID:	LCSS	Batch	n ID: 68	556	F	RunNo: <b>89</b>	9263				
Prep Date:	7/5/2022	Analysis D	)ate: 7/	6/2022	S	SeqNo: 31	175952	Units: <b>mg/K</b>	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Or	ganics (DRO)	47	15	50.00	0	93.1	64.4	127			
Surr: DNOP		5.7		5.000		115	51.1	141			
Sample ID: 2	2206G31-005AMS	SampT	ype: MS	;	Tes	tCode: EF	A Method	8015M/D: Die	sel Range	Organics	
Client ID:	3H-20A	Batch	n ID: 68	556	F	RunNo: <b>89</b>	9263				
Prep Date:	7/5/2022	Analysis D	Date: 7/	7/2022	S	SeqNo: <b>3</b> 1	76004	Units: <b>mg/K</b>	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Or	ganics (DRO)	45	15	49.70	0	90.2	36.1	154			
Surr: DNOP		4.8		4.970		96.2	51.1	141			

#### **Qualifiers:**

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

RL Reporting Limit
2206G31

13-Jul-22

# QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client:	GHD Mid	land									
Project:	Raitt BID	State 1									
Sample ID:	2206G31-005AMSD	SampT	ype: MS	D	Tes	tCode: EF	A Method	8015M/D: Die	sel Range	Organics	
Client ID:	BH-20A Batch ID: 68556			F	RunNo: <b>8</b> 9	263					
Prep Date:	7/5/2022	Analysis D	ate: 7/	7/2022	5	SeqNo: 31	76005	Units: <b>mg/K</b>	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range	Organics (DRO)	51	14	47.30	0	107	36.1	154	12.2	33.9	
Surr: DNOP		5.6		4.730		119	51.1	141	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

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Released to Imaging: 9/20/2022 1:36:36 PM

## **QC SUMMARY REPORT** Hall Env

	WO#:	2206G31
ironmental Analysis Laboratory, Inc.		13-Jul-22

Client: Project:	GHD Mid Raitt BID	lland State 1										
Sample ID:	mb-68479	SampT	ype: ME	BLK	Tes	stCode: EF	A Method	8015D: Gaso	line Range			
Client ID:	PBS	Batch	n ID: 684	479	F	RunNo: <b>8</b> 9	9209					
Prep Date:	6/30/2022	Analysis D	ate: 7/	2/2022	S	SeqNo: 3171027 Units: mg/Kg						
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Rang Surr: BFB	ge Organics (GRO)	ND 930	5.0	1000		93.0	37.7	212				
Sample ID:	lcs-68479	SampT	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID:	LCSS	Batch	Batch ID: 68479			RunNo: <b>8</b> 9	9209					
Prep Date:	6/30/2022	Analysis D	ate: 7/	1/2022	\$	SeqNo: 31	171028	Units: <b>mg/K</b>	(g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Rang	ge Organics (GRO)	26	5.0	25.00	0	104	72.3	137				
Surr: BFB		2100		1000		206	37.7	212				
Sample ID:	mb-68509	SampT	ype: ME	BLK	TestCode: EPA Method 8015D: Gasoline Range							
Client ID:	PBS	Batch	Batch ID: 68509			RunNo: <b>8</b> 9	9234					
Prep Date:	7/1/2022	Analysis D	ate: 7/	5/2022	Ş	SeqNo: 31	172218	Units: <b>mg/K</b>	(g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Rang Surr: BFB	ge Organics (GRO)	ND 920	5.0	1000		92.1	37.7	212				
Sample ID:	lcs-68509	SampT	ype: LC	s	Tes	stCode: EF	PA Method	8015D: Gaso	line Range			
Client ID:	LCSS	Batch	n ID: 68	509	RunNo: 89234							
Prep Date:	7/1/2022	Analysis D	ate: 7/	5/2022	\$	SeqNo: 31	172219	Units: <b>mg/K</b>	(g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Rang	ge Organics (GRO)	28	5.0	25.00	0	111	72.3	137				
Surr: BFB		2100		1000		212	37.7	212				
Sample ID:	2206g31-005ams	SampT	ype: MS	3	Tes	stCode: EF	PA Method	8015D: Gaso	line Range			
Client ID:	BH-20A	Batch	n ID: 68	509	F	RunNo: <b>8</b> 9	9234					
Prep Date:	7/1/2022	Analysis D	ate: 7/	5/2022	S	SeqNo: 31	72221	Units: <b>mg/K</b>	g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Rang	ge Organics (GRO)	25	4.9	24.37	0	101	70	130				
Surr: BFB		2000		974.7		203	37.7	212				
Sample ID:	2206g31-005amsd	SampT	уре: <b>МS</b>	SD	Tes	stCode: EF	PA Method	8015D: Gaso	line Range			
Client ID:	BH-20A	Batch	n ID: 68	509	F	RunNo: <b>8</b> 9	9234					
Prep Date:	7/1/2022	Analysis D	ate: 7/	5/2022	Ś	SeqNo: 31	72222	Units: <b>mg/K</b>	(g			

**Qualifiers:** 

Value exceeds Maximum Contaminant Level. \*

D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

Е Estimated value

J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit

2206G31 13-Jul-22

WO#:

QC SUMMARY REPORT	
Hall Environmental Analysis Laboratory, Inc.	

Client: Project:	GHD Mid Raitt BID	land State 1									
Sample ID:	2206g31-005amsd	206g31-005amsd     SampType:     MSD     TestCode:     EPA Method 8015D:     Gasoline Range									
Client ID:	BH-20A Batch ID: 68509			F	RunNo: <b>8</b> 9	9234					
Prep Date:	7/1/2022	Analysis D	)ate: 7/	5/2022	5	SeqNo: 31	72222	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	26	5.0	24.85	0	104	70	130	4.61	20	
Surr: BFB		2000		994.0		204	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

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	WO#:	2206G31
ironmental Analysis Laboratory, Inc.		13-Jul-22

Client:	GHD Mid	dland									
Project:	Raitt BID	State 1									
Sample ID: ml	b-68479	SampT	уре: МЕ	BLK	Tes	stCode: EF	PA Method	8021B: Volati	les		
Client ID: PE	BS	Batch	n ID: <b>68</b> 4	179	F	RunNo: <b>8</b> 9	9209				
Prep Date: 6	6/30/2022	Analysis D	)ate: 7/2	2/2022	SeqNo: 3171117 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-Bromoflu	uorobenzene	0.86		1.000		85.6	70	130			
Sample ID: LC	CS-68479	479 SampType: LCS			TestCode: EPA Method 8021B: Volatiles						
Client ID: LC	LCSS Batch ID: 68479			F	RunNo: <b>8</b> 9	9209					
Prep Date: 6	6/30/2022	Analysis Date: 7/1/2022		\$	SeqNo: 31	171118	Units: <b>mg/K</b>	g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.88	0.025	1.000	0	87.6	80	120			
Toluene		0.91	0.050	1.000	0	91.3	80	120			
Ethylbenzene		0.92	0.050	1.000	0	92.5	80	120			
Xylenes, Total		2.8	0.10	3.000	0	92.5	80	120			
Surr: 4-Bromoflu	uorobenzene	0.90		1.000		90.1	70	130			
Sample ID: ml	b-68509	SampT	ype: ME	BLK	Tes	stCode: EF	PA Method	8021B: Volati	les		
Client ID: PE	BS	Batch	n ID: 685	509	RunNo: 89234						
Prep Date: 7	7/1/2022	Analysis D	)ate: 7/	5/2022	\$	SeqNo: 31	172266	Units: <b>mg/K</b>	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		ND	0.025								
Toluene		ND	0.050								
Ethylbenzene		ND	0.050								
Xylenes, Total		ND	0.10								
Surr: 4-Bromoflu	uorobenzene	0.97		1.000		97.2	70	130			
Sample ID: LC	CS-68509	SampT	ype: LC	s	Tes	stCode: EF	PA Method	8021B: Volati	les		
Client ID: LC	CSS	Batch	n ID: 685	509	F	RunNo: <b>8</b> 9	9234				
Prep Date: 7	7/1/2022	Analysis D	)ate: 7/	5/2022	5	SeqNo: 31	172267	Units: <b>mg/Kg</b>			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.96	0.025	1.000	0	95.6	80	120			
Toluene		0.99	0.050	1.000	0	99.1	80	120			
Ethylbenzene		1.0	0.050	1.000	0	99.6	80	120			
Xylenes, Total		3.0	0.10	3.000	0	99.0	80	120			
Surr: 4-Bromoflu	uorobenzene	0.99		1.000		99.2	70	130			

#### **Qualifiers:**

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

PQL Practical Quanitative Limit

- % Recovery outside of range due to dilution or matrix interference S
- В Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit

## QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#:	2206G31
	13-Jul-22

Client:	GHD Midland
Project:	Raitt BID State 1

Sample ID: 2206g31-006ams	SampType: MS TestCode: EPA Method 8021B: Volatiles									
Client ID: BH-23A	Batcl	h ID: 685	509	F	RunNo: <b>8</b> 9	9234				
Prep Date: 7/1/2022	Analysis [	Date: 7/	5/2022	S	SeqNo: 31	172270	Units: <b>mg/K</b>	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.84	0.024	0.9699	0	86.6	68.8	120			
Toluene	0.87	0.048	0.9699	0	90.1	73.6	124			
Ethylbenzene	0.89	0.048	0.9699	0	91.9	72.7	129			
Xylenes, Total	2.7	0.097	2.910	0	93.0	75.7	126			
Surr: 4-Bromofluorobenzene	0.95		0.9699		98.4	70	130			
Sample ID: 2206g31-006amsd	SampT	Гуре: <b>МЅ</b>	D	Tes	tCode: EF	PA Method	8021B: Volati	iles		
Sample ID: 2206g31-006amsd Client ID: BH-23A	Samp] Batcl	Гуре: <b>МS</b> h ID: <b>685</b>	5D 509	Tes	tCode: EF RunNo: 89	PA Method 9234	8021B: Volati	iles		
Sample ID:         2206g31-006amsd           Client ID:         BH-23A           Prep Date:         7/1/2022	SampT Batcl Analysis [	Гуре: <b>MS</b> h ID: <b>685</b> Date: <b>7/5</b>	509 5/2022	Tes F	tCode: EF RunNo: 89 SeqNo: 31	PA Method 9234 172271	8021B: Volati Units: mg/K	iles íg		
Sample ID: 2206g31-006amsd Client ID: BH-23A Prep Date: 7/1/2022 Analyte	SampT Batcl Analysis [ Result	Гуре: <b>MS</b> h ID: <b>685</b> Date: <b>7/5</b> PQL	509 5/2022 SPK value	Tes F SPK Ref Val	tCode: EF RunNo: 89 SeqNo: 31 %REC	PA Method 9234 172271 LowLimit	8021B: Volati Units: mg/K HighLimit	iles 2g %RPD	RPDLimit	Qual
Sample ID: 2206g31-006amsd Client ID: BH-23A Prep Date: 7/1/2022 Analyte Benzene	Samp Batcl Analysis [ Result 0.76	Гуре: <b>MS</b> h ID: <b>685</b> Date: <b>7/5</b> PQL 0.024	509 5/2022 SPK value 0.9643	Tes F SPK Ref Val 0	tCode: EF RunNo: 89 SeqNo: 31 %REC 78.5	PA Method 9234 172271 LowLimit 68.8	8021B: Volati Units: mg/K HighLimit 120	iles Gg %RPD 10.4	RPDLimit 20	Qual
Sample ID: 2206g31-006amsd Client ID: BH-23A Prep Date: 7/1/2022 Analyte Benzene Toluene	Samp Batcl Analysis I Result 0.76 0.79	Гуре: <b>MS</b> h ID: <b>685</b> Date: <b>7/5</b> PQL 0.024 0.048	509 572022 SPK value 0.9643 0.9643	Tes F SPK Ref Val 0 0	tCode: EF RunNo: 89 SeqNo: 31 %REC 78.5 81.4	PA Method 2234 172271 LowLimit 68.8 73.6	8021B: Volati Units: mg/K HighLimit 120 124	iles 59 %RPD 10.4 10.7	RPDLimit 20 20	Qual
Sample ID: 2206g31-006amsd Client ID: BH-23A Prep Date: 7/1/2022 Analyte Benzene Toluene Ethylbenzene	Samp Batch Analysis D Result 0.76 0.79 0.80	Гуре: <b>MS</b> h ID: <b>685</b> Date: <b>7/5</b> PQL 0.024 0.048 0.048	509 572022 SPK value 0.9643 0.9643 0.9643	Tes F SPK Ref Val 0 0 0	tCode: EF RunNo: 89 SeqNo: 31 %REC 78.5 81.4 83.2	PA Method 3234 172271 LowLimit 68.8 73.6 72.7	8021B: Volati Units: mg/K HighLimit 120 124 129	iles 59 %RPD 10.4 10.7 10.5	RPDLimit 20 20 20	Qual
Sample ID: 2206g31-006amsd Client ID: BH-23A Prep Date: 7/1/2022 Analyte Benzene Toluene Ethylbenzene Xylenes, Total	Samp Batch Analysis D Result 0.76 0.79 0.80 2.4	Fype: <b>MS</b> h ID: <b>685</b> Date: <b>7/5</b> PQL 0.024 0.048 0.048 0.096	509 572022 SPK value 0.9643 0.9643 0.9643 2.893	Tes F SPK Ref Val 0 0 0 0 0	tCode: EF RunNo: 89 SeqNo: 31 %REC 78.5 81.4 83.2 83.5	PA Method 3234 172271 LowLimit 68.8 73.6 72.7 75.7	8021B: Volati Units: mg/K HighLimit 120 124 129 126	iles <sup>7</sup> g %RPD 10.4 10.7 10.5 11.3	RPDLimit 20 20 20 20 20	Qual

Qualifiers:

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

Page 13 of 13

Client Name: GHD Midland	Work Order Nu		ronmente	-4107 al.com			K LISI
		mber: 220	6G31			RcptNo: 1	
Received By: Juan Rojas	6/30/2022 7:30:0	0 AM		quan	39		
Completed By: Sean Livingston	6/30/2022 8:39:3	9 AM		5	_L	not	
Reviewed By: JN6/30/22							
Chain of Custody							
1. Is Chain of Custody complete?		Yes	$\checkmark$	No		Not Present	
2. How was the sample delivered?		Cou	rier				
Log In							
3. Was an attempt made to cool the samples?		Yes	V	No			
4. Were all samples received at a temperature	of >0° C to 6.0°C	Yes		No			
5. Sample(s) in proper container(s)?		Yes		No			
6. Sufficient sample volume for indicated test(s	)?	Yes	~	No			
7. Are samples (except VOA and ONG) properl	y preserved?	Yes	V	No			
8. Was preservative added to bottles?		Yes		No	~		
9. Received at least 1 vial with headspace <1/4	" for AQ VOA?	Yes		No		NA 🗹	
10. Were any sample containers received broke	n?	Yes		No		# of preserved	/
11. Does paperwork match bottle labels?		Yes		No		bottles checked for pH:	
12 Are matrices correctly identified on Chain of	Custody?	Voc		No		Adjusted?	mess not
13. Is it clear what analyses were requested?	Custody	Ves		No		/	
14. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes		No			-61301
Special Handling (if applicable)							
15. Was client notified of all discrepancies with t	his order?	Yes		No		NA 🔽	
Person Notified:	Dat	te:	-		-		
By Whom:	Via	: eMa	ail 🗍	Phone 🗌	Fax	In Person	
Regarding:		, <u></u> 0000					
Client Instructions:							

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.3	Good	1			
		A.C				

Client: GHD				Turn-Around Time: Z Standard Q Rush <u>5 Day</u> Project Name:					HALL ENVIRONMENTAL ANALYSIS LABORATORY											
Mailing Address: 2135 S. Loop 250 W. Midland, TX 79703 Phone #: (432) 686-0086			Ra: H BID State #1 Project #: 12575074				www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107 Analysis Request													
																			email or Fax#: <u>Becky.Haskell@ghd.com</u> QA/QC Package: Standard  Level 4 (Full Validation)	
Accreditation:  Accreditation:			Sampler: Heath Boyd On Ice: X Yes □ No # of Coolers: \ Cooler Temp(inducing CE): / 0, 3 <5 ⊂ / 1, 2			NO <sub>3</sub> , NO <sub>2</sub> ,	A)	ni-VOA)	M 00											
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / N	TPH:8015	8081 Pes	EDB (Met	PAHs by {	RCRA 8 N	CI, F, Br,	8260 (VO	8270 (Ser	Chloride 3				
6/29/22	1020	5	BH-9A	402.Jas/1	N/A	100	+	4								4				
	1030		BH-10A		1	202	4	x								×				
	1055		BH-18A			003	8	p								0				
	1(10		BH-19A			004	Ø	x	-4				Ť.		-	Ø			T	
1	0511		BH-ZOA	1-1 v		کدہ	y	¥				1			1	K			T	
×	1140	k	BH-23A	*	×	004	X	×								¥				
																	_			
																	_	$\pm$		
Date: 1/29/22 Date: 920/02	te: Time: Relinquished by: CA/ZZ 1330 te: Time: Relinquished by: CA			Received by: Via: Date Time				Remarks: Please email: Amber_Griffin@eogresources.com, Chase_Settle@eogresources.com; Tom.Larson@ghd.com; Zach.Comino@ghd.com; Heath.Boyd@ghd.com Along with Becky Haskell listed above.												

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.

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

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

District III

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

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

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

CONDITIONS

Operator:	OGRID:
EOG RESOURCES INC	7377
P.O. Box 2267	Action Number:
Midland, TX 79702	129745
	Action Type:
	[C-141] Release Corrective Action (C-141)

### CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	9/20/2022

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Action 129745