

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

State of New Mexico
Energy Minerals and Natural
Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

Incident ID	nAPP2115335796
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party EOG Resources, Inc.	OGRID 7377
Contact Name Chase Settle	Contact Telephone 575-748-1471
Contact email Chase_Settle@eogresources.com	Incident # (assigned by OCD) nAPP2115335796
Contact mailing address 104 S. 4th Street, Artesia, NM 88210	

Location of Release Source

Latitude 32.71712 Longitude -104.43041
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Nix Curtis BH Battery	Site Type Battery
Date Release Discovered 05/26/2021	API# (if applicable)

Unit Letter	Section	Township	Range	County
I	25	18S	25E	Eddy

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name: Sharbro Energy LLC & Yates Industries LLC ETAL)

Nature and Volume of Release

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

☒ Crude Oil	Volume Released (bbls) Unknown	Volume Recovered (bbls) 0
☐ Produced Water	Volume Released (bbls)	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 (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release Historical impacts discovered during the P&A of the battery. Release volume and date are unknown.

State of New Mexico
Oil Conservation Division

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

Initial Response

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

☒ The source of the release has been stopped. ☒ The impacted area has been secured to protect human health and the environment. ☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. ☒ All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Chase Settle</u>	Title: <u>Rep Safety & Environmental Sr</u>
Signature: <u></u>	Date: <u>6/2/2021</u>
email: <u>Chase_Settle@eogresources.com</u>	Telephone: <u>575-748-1471</u>
<u>OCD Only</u>	
Received by: _____	Date: _____

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Site Assessment/Characterization

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

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

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

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

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

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

State of New Mexico
Oil Conservation Division

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

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

Signature: Chase Settle Date: 12/22/2021

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

OCD Only

Received by: Chad Hensley Date: 02/16/2022

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Remediation Plan

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

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

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

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

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

Printed Name: Chase Settle Title: Rep Safety & Environmental Sr
Signature: Chase Settle Date: 03/24/2022
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: Jennifer Nobui Date: 05/02/2022

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

Our ref: 11229322

March 24, 2022

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

Re: **Site Characterization and Remediation Work Plan**
Nix Curtis BH Battery Release Site
EOG Resources Inc.
Incident ID: nAPP2115335796
I-25-18S-25E, Eddy County, New Mexico

To Whom It May Concern:

1. Introduction

GHD Services, Inc. (GHD), on behalf of EOG Resources (EOG), submits this Site Characterization and Remediation Work Plan to the New Mexico Oil Conservation Division (NMOCD) District 2 Office. This Report provides documentation of delineation, sampling, and analyses in the affected area at the EOG Nix Curtis BH Battery Release Site (Site). The Site is located in Unit Letter I Section 25 of Township 18 South and Range 25 East in Eddy County, New Mexico. The GPS coordinates for the release site are 32.71712 N latitude and 104.43041 W longitude. The release occurred on private land owned by Sharbo Energy LLC & Yates Industries LLC ETAL. Figure 1 depicts the Site location. The EOG production facility and other site details are depicted on Figure 2, Site Assessment: Soil Analytical Results Map.

2. Background Information

A C-141, Release Notification, for this release was submitted to the NMOCD on June 2, 2021. The C-141 stated that no known volume or date could be assigned to this historical release. The potential release area was discovered during EOG well plugging and site abandonment activities associated with this location. Soils within the former tank battery containment appeared to be discolored and after discussions between field personnel and environmental staff, EOG made the decision to go ahead and file a C-141 for this suspect release location.

The release falls under the jurisdiction of the NMOCD District 2 Office in Artesia, New Mexico. The NMOCD assigned the release with Incident Number nAPP2115335796. The Release Notification, Site Assessment/ Characterization, and Remediation portions of Form C-141 are attached to the front of this report.

3. Groundwater and Site Characterization

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

On December 14, 2021, White Drilling Company, Inc (White) installed a soil boring at the following GPS Coordinates, 32.7174806 N latitude and 104.430044 W longitude to approximately 107.5 feet below ground surface which is located at the Site. The soil boring was left open for 72 hours and a water level meter was utilized to determine the presence or absence of groundwater. No groundwater was detected, and the soil boring was subsequently plugged and abandoned. Depth to groundwater for this Site is greater than one hundred (100) feet below ground surface. No other receptors (karst potential areas, water wells, playas, wetlands, waterways, lakebeds or ordinance boundaries) were located within each specific boundaries or distance from the Site. According to the Site characterization evaluation and 19.15.29.12.C(4)(a)(i) the Site is located within an area with depth to groundwater greater than one hundred (100) feet and meets the closure criteria for depth to groundwater greater than one hundred (100) feet in Table I in NMAC 19.15.29.12 (Table I). The Site characterization documentation (GHD's Boring Log, White's Temporary Well Log, Karst Potential, Points of Diversion, Wetlands, and FEMA maps) are provided in Attachment A. The soil and closure criteria are listed below:

General Site Characterization and Groundwater:

Site Characterization	Average Groundwater Depth (ft)
No Receptors Found	>100

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

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

4. Initial Soil Delineation Assessment Summary and Findings

On June 14 through July 12, 2021, GHD Services Inc. (GHD) and EOG's contractor Culberson Construction Energy Services (CCI) installed forty-three (43) test pits, TP1 through TP43, within the suspected impacted area. Soil samples were collected at depths ranging from surface to twenty (20) feet below ground surface. All soil samples were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, total petroleum hydrocarbons (TPH) by Method 8015B Modified, and chloride by EPA Method 300 by Hall Environmental Analysis Laboratory (HEAL) in Albuquerque, New Mexico. Initial assessment activities were conducted prior to installing the December 14, 2021, soil boring to determine depth to groundwater.

Two (2) of the forty-three (43) test pits had samples exceeding applicable Table I closure criteria for groundwater greater than one hundred (100) feet: TP1 and TP4. No samples were submitted to the laboratory from surface to ten (10) feet below grade interval and it is possible that interval may have concentrations above

Table I closure criteria. Additionally, twenty-one (21) test pits exhibited concentrations above NMAC 19.15.29.13 for restoration: TP-3, TP5, TP7, TP8, TP9, TP11, TP13, TP14, TP15, TP16, TP19, TP21, TP24, TP26, TP27, TP28, TP29, TP33, TP-36, TP39, and TP41. Figure 2 depicts the locations of the initial delineation samples and analytical concentrations. Analytical results are provided in Table 1, on Figure 2, and in the Laboratory Analytical Reports provided in Attachment C.

5. Additional Assessment and Delineation

To vertically delineate the area around test pits TP1, TP3, TP4, TP13, TP15, TP23, TP24, TP27 and TP28, GHD and White returned to the Site on December 14 through December 16, 2022. Five (5) soil borings (SB-1 through SB-5) were installed in the affected areas. Samples were collected at approximately five (5) to ten (10) foot intervals and field screened for chloride and hydrocarbons. SB-1 was drilled to a depth of one hundred twenty-five (125) feet bgs, SB-2 was drilled to ninety (90) feet below ground surface, SB-3 was drilled to forty (40) feet below ground surface, SB-4 was drilled to thirty-five (35) feet below ground surface, and SB-5 was drilled to twenty-five (25) feet below ground surface. Soil samples were collected at depths ranging from five (5) to one hundred twenty-five (125) feet below ground surface. 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.

Three (3) samples exhibited TPH concentrations exceeding applicable Table I closure criteria for groundwater greater than one hundred (100) ft: SB-1-5, SB-1-10, and SB-1-20. None of the other samples exhibited TPH concentrations exceeding Table I closure criteria. Additionally, none of the collected exhibited benzene, BTEX, or chloride concentrations above Table I closure criteria. Figure 2 depicts the locations of the vertical delineation samples and analytical concentrations, and soil boring logs are included in Attachment B. Analytical results are provided in Table 1, on Figure 3, and in the Laboratory Analytical Reports provided in Attachment C.

6. nAPP2115335796 Proposed Remediation Work Plan

Soils impacted within the suspected impact area containing Total TPH concentrations over 100 mg/kg and chloride concentrations over 600 mg/kg within the top 4 feet will be excavated. GHD, on behalf of EOG, proposes to excavate the areas to the following depths:

- TP3, TP5, TP7, TP8, TP9, TP11, TP13, TP14, TP15, TP16, TP19, TP21, TP24, TP26, TP27, TP28, TP29, TP33, TP-36, TP39 and TP41 to four (4) feet below grade or until concentrations are less than NMAC 19.15.29.13 for restoration.
- TP-4 to four (4) to eight (8) feet below grade or until concentration are below Table I closure criteria.
- TP-23 to eight (8) feet below grade or until concentrations are below Table I closure criteria.
- TP-1 and SB-1 to twenty (20) feet below grade or until concentrations are below Table I closure criteria.

Figure 2 shows the affected areas and proposed excavation depths.

Confirmation samples from the bottom of the excavation will be collected by way of five (5) point composite samples. Due to the size of the proposed excavation GHD, on behalf of EOG, proposes the confirmation composite samples represent areas no greater than five hundred (500) square feet. In areas where initial sampling did not exhibit BTEX or TPH exceedances, GHD on behalf of EOG, proposes analyzing samples for chloride by EPA Method 300 only. If TPH impacts were discovered during initial assessment activities or are suspected via visual or olfactory inspection they will also be analyzed for BTEX by EPA Method 8021B and TPH by Method 8015B Modified. Excavation sidewall confirmation samples will be collected by way of five (5) point composite samples representing areas no greater than two hundred (200) square feet. Sidewall confirmation samples will be analyzed for BTEX by EPA Method 8021B, TPH by Method 8015B Modified and EPA Method 300.

Excavated soils will be transported to a NMOCD-approved disposal facility for disposal. The anticipated volume of soil to be disposed of is approximately 28,500 cubic yards. The excavation will be backfilled with non-impacted soil transported to the Site. Due to the extensive soil volumes to be excavated for disposal, backfill soil needed, and the immense amount of labor required for a site of this magnitude, it is anticipated that a minimum of 150 days will be required to complete the remediation of the site after this work plan has been approved. A closure report documenting remediation activities will be prepared and submitted to the NMOCD when remediation activities have been completed.

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

Sincerely,

GHD



Becky Haskell
Senior Project Manager



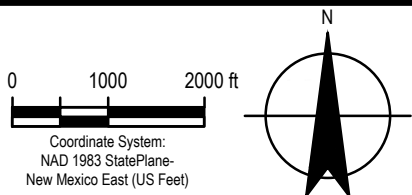
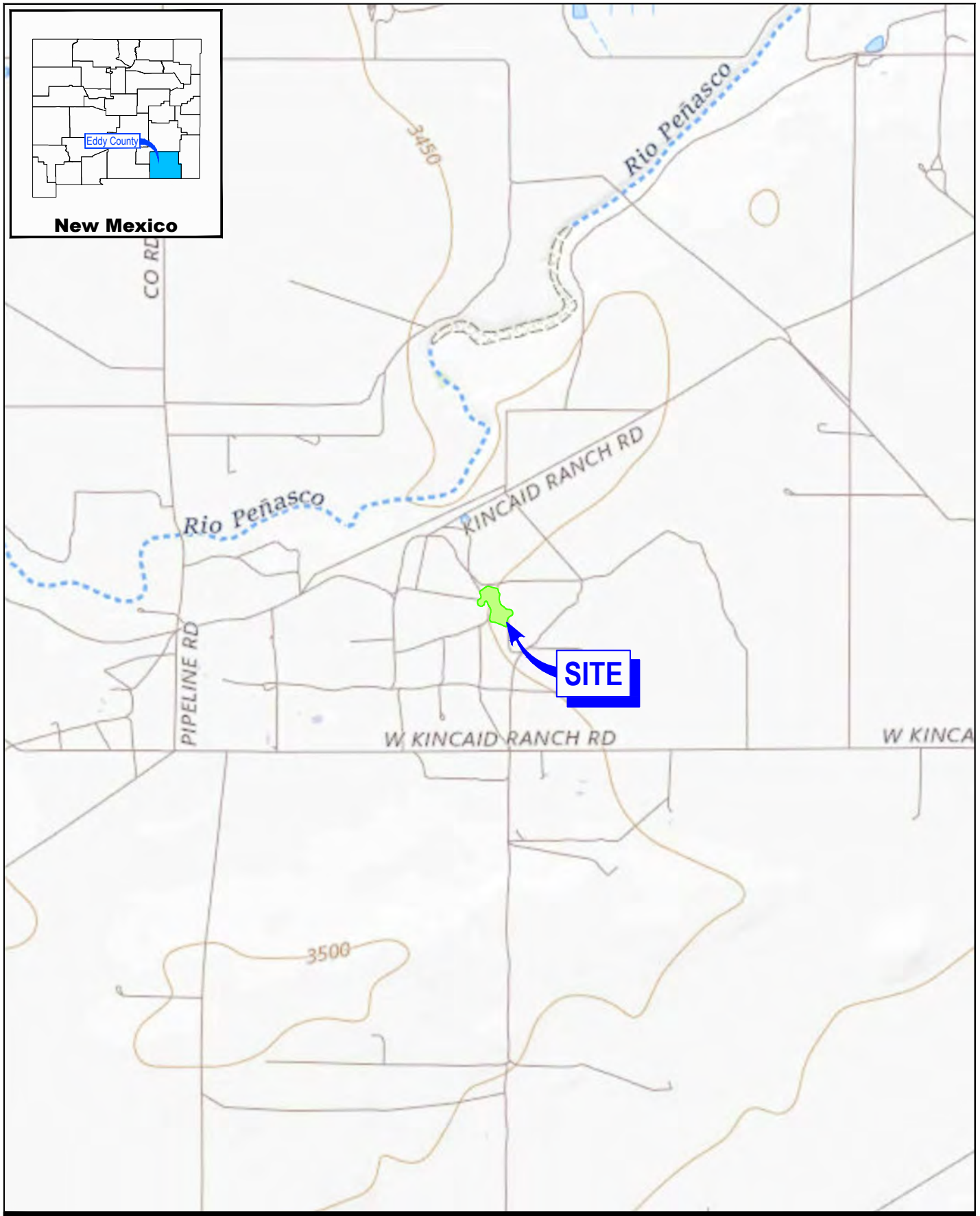
Nate Reece
Environmental Scientist

BH/NR/1

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

cc: Chase Settle

Figures



EOG RESOURCES
EDDY COUNTY, NEW MEXICO
NIX CURTIS BH BATTERY

Project No. 11229322-02
Date December 2021

SITE LOCATION MAP

FIGURE 1

Sample ID	Sample Date	Depth (feet bgs.)	Benzene	BTEX	TPH Total GRODROMRO	Chloride
			(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
			Table I Closure Criteria for Soils <50 feet Depth to Groundwater 19.15.29 NMAC			
			10 mg/Kg	50 mg/Kg	2,500 mg/Kg	20,000 mg/Kg
Initial Assessment Samples						
TP1-8	6/14/21	8	0.84	33.57	8,180	2,300
TP1-15	6/14/21	15	0.096	2.996	4,352	4,900
TP1-20	6/14/21	20	0.029	1.969	2,113	3,000
TP2-S	6/14/21	Surface	<0.023	<0.094	49	<60
TP2-2	6/14/21	2	<0.024	<0.097	<50	97
TP3-S	6/14/21	Surface	<0.024	<0.097	920	420
TP3-2	6/14/21	2	<0.024	<0.097	494	130
TP3-8	7/8/21	8	<0.024	<0.094	<50	2,300
TP3-16	7/8/21	15	<0.024	<0.095	<46	6,400
TP3-20	7/8/21	20	<0.024	<0.096	<45	3,500
TP4-4	6/14/21	4	<0.12	0.82	6,975	1,800
TP4-8	6/14/21	8	<0.12	0.32	1,193	910
TP4-16	6/14/21	16	<0.023	<0.092	250	1,300
TP4-20	6/14/21	20	<0.024	<0.096	<50	2,300
TP5-2	6/14/21	2	<0.024	<0.097	<48	800
TP5-4	6/14/21	4	<0.024	<0.094	<50	330
TP6-S	6/14/21	Surface	<0.023	<0.093	<43	<61
TP6-2	6/14/21	2	<0.024	<0.097	<50	94
TP7-2	6/14/21	2	<0.023	<0.093	<44	1,700
TP7-6	6/14/21	6	<0.023	<0.093	<50	1,500
TP7-12	6/14/21	12	<0.025	<0.0987	<43	1,600
TP7-14	6/14/21	14	<0.023	<0.092	<50	1,300
TP7-16	7/9/21	16	<0.024	<0.095	<47	280
TP8-2	6/14/21	2	<0.024	<0.094	<49	1,700
TP8-6	6/14/21	6	<0.023	<0.092	<48	1,300
TP8-10	6/14/21	10	<0.023	<0.094	<48	1,500
TP8-12	6/14/21	12	<0.024	<0.096	<49	1,100
TP8-14	7/12/21	14	<0.024	<0.094	<49	180
TP9-2	6/15/21	2	<0.025	<0.10	<49	930
TP9-4	6/15/21	4	<0.024	<0.097	<48	470
TP10-S	6/15/21	Surface	<0.024	<0.098	<50	<60
TP10-2	6/15/21	2	<0.025	<0.099	<49	110
TP11-2	6/15/21	2	<0.025	<0.099	<48	910
TP11-4	6/15/21	4	<0.025	0.358	278.3	400
TP11-6	7/9/21	6	<0.024	<0.098	<47	210
TP12-S	6/15/21	Surface	<0.025	<0.098	<48	<60
TP12-2	6/15/21	2	<0.025	<0.10	<49	<60
TP13-2	6/15/21	2	<0.025	<0.10	<48	5,100
TP13-6	6/15/21	6	<0.025	<0.098	<45	6,700
TP13-14	6/15/21	14	<0.023	<0.093	<48	8,300
TP13-18	6/16/21	18	<0.025	<0.098	<48	6,500
TP13-20	6/16/21	20	<0.024	<0.095	11	8,000
TP14-2	6/16/21	2	<0.025	<0.099	<47	1,600
TP14-6	6/16/21	6	<0.024	<0.097	<45	820
TP14-8	7/12/21	8	<0.024	<0.097	<46	380
TP14-12	7/12/21	12	<0.023	<0.093	<47	210
TP15-2	6/16/21	2	<0.024	<0.098	<47	7,600
TP15-10	6/16/21	10	<0.025	<0.10	<44	3,800
TP15-16	6/16/21	16	<0.024	<0.095	<49	1,700
TP15-18	6/16/21	18	<0.024	<0.095	<47	1,700
TP16-2	6/16/21	2	<0.024	<0.095	<48	2,500
TP16-6	6/16/21	6	<0.023	<0.093	<47	460
TP17-S	6/16/21	Surface	<0.024	<0.096	<48	<60
TP17-2	6/16/21	2	<0.024	<0.096	<46	560
TP18-S	6/16/21	Surface	<0.024	<0.097	<49	<60
TP18-2	6/16/21	2	<0.024	<0.096	<48	220
TP19-2	6/16/21	2	<0.025	<0.10	<48	1,400
TP19-6	6/16/21	6	<0.024	<0.095	<43	2,100
TP19-10	6/16/21	10	<0.025	<0.099	<48	1,300
TP19-12	6/16/21	12	<0.025	<0.099	<45	1,100
TP19-14	7/12/21	14	<0.025	<0.10	<46	350
TP20-S	6/17/21	Surface	<0.023	<0.092	<51	290
TP20-2	6/17/21	2	<0.024	<0.096	<49	<60
TP21-2	6/17/21	2	<0.023	<0.096	<47	2,100
TP21-4	6/17/21	4	<0.023	<0.093	<44	430
TP22-S	6/17/21	Surface	<0.023	<0.094	<49	<60
TP22-2	6/17/21	2	<0.024	<0.097	<48	<60
TP23-10	7/8/21	10	<0.12	<0.47	1,850	2,000
TP23-16	7/8/21	16	<0.025	<0.10	<49	460
TP23-20	7/8/21	20	<0.024	<0.10	<48	1,000
TP24-2	7/8/21	2	<0.025	<0.099	<49	2,300
TP24-7	7/8/21	7	<0.024	<0.095	<48	2,800
TP24-15	7/8/21	15	<0.12	<6.49	46	7,700
TP24-20	7/8/21	20	<0.024	<0.097	<48	9,700
TP25-S	7/8/21	Surface	<0.025	<0.099	<48	<60
TP25-2	7/8/21	2	<0.024	<0.095	<49	<60
TP26-S	7/8/21	Surface	<0.024	<0.096	290	<60
TP26-2	7/8/21	2	<0.024	<0.097	144	220
TP27-2	7/8/21	2	<0.023	<0.092	<45	750
TP27-8	7/8/21	8	<0.024	<0.096	<46	5,100
TP27-16	7/8/21	16	<0.025	<0.099	<46	2,900
TP27-20	7/8/21	20	<0.023	<0.092	<48	2,900
TP28-2	7/9/21	2	<0.024	<0.097	<49	1,300
TP28-6	7/9/21	6	<0.025	<0.098	<49	880
TP28-10	7/9/21	10	<0.023	<0.093	<50	3,200
TP28-16	7/9/21	16	<0.024	<0.094	<48	2,200
TP28-20	7/9/21	20	<0.024	<0.098	<48	3,900

Sample ID	Sample Date	Depth (feet bgs.)	Benzene	BTEX	TPH	Chloride
			(mg/Kg)	(mg/Kg)	Total GROD/ROMRO	(mg/Kg)
Table I Closure Criteria for Soils <50 feet Depth to Groundwater 19.15.29 NMAC						
			10 mg/Kg	50 mg/Kg	2,500 mg/Kg	20,000 mg/Kg
Initial Assessment Samples						
TP29-2	7/9/21	2	<0.025	<0.099	<49	1,300
TP29-5	7/9/21	5	<0.024	<0.094	<48	180
TP30-S	7/9/21	Surface	<0.025	<0.099	<48	<60
TP30-2	7/9/21	2	<0.024	<0.096	<50	<59
TP31-S	7/9/21	Surface	<0.024	<0.098	<47	<60
TP31-2	7/9/21	2	<0.024	<0.097	<48	<60
TP32-S	7/9/21	Surface	<0.024	<0.094	<49	<60
TP32-2	7/9/21	2	<0.025	<0.099	<50	<60
TP33-2	7/9/21	2	<0.024	<0.098	<48	2,000
TP33-6	7/9/21	6	<0.024	<0.097	<50	1,000
TP33-10	7/9/21	10	<0.024	<0.094	<49	1,900
TP33-15	7/9/21	15	<0.024	<0.097	<48	380
TP34-S	7/9/21	Surface	<0.024	<0.096	<47	<60
TP34-2	7/9/21	2	<0.024	<0.098	<49	<60
TP35-S	7/9/21	Surface	<0.024	<0.098	<46	<60
TP35-2	7/9/21	2	<0.023	<0.094	<50	<60
TP36-S	7/9/21	Surface	<0.023	<0.091	750	<60
TP36-2	7/9/21	2	<0.024	<0.096	306	<60
TP37-S	7/9/21	Surface	<0.024	<0.094	<49	<60
TP37-2	7/9/21	2	<0.023	<0.093	<50	<60
TP38-S	7/12/21	Surface	<0.024	<0.095	<49	<59
TP38-2	7/12/21	2	<0.023	<0.092	83	<60
TP39-2	7/12/21	2	<0.024	<0.094	<49	1,500
TP39-S	7/12/21	5	<0.023	<0.094	<47	550
TP40-S	7/12/21	Surface	<0.024	<0.097	<48	<60
TP40-2	7/12/21	2	<0.025	<0.098	<48	190
TP41-2	7/12/21	2	<0.023	<0.093	<50	3,700
TP41-6	7/12/21	6	<0.025	<0.10	<43	360
TP41-12	7/12/21	12	<0.024	<0.096	<50	180
TP41-15	7/12/21	15	<0.024	<0.097	<46	130
TP42-S	7/12/21	Surface	<0.025	<0.10	<47	<60
TP42-2	7/12/21	2	<0.025	<0.10	<46	<60
TP43-S	7/12/21	Surface	<0.024	<0.094	<49	<60
TP43-2	7/12/21	2	<0.024	<0.098	<49	<60
Soil Boring Samples						
SB-1-5	12/14/21	5	<0.12	4.9	8,760	890
SB-1-10	12/14/21	10	<0.12	6.5	4,030	610
SB-1-15	12/14/21	15	<0.12	4.1	650	640
SB-1-20	12/14/21	20	<0.12	2.07	2,700	1,100
SB-1-25	12/14/21	25	<0.12	1.52	430	2,400
SB-1-30	12/14/21	30	<0.12	0.26	1,189	3,600
SB-1-35	12/14/21	35	<0.12	6.2	1,540	4,100
SB-1-40	12/14/21	40	<0.12	1.86	1,402	5,100
SB-1-45	12/14/21	45	<0.12	<0.47	<47	6,400
SB-1-50	12/14/21	50	<0.12	<0.48	196	4,700
SB-1-60	12/14/21	60	<0.024	<0.097	20	1,700
SB-1-70	12/14/21	70	<0.025	<0.098	<47	2,200
SB-1-80	12/14/21	80	<0.024	<0.096	<45	1,500
SB-1-90	12/14/21	90	<0.024	<0.096	<48	1,600
SB-1-100	12/15/21	100	<0.024	<0.097	<49	1,500
SB-1-110	12/15/21	110	<0.024	<0.095	<47	880
SB-1-120	12/15/21	120	<0.024	<0.094	<45	280
SB-1-125	12/15/21	125	<0.024	<0.095	<46	110
SB-2-5	12/16/21	5	<0.12	<0.47	510	2,000
SB-2-10	12/16/21	10	<0.12	<0.48	310	3,500
SB-2-15	12/16/21	15	<0.024	<0.095	<49	1,000
SB-2-20	12/16/21	20	<0.025	<0.10	<50	970
SB-2-25	12/16/21	25	<0.024	<0.095	<45	6,100
SB-2-30	12/16/21	30	<0.024	<0.096	<44	6,100
SB-2-35	12/16/21	35	<0.025	<0.099	<45	3,700
SB-2-40	12/16/21	40	<0.025	<0.099	<45	3,600
SB-2-45	12/16/21	45	<0.024	<0.096	<44	2,300
SB-2-50	12/16/21	50	<0.025	<0.10	<45	5,200
SB-2-60	12/16/21	60	<0.024	<0.098	<49	300
SB-2-70	12/16/21	70	<0.023	<0.093	<47	1,600
SB-2-80	12/16/21	80	<0.023	<0.092	<42	<60
SB-2-85	12/16/21	85	<0.023	<0.093	<49	<60
SB-2-90	12/16/21	90	<0.025	<0.098	346	<60
SB-3-5'	12/16/2021	5	<0.023	<0.09	<49	890
SB-3-10'	12/16/2021	10	<0.023	<0.09	<47	3,800
SB-3-15'	12/16/2021	15	<0.023	<0.09	<47	3,000
SB-3-20'	12/16/2021	20	<0.025	<0.10	<43	3,600
SB-3-25'	12/16/2021	25	<0.025	<0.10	<46	1,800
SB-3-30'	12/16/2021	30	<0.023	<0.09	<48	210
SB-3-35'	12/16/2021	35	<0.024	<0.09	<49	110
SB-3-40'	12/16/2021	40	<0.025	<0.10	<50	110
SB-4-5'	12/16/2021	5	<0.024	<0.10	<49	5,400
SB-4-10'	12/16/2021	10	<0.025	<0.10	<50	6,000
SB-4-15'	12/16/2021	15	<0.025	<0.10	<46	5,400
SB-4-20'	12/16/2021	20	<0.025	<0.10	<47	4,600
SB-4-25'	12/16/2021	25	<0.024	<0.10	<47	810
SB-4-30'	12/16/2021	30	<0.025	<0.10	<49	320
SB-4-35'	12/16/2021	35	<0.025	<0.10	<49	260
SB-5-5'	12/16/2021	5	<0.025	<0.10	<46	2,800
SB-5-10'	12/16/2021	10	<0.024	<0.10	<46	1,700
SB-5-15'	12/16/2021	15	<0.024	<0.10	<42	720
SB-5-20'	12/16/2021	20	<0.025	<0.10	<49	220
SB-5-25'	12/16/2021	25	<0.024	<0.10	<47	320

Tables

Table 1
Summary of Soil Analytical Data
Nix Curtis BH Battery
EOG Resources
Eddy County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	Total Petroleum Hydrocarbons (TPH)				Chloride
								GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			Table I Closure Criteria for Soils >100 feet Depth to Groundwater 19.15.29 NMAC									
10	---	---	---	50	1,000		---	2,500	20,000			
Initial Assessment Samples												
TP1-8	6/14/21	8	0.84	0.83	8.9	23	33.57	580	5,000	2,600	8,180	2,300
TP1-15	6/14/21	15	0.096	<0.049	1.5	1.4	2.996	82	2,900	1,400	4,382	4,900
TP1-20	6/14/21	20	0.029	<0.048	1.3	0.64	1.969	73	1,400	640	2,113	3,000
TP2-S	6/14/21	Surface	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	<98	49	49	<60
TP2-2	6/14/21	2	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<10	<50	<50	97
TP3-S	6/14/21	Surface	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	280	640	920	420
TP3-2	6/14/21	2	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	24	470	494	130
TP3-8	7/8/21	8	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	<10	<50	<50	2,300
TP3-16	7/8/21	15	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.2	<46	<46	6,400
TP3-20	7/8/21	20	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.0	<45	<45	3,500
TP4-4	6/14/21	4	<0.12	<0.24	0.28	0.54	0.82	75	4,600	2,300	6,975	1,800
TP4-8	6/14/21	8	<0.12	<0.25	0.32	<.50	0.32	33	770	390	1,193	910
TP4-16	6/14/21	16	<0.023	<0.046	<0.046	<0.092	<0.092	<4.6	130	120	250	1,300
TP4-20	6/14/21	20	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<10	<50	<50	2,300
TP5-2	6/14/21	2	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.6	<48	<48	800
TP5-4	6/14/21	4	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	<9.9	<50	<50	330
TP6-S	6/14/21	Surface	<0.023	<0.046	<0.046	<0.093	<0.093	<4.6	<8.7	<43	<43	<61
TP6-2	6/14/21	2	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<10	<50	<50	94
TP7-2	6/14/21	2	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	<8.8	<44	<44	1,700
TP7-6	6/14/21	6	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	<10	<50	<50	1,500
TP7-12	6/14/21	12	<0.025	<0.049	<0.049	<0.0987	<0.0987	<4.9	<8.5	<43	<43	1,600
TP7-14	6/14/21	14	<0.023	<0.046	<0.046	<0.092	<0.092	<4.6	<10	<50	<50	1,300
TP7-16	7/9/21	16	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.5	<47	<47	280
TP8-2	6/14/21	2	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	<9.7	<49	<49	1,700
TP8-6	6/14/21	6	<0.023	<0.046	<0.046	<0.092	<0.092	<4.6	<9.6	<48	<48	1,300
TP8-10	6/14/21	10	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	<9.7	<48	<48	1,500
TP8-12	6/14/21	12	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.8	<49	<49	1,100
TP8-14	7/12/21	14	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	<9.9	<49	<49	180

Table 1
Summary of Soil Analytical Data
Nix Curtis BH Battery
EOG Resources
Eddy County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	Total Petroleum Hydrocarbons (TPH)				Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	(mg/kg)
			Table I Closure Criteria for Soils >100 feet Depth to Groundwater 19.15.29 NMAC									
			10	---	---	---	50	1,000	---	2,500	20,000	
TP9-2	6/15/21	2	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.9	<49	<49	930
TP9-4	6/15/21	4	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.6	<48	<48	470
TP10-S	6/15/21	Surface	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.9	<50	<50	<60
TP10-2	6/15/21	2	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.9	<49	<49	110
TP11-2	6/15/21	2	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.6	<48	<48	910
TP11-4	6/15/21	4	<0.025	<0.049	0.098	0.26	0.358	8.3	140	130	278.3	400
TP11-6	7/9/21	6	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.4	<47	<47	210
TP12-S	6/15/21	Surface	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.6	<48	<48	<60
TP12-2	6/15/21	2	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.7	<49	<49	<60
TP13-2	6/15/21	2	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.6	<48	<48	5,100
TP13-6	6/15/21	6	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.0	<45	<45	6,700
TP13-14	6/15/21	14	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	<9.6	<48	<48	8,300
TP13-18	6/16/21	18	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.7	<48	<48	6,500
TP-13-20	6/16/21	20	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	11	<46	11	8,000
TP14-2	6/16/21	2	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.5	<47	<47	1,600
TP14-6	6/16/21	6	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.1	<45	<45	820
TP14-8	7/12/21	8	<0.024	<0.048	<0.048	<0.097	<0.097	<4.9	<9.1	<46	<46	380
TP14-12	7/12/21	12	<0.023	<0.048	<0.048	<0.093	<0.093	<4.7	<9.3	<47	<47	210
TP15-2	6/16/21	2	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.4	<47	<47	7,600
TP15-10	6/16/21	10	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<8.7	<44	<44	3,800
TP15-16	6/16/21	16	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<9.8	<49	<49	1,700
TP15-18	6/16/21	18	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.4	<47	<47	1,700
TP16-2	6/16/21	2	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.7	<48	<48	2,500
TP16-6	6/16/21	6	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	<9.5	<47	<47	460
TP17-S	6/16/21	Surface	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.6	<48	<48	<60
TP17-2	6/16/21	2	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.1	<46	<46	560
TP18-S	6/16/21	Surface	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.9	<49	<49	<60
TP18-2	6/16/21	2	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.6	<48	<48	220

Table 1
Summary of Soil Analytical Data
Nix Curtis BH Battery
EOG Resources
Eddy County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	Total Petroleum Hydrocarbons (TPH)				Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	(mg/kg)
			Table I Closure Criteria for Soils >100 feet Depth to Groundwater 19.15.29 NMAC									
			10	---	---	---	50	1,000	---	2,500	20,000	
TP19-2	6/16/21	2	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.5	<48	<48	1,400
TP19-6	6/16/21	6	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<8.7	<43	<43	2,100
TP19-10	6/16/21	10	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.7	<48	<48	1,300
TP19-12	6/16/21	12	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.0	<45	<45	1,100
TP19-14	7/12/21	14	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.1	<46	<46	350
TP20-S	6/17/21	Surface	<0.023	<0.046	<0.046	<0.092	<0.092	<4.6	<10	<51	<51	290
TP20-2	6/17/21	2	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.9	<49	<49	<60
TP21-2	6/17/21	2	<0.023	<0.046	<0.046	<0.096	<0.096	<4.6	<9.5	<47	<47	2,100
TP21-4	6/17/21	4	<0.023	<0.046	<0.046	<0.093	<0.093	<4.6	<8.8	<44	<44	430
TP22-S	6/17/21	Surface	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	<9.9	<49	<49	<60
TP22-2	6/17/21	2	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.6	<48	<48	<60
TP23-10	7/8/21	10	<0.12	<0.24	<0.24	<0.47	<0.47	<24	920	930	1,850	2,000
TP23-16	7/8/21	16	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<9.7	<49	<49	450
TP23-20	7/8/21	20	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<9.7	<48	<48	1,000
TP24-2	7/8/21	2	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.8	<49	<49	2,300
TP24-7	7/8/21	7	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<9.6	<48	<48	2,800
TP24-15	7/8/21	15	<0.12	<0.25	<0.25	<0.49	<0.49	<25	46	<47	46	7,700
TP24-20	7/8/21	20	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<9.6	<48	<48	9,700
TP25-S	7/8/21	Surface	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.5	<48	<48	<60
TP25-2	7/8/21	2	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.8	<49	<49	<60
TP26-S	7/8/21	Surface	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	50	240	290	<60
TP26-2	7/8/21	2	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	22	120	144	220
TP27-2	7/8/21	2	<0.023	<0.046	<0.046	<0.092	<0.092	<4.6	<9.0	<45	<45	750
TP27-8	7/8/21	8	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.2	<46	<46	5,100
TP27-16	7/8/21	16	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.1	<46	<46	2,900
TP27-20	7/8/21	20	<0.023	<0.046	<0.046	<0.092	<0.092	<4.6	<9.5	<48	<48	2,900
TP28-2	7/9/21	2	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.8	<49	<49	1,300
TP28-6	7/9/21	6	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.8	<49	<49	880

Table 1
Summary of Soil Analytical Data
Nix Curtis BH Battery
EOG Resources
Eddy County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	Total Petroleum Hydrocarbons (TPH)				Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	(mg/kg)
			Table I Closure Criteria for Soils >100 feet Depth to Groundwater 19.15.29 NMAC									
			10	---	---	---	50	1,000	---	2,500	20,000	
TP28-10	7/9/21	10	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	<10	<50	<50	3,200
TP28-16	7/9/21	16	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	<9.6	<48	<48	2,200
TP28-20	7/9/21	20	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.7	<48	<48	3,900
TP29-2	7/9/21	2	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.8	<49	<49	1,300
TP29-5	7/9/21	5	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	<9.6	<48	<48	180
TP30-S	7/9/21	Surface	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.7	<48	<48	<60
TP30-2	7/9/21	2	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<10	<50	<50	<59
TP31-S	7/9/21	Surface	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.4	<47	<47	<60
TP31-2	7/9/21	2	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.7	<48	<48	<60
TP32-S	7/9/21	Surface	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	<9.7	<49	<49	<60
TP32-2	7/9/21	2	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<10	<50	<50	<60
TP33-2	7/9/21	2	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.7	<48	<48	2,000
TP33-6	7/9/21	6	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<10	<50	<50	1,000
TP33-10	7/9/21	10	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	<9.7	<49	<49	1,900
TP33-15	7/9/21	15	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<9.6	<48	<48	380
TP34-S	7/9/21	Surface	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.4	<47	<47	<60
TP34-2	7/9/21	2	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.9	<49	<49	<60
TP35-S	7/9/21	Surface	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.2	<46	<46	<60
TP35-2	7/9/21	2	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	<10	<50	<50	<60
TP36-S	7/9/21	Surface	<0.023	<0.046	<0.046	<0.091	<0.091	<4.6	160	590	750	<60
TP36-2	7/9/21	2	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	56	250	306	<60
TP37-S	7/9/21	Surface	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	<9.7	<49	<49	<60
TP37-2	7/9/21	2	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	<10	<50	<50	<60
TP38-S	7/12/21	Surface	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<9.7	<49	<49	<59
TP38-2	7/12/21	2	<0.023	<0.046	<0.046	<0.092	<0.092	<4.6	12	71	83	<60
TP39-2	7/12/21	2	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	<9.8	<49	<49	1,500
TP39-5	7/12/21	5	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	<9.4	<47	<47	550

Table 1
Summary of Soil Analytical Data
Nix Curtis BH Battery
EOG Resources
Eddy County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	Total Petroleum Hydrocarbons (TPH)				Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	(mg/kg)
			Table I Closure Criteria for Soils >100 feet Depth to Groundwater 19.15.29 NMAC									
			10	---	---	---	50	1,000	---	2,500	20,000	
TP40-S	7/12/21	Surface	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.5	<48	<48	<60
TP40-2	7/12/21	2	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.7	<48	<48	190
TP41-2	7/12/21	2	<0.023	<0.046	<0.046	<0.093	<0.093	<4.6	<10	<50	<50	3,700
TP41-8	7/12/21	8	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<8.6	<43	<43	360
TP41-12	7/12/21	12	<0.024	<0.050	<0.050	<0.096	<0.096	<4.8	<10	<50	<50	180
TP41-15	7/12/21	15	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.2	<46	<46	130
TP42-S	7/12/21	Surface	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.4	<47	<47	<60
TP42-2	7/12/21	2	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.1	<46	<46	<60
TP43-S	7/12/21	Surface	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	<9.7	<49	<49	<60
TP43-2	7/12/21	2	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.8	<49	<49	<60
Soil Boring Samples												
SB-1-5	12/14/21	5	<0.12	<0.25	1.5	3.4	4.9	160	5,900	2,700	8,760	890
SB-1-10	12/14/21	10	<0.12	<0.24	2.5	4.0	6.5	180	2,900	950	4,030	610
SB-1-15	12/14/21	15	<0.12	<0.24	2.1	2.0	4.1	170	350	130	650	640
SB-1-20	12/14/21	20	<0.12	<0.24	1.3	0.77	2.07	100	1,600	1,000	2,700	1,100
SB-1-25	12/14/21	25	<0.12	<0.24	0.94	0.58	1.52	80	240	110	430	2,400
SB-1-30	12/14/21	30	<0.12	<0.24	0.26	<0.49	0.26	29	670	490	1,189	3,600
SB-1-35	12/14/21	35	<0.12	<0.24	3.2	3.0	6.2	220	890	430	1,540	4,100
SB-1-40	12/14/21	40	<0.12	<0.25	0.94	0.92	1.86	82	840	480	1,402	5,100
SB-1-45	12/14/21	45	<0.12	<0.23	<0.23	<0.47	<0.47	<23	<9.5	<47	<47	6,400
SB-1-50	12/14/21	50	<0.12	<0.24	<0.24	<0.48	<0.48	<24	120	76	196	4,700
SB-1-60	12/14/21	60	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	20	<46	20	1,700
SB-1-70	12/14/21	70	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.3	<47	<47	2,200
SB-1-80	12/14/21	80	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<8.9	<45	<45	1,500
SB-1-90	12/14/21	90	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.6	<48	<48	1,600
SB-1-100	12/15/21	100	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.7	<49	<49	1,500
SB-1-110	12/15/21	110	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<9.5	<47	<47	880
SB-1-120	12/15/21	120	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	<9.1	<45	<45	280
SB-1-125	12/15/21	125	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<9.2	<46	<46	110
SB-2-5	12/16/21	5	<0.12	<0.24	<0.24	<0.47	<0.47	<24	220	290	510	2,000

Table 1
Summary of Soil Analytical Data
Nix Curtis BH Battery
EOG Resources
Eddy County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	Total Petroleum Hydrocarbons (TPH)				Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	(mg/kg)
			Table I Closure Criteria for Soils >100 feet Depth to Groundwater 19.15.29 NMAC									
			10	---	---	---	50	1,000	---	2,500	20,000	
SB-2-10	12/16/21	10	<0.12	<0.24	<0.24	<0.48	<0.48	<24	120	190	310	3,500
SB-2-15	12/16/21	15	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.8	<49	<49	1,000
SB-2-20	12/16/21	20	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.9	<50	<50	970
SB-2-25	12/16/21	25	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<9.0	<45	<45	6,100
SB-2-30	12/16/21	30	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<8.8	<44	<44	6,100
SB-2-35	12/16/21	35	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.0	<45	<45	3,700
SB-2-40	12/16/21	40	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.0	<45	<45	3,600
SB-2-45	12/16/21	45	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<8.9	<44	<44	2,300
SB-2-50	12/16/21	50	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.0	<45	<45	5,200
SB-2-60	12/16/21	60	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.7	<49	<49	300
SB-2-70	12/16/21	70	<0.023	<0.046	<0.046	<0.093	<0.093	<4.6	<9.3	<47	<47	1,600
SB-2-80	12/16/21	80	<0.023	<0.046	<0.046	<0.092	<0.092	<4.6	<8.4	<42	<42	<60
SB-2-85	12/16/21	85	<0.023	<0.046	<0.046	<0.093	<0.093	<4.6	<9.8	<49	<49	<60
SB-2-90	12/16/21	90	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	96	250	346	<60
SB-3-5'	12/16/2021	5	<0.023	<0.046	<0.046	<0.091	<0.09	<4.6	<9.7	<49	<49	890
SB-3-10'	12/16/2021	10	<0.023	<0.046	<0.046	<0.092	<0.09	<4.6	<9.4	<47	<47	3,800
SB-3-15'	12/16/2021	15	<0.023	<0.047	<0.047	<0.093	<0.09	<4.7	<9.3	<47	<47	3,000
SB-3-20'	12/16/2021	20	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<8.6	<43	<43	3,600
SB-3-25'	12/16/2021	25	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.2	<46	<46	1,800
SB-3-30'	12/16/2021	30	<0.023	<0.047	<0.047	<0.093	<0.09	<4.7	<9.5	<48	<48	210
SB-3-35'	12/16/2021	35	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	<9.7	<49	<49	110
SB-3-40'	12/16/2021	40	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<10	<50	<50	110
SB-4-5'	12/16/2021	5	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.8	<49	<49	5,400
SB-4-10'	12/16/2021	10	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<10	<50	<50	6,000
SB-4-15'	12/16/2021	15	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<9.3	<46	<46	5,400
SB-4-20'	12/16/2021	20	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<9.4	<47	<47	4,600
SB-4-25'	12/16/2021	25	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.3	<47	<47	810
SB-4-30'	12/16/2021	30	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<9.7	<49	<49	320
SB-4-35'	12/16/2021	35	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.7	<49	<49	260
SB-5-5'	12/16/2021	5	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.2	<46	<46	2,800
SB-5-10'	12/16/2021	10	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.2	<46	<46	1,700

Table 1
Summary of Soil Analytical Data
Nix Curtis BH Battery
EOG Resources
Eddy County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	Total Petroleum Hydrocarbons (TPH)				Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	(mg/kg)
			Table I Closure Criteria for Soils >100 feet Depth to Groundwater 19.15.29 NMAC									
			10	---	---	---	50	1,000		---	2,500	20,000
SB-5-15'	12/16/2021	15	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	<8.3	<42	<42	720
SB-5-20'	12/16/2021	20	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.8	<49	<49	220
SB-5-25	12/16/2021	25	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.4	<47	<47	320

1. Values reported in mg/kg

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

3. Bold Indicates Analyte Detected

4. BTEX analyses by EPA Method SW 8021B.

5. TPH analyses by EPA Method SW 8015 Modified

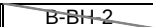
6. GRO/DRO/MRO = Gasoline/Diesel/Motor Oil

7. J - the target analytes was positively identified below the quantitation limit and above the detection limit.

8. --- = not defined

Yellow shaded cells indicate analytical samples that exceed the NMAC
 19.15.29.12 Table I for depth to water greater than 100 ft

Peach shaded cells indicate analytical samples that exceed the NMAC
 19.15.29.12 Table I for depth to water less than 50 ft

 Sample Point Excavated

Attachment A

Site Characterization Documentation



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 2

PROJECT NAME: Nix Curtis BH Battery

HOLE DESIGNATION: DTW Well

PROJECT NUMBER: 11229322

DATE COMPLETED: December 14, 2021

CLIENT: EOG Resources

DRILLING METHOD: Air Rotary/Split Spoons

LOCATION: Artesia, New Mexico

FIELD PERSONNEL: L. Mullins

DRILLING CONTRACTOR: White Drilling Company, Inc

DRILLER: B. Adkins

File: I:\LOG DATABASE\8-CHAR\11-1122-11229322 NIX11229322-CO.GPJ Library File: GHD_ENVIRO_V06.GLB Report: OVERBURDEN LOG Date: 1/13/22

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH BGS	SOIL BORING	SAMPLE				
				NUMBER	INTERVAL	REC (%)	CHLORIDE (mg/kg)	
5	CL-SILTY CLAY, with sand, light brown, dry							
10								
12.00	CL-SILTY CLAY, light brown, dry	12.00						
15								
20								
25								
30								
35	CL-CLAY, with silt and caliche interbedded	35.00						
38.00	CL-CLAY, with fine to medium grained sand, light brown, slightly moist	38.00						
40								
45								
50								
55								
60	CL-SILTY CLAY, with sand and rock interbedded throughout, light brown, slightly damp	60.00						

 Backfilled With
Cement Grout

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



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 2 of 2

PROJECT NAME: Nix Curtis BH Battery

HOLE DESIGNATION: DTW Well

PROJECT NUMBER: 11229322

DATE COMPLETED: December 14, 2021

CLIENT: EOG Resources

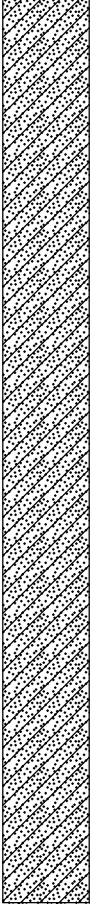
DRILLING METHOD: Air Rotary/Split Spoons

LOCATION: Artesia, New Mexico

FIELD PERSONNEL: L. Mullins

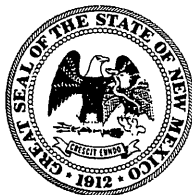
DRILLING CONTRACTOR: White Drilling Company, Inc

DRILLER: B. Adkins

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH BGS	SOIL BORING	SAMPLE				
				NUMBER	INTERVAL	REC (%)	CHLORIDE (mg/kg)	
70	SP-SAND, with silt, fine to medium grained, light brown, slightly damp	70.00						
75								
80								
85								
90								
95								
100								
105								
107.50	END OF BOREHOLE @ 107.50ft BGS	107.50						
110	DTW Well was left open for 72 hours to determine presence or absence of groundwater by utilization of a water level meter. No groundwater was present.							
115								
120								
125								

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

File: I:\LOG DATABASE\8-CHAR\11-1122-11229322 NIX11229322 CO. GPJ Library File: GHD_ENVIRO_V06.GLB Report: OVERBURDEN LOG Date: 1/13/22



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) RA-13120 POD 6 (DTW)		WELL TAG ID NO.		OSE FILE NO(S). RA-13120			
	WELL OWNER NAME(S) EOG Resources Inc.				PHONE (OPTIONAL) 575-703-6537			
	WELL OWNER MAILING ADDRESS 105 S. 4th Street				CITY Artesia	STATE NM	ZIP 88210	
	WELL LOCATION (FROM GPS)	DEGREES 32	MINUTES 43	SECONDS 02.90	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LONGITUDE 104	25	48.14	W	* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE Nix Curtis								
2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1456		NAME OF LICENSED DRILLER John W. White			NAME OF WELL DRILLING COMPANY White Drilling Company, Inc.		
	DRILLING STARTED 12/14/2021		DRILLING ENDED 12/21/2021		DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT) 106'	DEPTH WATER FIRST ENCOUNTERED (FT) DRY	
	COMPLETED WELL IS: ☐ ARTESIAN ☒ DRY HOLE ☐ SHALLOW (UNCONFINED)						STATIC WATER LEVEL IN COMPLETED WELL (FT) DRY	
	DRILLING FLUID: ☒ AIR ☐ MUD ADDITIVES – SPECIFY:							
	DRILLING METHOD: ☒ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
	0.0	106.0	6.0	Type 1 Cement-Bentonite Slurry	20.80	Pump Mix w/Trimie Pipe		

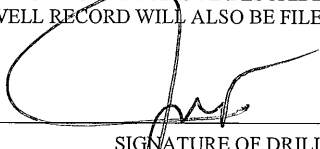
FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0.0	4.0	4.0	Brown silty clayey sand	Y ✓ N	
	4.0	12.0	8.0	Tan silty sandy clay	Y ✓ N	
	12.0	17.0	5.0	Brown sandy clay	Y ✓ N	
	17.0	20.0	3.0	Tan sandstone/sand	Y ✓ N	
	20.0	23.0	3.0	Yellow brown sand/sandstone	Y ✓ N	
	23.0	25.0	2.0	Tan sand w/gravel	Y ✓ N	
	25.0	32.0	7.0	Tan/brown sandy clay	Y ✓ N	
	32.0	38.0	6.0	Brown sand/sandy clay	Y ✓ N	
	38.0	40.0	2.0	Brown sandy clay w/gravel mixed	Y ✓ N	
	40.0	55.0	15.0	Brown sandy clay	Y ✓ N	
	55.0	65.0	10.0	Gravel w/brown sand	Y ✓ N	
	65.0	66.0	1.0	Tan/brown sand/sandstone	Y ✓ N	
	66.0	68.0	2.0	Brown sand w/gravel mixed	Y ✓ N	
	68.0	105.0	37.0	Red brown sand/sandstone	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: ☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER - SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION:	
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: William B. Atkins	

6. SIGNATURE	BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.	
	 _____ SIGNATURE OF DRILLER / PRINT SIGNEE NAME	John W. White _____ DATE

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/2019)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 2 OF 2

Nix Curtis BH Battery

Karst Potential Map

Legend

-  High
-  Low
-  Medium
-  Nix Curtis BH Battery

Nix Curtis BH Battery

38

38



4000 ft

Google Earth

Nix Curtis BH Battery



12/16/2021, 8:38:43 AM

GIS WATERS PODs

Active

Pending

OSE District Boundary

Water Right Regulations

Closure Area

New Mexico State Trust Lands

Both Estates

SiteBoundaries

1:18,056

00.170.350.7 mi

00.30.61.2 km

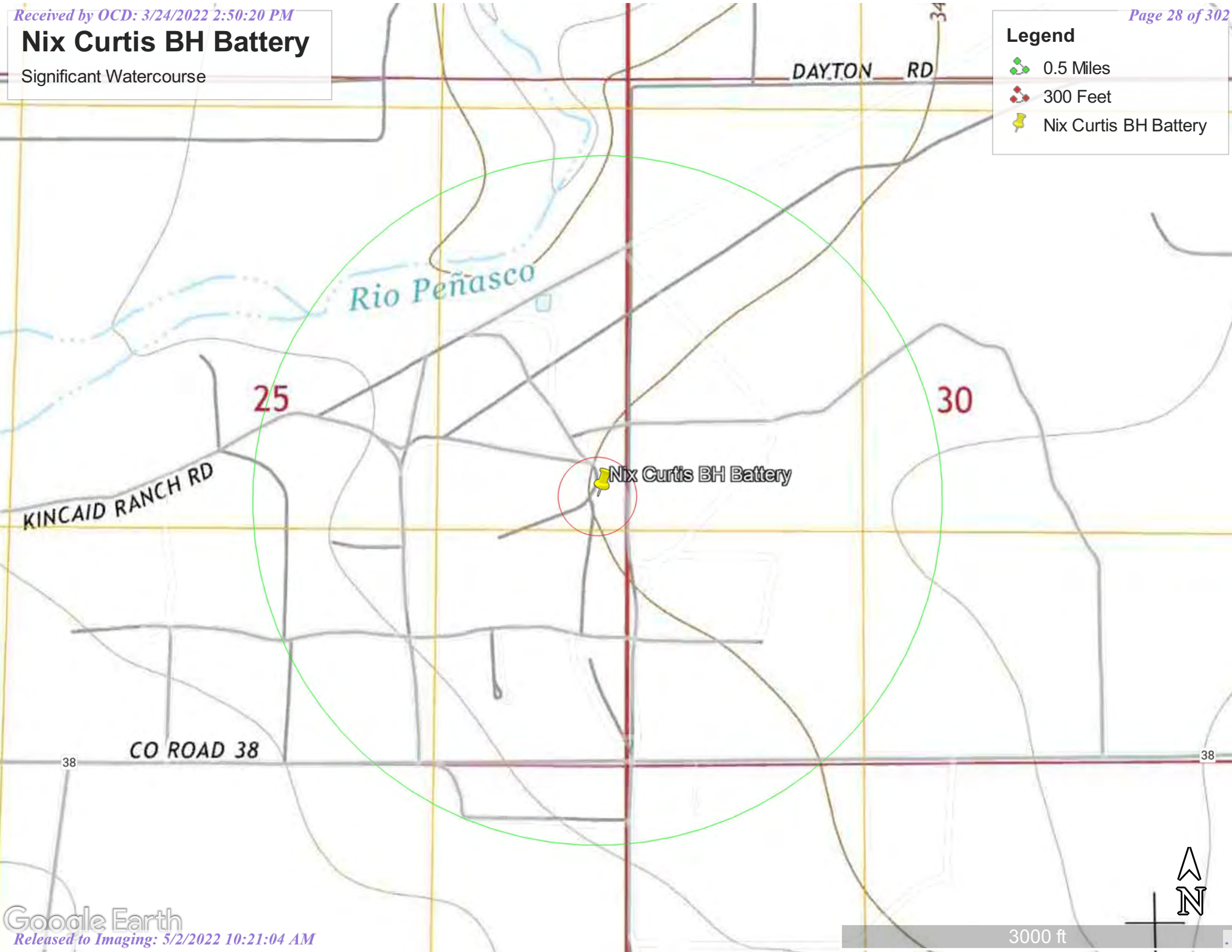
Esri, HERE, iPC, U.S. Department of Energy Office of Legacy Management, Esri, HERE, Garmin, iPC, Maxar

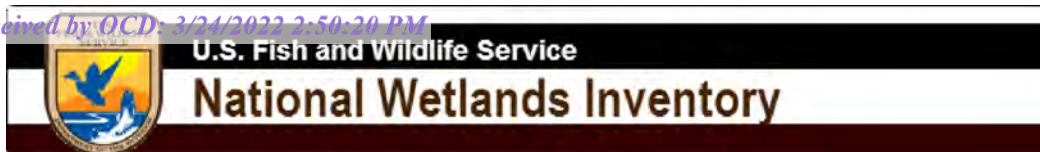
Nix Curtis BH Battery

Significant Watercourse

Legend

- 0.5 Miles
- 300 Feet
- Nix Curtis BH Battery





Nix Curtis BH Battery



December 16, 2021

Wetlands

-  Estuarine and Marine Deepwater
-  Estuarine and Marine Wetland

-  Freshwater Emergent Wetland
-  Freshwater Forested/Shrub Wetland
-  Freshwater Pond

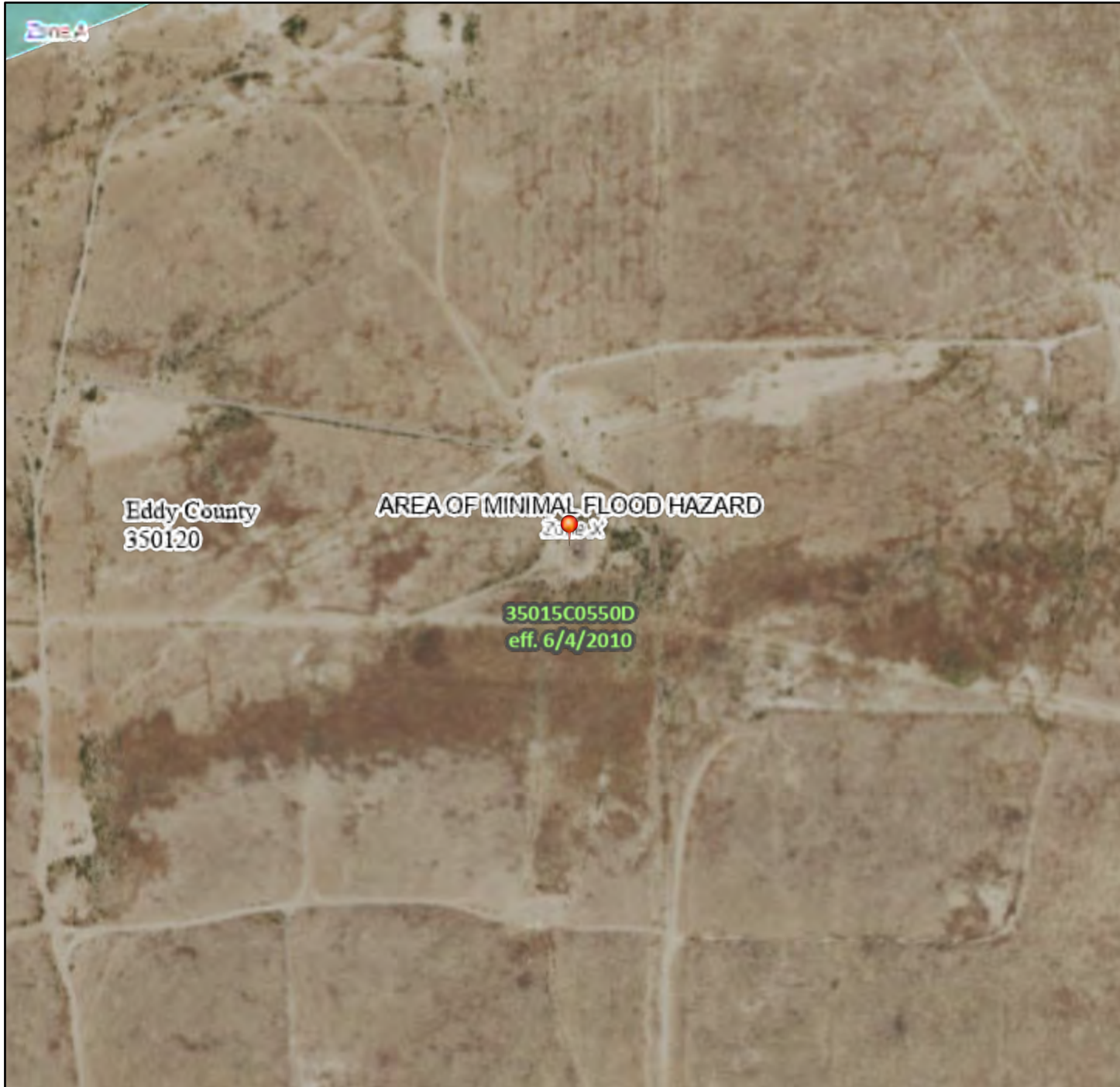
-  Lake
-  Other
-  Riverine

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

National Flood Hazard Layer FIRMette



104°26'8"W 32°43'17"N



Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **12/16/2021 at 9:44 AM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

Attachment B

Soil Boring Logs



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 2

PROJECT NAME: Nix Curtis BH Battery

HOLE DESIGNATION: SB-1

PROJECT NUMBER: 11229322

DATE COMPLETED: December 15, 2021

CLIENT: EOG Resources

DRILLING METHOD: Air Rotary/Split Spoons

LOCATION: Artesia, New Mexico

FIELD PERSONNEL: L. Mullins

DRILLING CONTRACTOR: White Drilling Company, Inc

DRILLER: B. Adkins

File: I:\LOG DATABASE\8-CHAR\11-1122-1\11229322 NIX11229322-CO.GPJ Library File: GHD_ENVIRO_V06.GLB Report: OVERBURDEN LOG Date: 1/13/22

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH BGS	SOIL BORING	SAMPLE				
				NUMBER	INTERVAL	REC (%)	CHLORIDE (mg/kg)	TOTAL TPH (mg/kg)
5	SM-SILTY SAND, with clay, gray and black, dry			5'		100	890	8760
10				10'		100	610	4030
15				15'		100	640	650
17.00	SM-SILTY SAND, gray and black, dry	17.00		20'		100	1000	2700
25	CL-SILTY CLAY, with gravel interbedded throughout, gray, dry	25.00		25'		100	2400	430
30				30'		100	3600	1189
32.00	CL-SILTY CLAY, light brown, slightly moist	32.00		35'		100	4100	1540
35				40'		100	5100	1402
40				45'		100	6400	<47
42.00	CL-SANDY CLAY, light brown, dry	42.00		50'		100	4700	196
45				60'		100	1700	20
50	SM-SILTY SAND, with rock interbedded throughout, dry	52.00						
55								
60								
63.00	SM-SILTY SAND, with consolidated rock	63.00						

 Backfilled With
Cement Grout

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

CHEMICAL ANALYSIS



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 2 of 2

PROJECT NAME: Nix Curtis BH Battery

HOLE DESIGNATION: SB-1

PROJECT NUMBER: 11229322

DATE COMPLETED: December 15, 2021

CLIENT: EOG Resources

DRILLING METHOD: Air Rotary/Split Spoons

LOCATION: Artesia, New Mexico

FIELD PERSONNEL: L. Mullins

DRILLING CONTRACTOR: White Drilling Company, Inc

DRILLER: B. Adkins

File: I:\LOG DATABASE\8-CHAR\11-1122-11229322 NIX11229322-CO.GPJ Library File: GHD_ENVIRO_V06.GLB Report: OVERBURDEN LOG Date: 1/13/22

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH BGS	SOIL BORING	SAMPLE				
				NUMBER	INTERVAL	REC (%)	CHLORIDE (mg/kg)	TOTAL TPH (mg/kg)
70	SP-SAND, fine to medium grained, light brown	70.00		70'		100	2200	<47
75						100		
80				80'		1500	<45	
85						100		
90				90'		1600	<48	
95						100		
100				100'		1500	<49	
105						100		
110				110'		880	<47	
115						100		
120				120'		280	<45	
125				125'		110	<46	
	END OF BOREHOLE @ 125.00ft BGS	125.00						

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

CHEMICAL ANALYSIS



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 2

PROJECT NAME: Nix Curtis BH Battery

HOLE DESIGNATION: SB-2

PROJECT NUMBER: 11229322

DATE COMPLETED: December 16, 2021

CLIENT: EOG Resources

DRILLING METHOD: Air Rotary/Split Spoons

LOCATION: Artesia, New Mexico

FIELD PERSONNEL: L. Mullins

DRILLING CONTRACTOR: White Drilling Company, Inc

DRILLER: B. Adkins

File: I:\LOG DATABASE\8-CHAR\11-1122-11229322 NIX11229322-CO.GPJ Library File: GHD_ENVIRO_V06.GLB Report: OVERBURDEN LOG Date: 1/13/22

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH BGS	SOIL BORING	SAMPLE				
				NUMBER	INTERVAL	REC (%)	CHLORIDE (mg/kg)	TOTAL TPH (mg/kg)
5	CL-SILTY CLAY, gray, slightly moist, odor			5'		100	2000	510
10	- no odor at 10.00ft BGS			10'		100	3500	310
15				15'		100	1000	<49
20				20'		100	970	<50
25	SM-SILTY SAND, light brown, slightly moist	24.00		25'		100	6100	<45
30				30'		100	6100	<44
35	SP-SAND, fine to medium grained, light brown, dry	33.00		35'		100	3700	<45
40				40'		100	3600	<45
45	SM-SILTY SAND, with gravel interbedded throughout, dry	43.00		45'		100	2300	<44
50				50'		100	5200	<45
55	SP-SAND, light brown, dry	52.00				100		
60				60'			300	<49

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Cement Grout

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

CHEMICAL ANALYSIS



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 2 of 2

PROJECT NAME: Nix Curtis BH Battery

HOLE DESIGNATION: SB-2

PROJECT NUMBER: 11229322

DATE COMPLETED: December 16, 2021

CLIENT: EOG Resources

DRILLING METHOD: Air Rotary/Split Spoons

LOCATION: Artesia, New Mexico

FIELD PERSONNEL: L. Mullins

DRILLING CONTRACTOR: White Drilling Company, Inc

DRILLER: B. Adkins

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH BGS	SOIL BORING	SAMPLE				
				NUMBER	INTERVAL	REC (%)	CHLORIDE (mg/kg)	TOTAL TPH (mg/kg)
70				70'		100	1600	<47
75						100		
80				80'		<60		<42
85				85'		<60		<49
90	END OF BOREHOLE @ 90.00ft BGS	90.00		90'		<60		346
95								
100								
105								
110								
115								
120								
125								

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

CHEMICAL ANALYSIS



File: I:\LOG DATABASE\8-CHAR\11-1122-11229322 NIX11229322-CO.GPJ Library File: GHD_ENVIRO_V06.GLB Report: OVERBURDEN LOG Date: 1/13/22



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Nix Curtis BH Battery

HOLE DESIGNATION: SB-3

PROJECT NUMBER: 11229322

DATE COMPLETED: December 16, 2021

CLIENT: EOG Resources

DRILLING METHOD: Air Rotary/Split Spoons

LOCATION: Artesia, New Mexico

FIELD PERSONNEL: L. Mullins

DRILLING CONTRACTOR: White Drilling Company, Inc

DRILLER: B. Adkins

File: I:\LOG DATABASE\8-CHAR\11-1122-11229322 NIX11229322-CO.GPJ Library File: GHD_ENVIRO_V06.GLB Report: OVERBURDEN LOG Date: 1/13/22

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH BGS	SOIL BORING	SAMPLE				
				NUMBER	INTERVAL	REC (%)	CHLORIDE (mg/kg)	TOTAL TPH (mg/kg)
5	CL-SILTY CLAY, light brown, dry			5'		100	890	<49
10				10'		100	3800	<47
15				15'		100	3000	<47
	ML-SANDY SILT, with clay, orangish brown, dry	16.00				100		
20	CL-SILTY CLAY, with caliche interbedded throughout, light brown, dry	19.00		20'		100	3600	<43
25				25'		100	1800	<46
30				30'		100	210	<48
35	CL-SILTY CLAY, with sand, with rock interbedded throughout, light brown, dry	32.00		35'		100	110	<49
40	END OF BOREHOLE @ 40.00ft BGS	40.00		40'		100	110	<50

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Cement Grout

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

CHEMICAL ANALYSIS



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Nix Curtis BH Battery

HOLE DESIGNATION: SB-4

PROJECT NUMBER: 11229322

DATE COMPLETED: December 16, 2021

CLIENT: EOG Resources

DRILLING METHOD: Air Rotary/Split Spoons

LOCATION: Artesia, New Mexico

FIELD PERSONNEL: L. Mullins

DRILLING CONTRACTOR: White Drilling Company, Inc

DRILLER: B. Adkins

File: I:\LOG DATABASE\8-CHAR\11-1122-11229322 NIX11229322-CO.GPJ Library File: GHD_ENVIRO_V06.GLB Report: OVERBURDEN LOG Date: 1/13/22

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH BGS	SOIL BORING	SAMPLE				
				NUMBER	INTERVAL	REC (%)	CHLORIDE (mg/kg)	TOTAL TPH (mg/kg)
5	CL-SILTY CLAY, light gray and brown, dry			5'		100	5400	<49
10				10'		100	6000	<50
15				15'		100	5400	<46
20				20'		100	4600	<47
25				25'		100	810	<47
30	CL-CLAY, with silt, light brown, dry	28.00		30'		100	320	<49
35		35.00		35'		100	260	<49
40	END OF BOREHOLE @ 35.00ft BGS							
45								
50								
55								
60								

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Cement Grout

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

CHEMICAL ANALYSIS



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Nix Curtis BH Battery

HOLE DESIGNATION: SB-5

PROJECT NUMBER: 11229322

DATE COMPLETED: December 16, 2021

CLIENT: EOG Resources

DRILLING METHOD: Air Rotary/Split Spoons

LOCATION: Artesia, New Mexico

FIELD PERSONNEL: L. Mullins

DRILLING CONTRACTOR: White Drilling Company, Inc

DRILLER: B. Adkins

File: I:\LOG DATABASE\8-CHAR\11-1122-11229322 NIX11229322-CO.GPJ Library File: GHD_ENVIRO_V06.GLB Report: OVERBURDEN LOG Date: 1/13/22

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH BGS	SOIL BORING	SAMPLE				
				NUMBER	INTERVAL	REC (%)	CHLORIDE (mg/kg)	TOTAL TPH (mg/kg)
5	SP-SAND, fine to medium grained, light brown, dry					100		
		6.00		5'			2800	<46
10	CL-SILTY CLAY, light brown, dry					100		
				10'			1700	<46
15						100		
		17.00		15'			720	<42
20	CL-CLAY, with silt, consolidated, light brown and gray, dry					100		
		22.00		20'			220	<49
25	CL-SILTY CLAY, with rock interbedded throughout, light brown, dry					100		
		25.00		25'			320	<47
	END OF BOREHOLE @ 25.00ft BGS							

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Cement Grout

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

CHEMICAL ANALYSIS



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

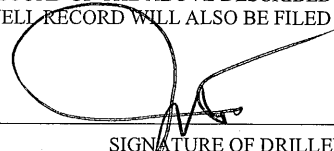
www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) RA-13120 POD 5 (SB-5)		WELL TAG ID NO.		OSE FILE NO(S) RA-13120			
	WELL OWNER NAME(S) EOG Resources Inc.				PHONE (OPTIONAL) 575-703-6537			
	WELL OWNER MAILING ADDRESS 105 S. 4th Street				CITY Artesia	STATE NM	ZIP 88210	
	WELL LOCATION (FROM GPS)	DEGREES 32	MINUTES 43	SECONDS 05.99	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LONGITUDE 104	25	50.35	W	* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE Nix Curtis								
2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1456		NAME OF LICENSED DRILLER John W. White			NAME OF WELL DRILLING COMPANY White Drilling Company, Inc.		
	DRILLING STARTED 12/16/2021		DRILLING ENDED 12/16/2021		DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT) 25.0	DEPTH WATER FIRST ENCOUNTERED (FT) DRY	
	COMPLETED WELL IS: ☐ ARTESIAN ☒ DRY HOLE ☐ SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) DRY		
	DRILLING FLUID: ☒ AIR ☐ MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: ☒ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER - SPECIFY:							
	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	0.0 25.0		6.0	Type 1 Cement-Bentonite Slurry	4.90	Pump Mix w/Trimie Pipe		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2

	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO				
4. HYDROGEOLOGIC LOG OF WELL	0.0	6.0	6.0	Brown sand/clayey sand	Y ✓ N	
	6.0	16.0	10.0	Gray brown sandy clay	Y ✓ N	
	16.0	24.0	8.0	Brown sandy clay w/gravel mixed	Y ✓ N	
	24.0	25.0	1.0	Gravel w/brown clay	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
	METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: ☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY: _____				TOTAL ESTIMATED WELL YIELD (gpm):	0.00
	5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.			
MISCELLANEOUS INFORMATION:						
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: William B. Atkins						
6. SIGNATURE	BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.					
	 _____ SIGNATURE OF DRILLER / PRINT SIGNEE NAME				01/04/2022 _____ DATE	

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 04/30/2019)	
FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO	PAGE 2 OF 2



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

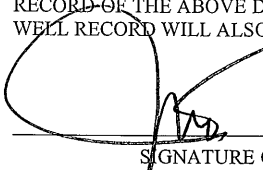
www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) RA-13120 POD 4 (SB-4)		WELL TAG ID NO.		OSE FILE NO(S). RA-13120			
	WELL OWNER NAME(S) EOG Resources Inc.				PHONE (OPTIONAL) 575-703-6537			
	WELL OWNER MAILING ADDRESS 105 S. 4th Street				CITY Artesia	STATE NM	ZIP 88210	
	WELL LOCATION (FROM GPS)	DEGREES 32	MINUTES 43	SECONDS 03.88	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LONGITUDE 104	25	49.31	W	* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE Nix Curtis								
2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1456		NAME OF LICENSED DRILLER John W. White			NAME OF WELL DRILLING COMPANY White Drilling Company, Inc.		
	DRILLING STARTED 12/16/2021	DRILLING ENDED 12/16/2021	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT) 35.0	DEPTH WATER FIRST ENCOUNTERED (FT) DRY			
	COMPLETED WELL IS: ☐ ARTESIAN ☒ DRY HOLE ☐ SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) DRY			
	DRILLING FLUID: ☒ AIR ☐ MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: ☒ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER - SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
	0.0	35.0	6.0	Type 1 Cement-Bentonite Slurry	6.87	Pump Mix w/Trimie Pipe		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0.0	4.0	4.0	Brown silty sandy clay	Y ✓ N	
	4.0	6.0	2.0	Green tan silty clayey sand	Y ✓ N	
	6.0	12.0	6.0	Green brown sandy clay	Y ✓ N	
	12.0	20.0	8.0	Brown sandy clay	Y ✓ N	
	20.0	25.0	5.0	Light tan silty clay	Y ✓ N	
	25.0	31.0	6.0	Gray brown clay	Y ✓ N	
	31.0	35.0	4.0	Brown silty sandy clay	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	
☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:						
5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.				
	MISCELLANEOUS INFORMATION: Chlorides present					
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: William B. Atkins					
6. SIGNATURE	BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.					
	 _____ SIGNATURE OF DRILLER / PRINT SIGNEE NAME				John W. White _____ DATE	

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/2019)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 2 OF 2



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

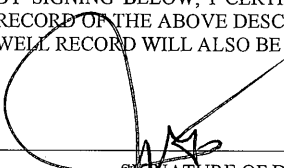
www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) RA-13120 POD 3 (SB-3)		WELL TAG ID NO.		OSE FILE NO(S). RA-13120			
	WELL OWNER NAME(S) EOG Resources Inc.				PHONE (OPTIONAL) 575-703-6537			
	WELL OWNER MAILING ADDRESS 105 S. 4th Street				CITY Artesia	STATE NM	ZIP 88210	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 43	SECONDS 02.56 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84			
		LONGITUDE 104	25	46.77 W				
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE Nix Curtis								
2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1456		NAME OF LICENSED DRILLER John W. White			NAME OF WELL DRILLING COMPANY White Drilling Company, Inc.		
	DRILLING STARTED 12/16/2021		DRILLING ENDED 12/16/2021		DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT) 40.0	DEPTH WATER FIRST ENCOUNTERED (FT) DRY	
	COMPLETED WELL IS: ☐ ARTESIAN ☒ DRY HOLE ☐ SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) DRY		
	DRILLING FLUID: ☒ AIR ☐ MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: ☒ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER - SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
	0.0	40.0	6.0	Type 1 Cement-Bentonite Slurry	7.85	Pump Mix w/Trimie Pipe		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)	
	FROM	TO					
	0.0	2.0	2.0	Brown silty sandy clay	Y ✓ N		
	2.0	13.0	11.0	Gray brown silty clay	Y ✓ N		
	13.0	19.0	6.0	Light tan silty sandy clay/sandstone	Y ✓ N		
	19.0	23.0	4.0	Light brown silty clayey sand	Y ✓ N		
	23.0	25.0	2.0	Yellow brown silty clay w/gravel mixed	Y ✓ N		
	25.0	29.0	4.0	Light tan silty clay w/gravel	Y ✓ N		
	29.0	40.0	11.0	Brown sand/clayey sand	Y ✓ N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
	METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: ☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER - SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	
	5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.				
MISCELLANEOUS INFORMATION: Chlorides present							
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: William B. Atkins							
6. SIGNATURE	BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.						
	 _____ SIGNATURE OF DRILLER / PRINT SIGNEE NAME				John W. White 01/04/2022 _____ DATE		

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 04/30/2019)	
FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO	PAGE 2 OF 2



WELL RECORD & LOG

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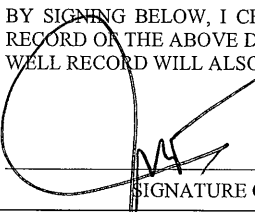
www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) RA-13120 POD 2 (SB-2)		WELL TAG ID NO.		OSE FILE NO(S). RA-13120			
	WELL OWNER NAME(S) EOG Resources Inc.				PHONE (OPTIONAL) 575-703-6537			
	WELL OWNER MAILING ADDRESS 105 S. 4th Street				CITY Artesia	STATE NM	ZIP 88210	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE	MINUTES 43	SECONDS 01.55	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84		
		LONGITUDE	104	25	47.36			W
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE Nix Curtis								
2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1456		NAME OF LICENSED DRILLER John W. White			NAME OF WELL DRILLING COMPANY White Drilling Company, Inc.		
	DRILLING STARTED 12/16/2021		DRILLING ENDED 12/16/2021		DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT) 90.0	DEPTH WATER FIRST ENCOUNTERED (FT) DRY	
	COMPLETED WELL IS: ☐ ARTESIAN ☒ DRY HOLE ☐ SHALLOW (UNCONFINED)						STATIC WATER LEVEL IN COMPLETED WELL (FT) DRY	
	DRILLING FLUID: ☒ AIR ☐ MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: ☒ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER - SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
	0.0	90.0	6.0	Type 1 Cement-Bentonite Slurry	17.6	Pump Mix w/Trimie Pipe		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO.		POD NO.	TRN NO.
LOCATION		WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0.0	2.0	2.0	Brown sandy clay	Y ✓ N	
	2.0	11.0	9.0	Gray stained sandy clay	Y ✓ N	
	11.0	14.0	3.0	Light tan silty clay	Y ✓ N	
	14.0	26.0	12.0	Light tan silty clay w/gravel mixed	Y ✓ N	
	26.0	31.0	5.0	Tan green silty clay	Y ✓ N	
	31.0	50.0	19.0	Brown silty clay	Y ✓ N	
	50.0	52.0	2.0	Light brown silty sand w/gravel	Y ✓ N	
	52.0	90.0	38.0	Red brown sand/sandstone	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	
☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:						
5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.				
	MISCELLANEOUS INFORMATION: Hydrocarbon and Chlorides present					
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: William B. Atkins					
6. SIGNATURE	BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.					
	 _____ SIGNATURE OF DRILLER / PRINT SIGNEE NAME				John W. White _____ DATE	

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/2019)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 2 OF 2



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

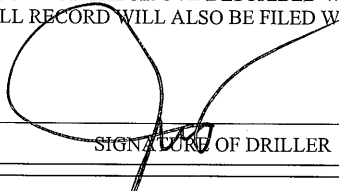
www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) RA-13120 POD 1 (SB-1)		WELL TAG ID NO.		OSE FILE NO(S). RA-13120			
	WELL OWNER NAME(S) EOG Resources Inc.				PHONE (OPTIONAL) 575-703-6537			
	WELL OWNER MAILING ADDRESS 105 S. 4th Street				CITY Artesia	STATE NM	ZIP 88210	
	WELL LOCATION (FROM GPS)	DEGREES 32	MINUTES 43	SECONDS 01.78	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84		
		LONGITUDE 104	25	48.76	W			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE Nix Curtis								
2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1456		NAME OF LICENSED DRILLER John W. White			NAME OF WELL DRILLING COMPANY White Drilling Company, Inc.		
	DRILLING STARTED 12/14/2021		DRILLING ENDED 12/16/2021		DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT) 125'	DEPTH WATER FIRST ENCOUNTERED (FT) DRY	
	COMPLETED WELL IS: ☐ ARTESIAN ☒ DRY HOLE ☐ SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) DRY		
	DRILLING FLUID: ☒ AIR ☐ MUD ADDITIVES – SPECIFY:							
	DRILLING METHOD: ☒ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
	0.0	125.0	6.0	Type 1 Cement-Bentonite Slurry	24.5	Pump Mix w/Trimie Pipe		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO.		POD NO.		TRN NO.	
LOCATION			WELL TAG ID NO.		PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0.0	2.0	2.0	Brown silty sand	Y ✓ N	
	2.0	5.0	3.0	Dark gray/black stained clay	Y ✓ N	
	5.0	13.0	8.0	Gray stained silty sandy clay	Y ✓ N	
	13.0	27.0	14.0	Brown gray clay	Y ✓ N	
	27.0	30.5	3.5	Tan brown sand w/gravel	Y ✓ N	
	30.5	33.0	2.5	Brown sandy clay	Y ✓ N	
	33.0	48.0	15.0	Brown clayey sand w/gravel mixed	Y ✓ N	
	48.0	52.0	4.0	Yellow brown sand/sandstone	Y ✓ N	
	52.0	61.0	9.0	Brown and gray sandstone	Y ✓ N	
	61.0	125.0	64.0	Brown/red brown sand/sandstone	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED WELL YIELD (gpm):	
☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER - SPECIFY:					0.00	
5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.				
	MISCELLANEOUS INFORMATION: Hydrocarbon and Chlorides present					
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: William B. Atkins					
6. SIGNATURE	BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.					
	 _____ SIGNATURE OF DRILLER / PRINT SIGNEE NAME				John W. White _____ DATE	

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/2019)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 2 OF 2

Attachment C

Laboratory Analytical Reports and Chain-of-Custody Documentation



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

June 30, 2021

Tom Larson

GHD

6121 Indian School Road, NE #200

Albuquerque, NM 87110

TEL: (505) 884-0672

FAX

RE: Nix Curtis BH Battery

OrderNo.: 2106819

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 23 sample(s) on 6/16/2021 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order: 2106819

Date Reported: 6/30/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Lab Order: 2106819

Project: Nix Curtis BH Battery

Lab ID: 2106819-001

Collection Date: 6/14/2021 9:15:00 AM

Client Sample ID: TP1-8

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	2300	150		mg/Kg	50	6/28/2021 8:57:46 AM	60747
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	5000	190		mg/Kg	20	6/19/2021 5:33:45 AM	60694
Motor Oil Range Organics (MRO)	2600	950		mg/Kg	20	6/19/2021 5:33:45 AM	60694
Surr: DNOP	0	70-130	S	%Rec	20	6/19/2021 5:33:45 AM	60694
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	580	25		mg/Kg	5	6/19/2021 8:41:00 AM	60684
Surr: BFB	357	70-130	S	%Rec	5	6/19/2021 8:41:00 AM	60684
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	0.84	0.12		mg/Kg	5	6/19/2021 8:41:00 AM	60684
Toluene	0.83	0.25		mg/Kg	5	6/19/2021 8:41:00 AM	60684
Ethylbenzene	8.9	0.25		mg/Kg	5	6/19/2021 8:41:00 AM	60684
Xylenes, Total	23	0.50		mg/Kg	5	6/19/2021 8:41:00 AM	60684
Surr: 4-Bromofluorobenzene	204	70-130	S	%Rec	5	6/19/2021 8:41:00 AM	60684

Lab ID: 2106819-002

Collection Date: 6/14/2021 10:20:00 AM

Client Sample ID: TP1-15

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	4900	150		mg/Kg	50	6/28/2021 10:24:37 AM	60747
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	2900	100		mg/Kg	10	6/19/2021 5:58:13 AM	60694
Motor Oil Range Organics (MRO)	1400	500		mg/Kg	10	6/19/2021 5:58:13 AM	60694
Surr: DNOP	0	70-130	S	%Rec	10	6/19/2021 5:58:13 AM	60694
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	82	4.9		mg/Kg	1	6/19/2021 9:01:00 AM	60684
Surr: BFB	371	70-130	S	%Rec	1	6/19/2021 9:01:00 AM	60684
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	0.096	0.025		mg/Kg	1	6/19/2021 9:01:00 AM	60684
Toluene	ND	0.049		mg/Kg	1	6/19/2021 9:01:00 AM	60684
Ethylbenzene	1.5	0.049		mg/Kg	1	6/19/2021 9:01:00 AM	60684
Xylenes, Total	1.4	0.098		mg/Kg	1	6/19/2021 9:01:00 AM	60684
Surr: 4-Bromofluorobenzene	193	70-130	S	%Rec	1	6/19/2021 9:01:00 AM	60684

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

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

Analytical Report

Lab Order: 2106819

Date Reported: 6/30/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Lab Order: 2106819

Project: Nix Curtis BH Battery

Lab ID: 2106819-003

Collection Date: 6/14/2021 10:30:00 AM

Client Sample ID: TP1-20

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	3000	150		mg/Kg	50	6/28/2021 9:22:35 AM	60747
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	1400	92		mg/Kg	10	6/19/2021 6:22:49 AM	60694
Motor Oil Range Organics (MRO)	640	460		mg/Kg	10	6/19/2021 6:22:49 AM	60694
Surr: DNOP	0	70-130	S	%Rec	10	6/19/2021 6:22:49 AM	60694
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	73	4.8		mg/Kg	1	6/19/2021 9:21:00 AM	60684
Surr: BFB	401	70-130	S	%Rec	1	6/19/2021 9:21:00 AM	60684
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	0.029	0.024		mg/Kg	1	6/19/2021 9:21:00 AM	60684
Toluene	ND	0.048		mg/Kg	1	6/19/2021 9:21:00 AM	60684
Ethylbenzene	1.3	0.048		mg/Kg	1	6/19/2021 9:21:00 AM	60684
Xylenes, Total	0.64	0.096		mg/Kg	1	6/19/2021 9:21:00 AM	60684
Surr: 4-Bromofluorobenzene	219	70-130	S	%Rec	1	6/19/2021 9:21:00 AM	60684

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

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

Analytical Report

Lab Order: 2106819

Date Reported: 6/30/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Lab Order: 2106819

Project: Nix Curtis BH Battery

Lab ID: 2106819-004

Collection Date: 6/14/2021 10:45:00 AM

Client Sample ID: TP2-S

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	6/25/2021 9:58:32 PM	60747
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	6/25/2021 8:59:00 AM	60694
Motor Oil Range Organics (MRO)	49	49		mg/Kg	1	6/25/2021 8:59:00 AM	60694
Surr: DNOP	77.1	70-130		%Rec	1	6/25/2021 8:59:00 AM	60694
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/19/2021 9:41:00 AM	60684
Surr: BFB	112	70-130		%Rec	1	6/19/2021 9:41:00 AM	60684
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.023		mg/Kg	1	6/19/2021 9:41:00 AM	60684
Toluene	ND	0.047		mg/Kg	1	6/19/2021 9:41:00 AM	60684
Ethylbenzene	ND	0.047		mg/Kg	1	6/19/2021 9:41:00 AM	60684
Xylenes, Total	ND	0.094		mg/Kg	1	6/19/2021 9:41:00 AM	60684
Surr: 4-Bromofluorobenzene	85.9	70-130		%Rec	1	6/19/2021 9:41:00 AM	60684

Lab ID: 2106819-005

Collection Date: 6/14/2021 11:00:00 AM

Client Sample ID: TP2-2

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	97	61		mg/Kg	20	6/25/2021 10:10:57 PM	60747
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	6/19/2021 7:11:48 AM	60694
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/19/2021 7:11:48 AM	60694
Surr: DNOP	84.5	70-130		%Rec	1	6/19/2021 7:11:48 AM	60694
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/19/2021 10:01:00 AM	60684
Surr: BFB	98.6	70-130		%Rec	1	6/19/2021 10:01:00 AM	60684
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	6/19/2021 10:01:00 AM	60684
Toluene	ND	0.048		mg/Kg	1	6/19/2021 10:01:00 AM	60684
Ethylbenzene	ND	0.048		mg/Kg	1	6/19/2021 10:01:00 AM	60684
Xylenes, Total	ND	0.097		mg/Kg	1	6/19/2021 10:01:00 AM	60684
Surr: 4-Bromofluorobenzene	83.5	70-130		%Rec	1	6/19/2021 10:01:00 AM	60684

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

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

Analytical Report

Lab Order: 2106819

Date Reported: 6/30/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Lab Order: 2106819

Project: Nix Curtis BH Battery

Lab ID: 2106819-006

Collection Date: 6/14/2021 11:30:00 AM

Client Sample ID: TP3-S

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	420	60		mg/Kg	20	6/25/2021 10:23:22 PM	60747
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	280	45		mg/Kg	5	6/21/2021 10:39:03 PM	60694
Motor Oil Range Organics (MRO)	640	220		mg/Kg	5	6/21/2021 10:39:03 PM	60694
Surr: DNOP	88.6	70-130		%Rec	5	6/21/2021 10:39:03 PM	60694
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/19/2021 10:21:00 AM	60684
Surr: BFB	98.3	70-130		%Rec	1	6/19/2021 10:21:00 AM	60684
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	6/19/2021 10:21:00 AM	60684
Toluene	ND	0.048		mg/Kg	1	6/19/2021 10:21:00 AM	60684
Ethylbenzene	ND	0.048		mg/Kg	1	6/19/2021 10:21:00 AM	60684
Xylenes, Total	ND	0.097		mg/Kg	1	6/19/2021 10:21:00 AM	60684
Surr: 4-Bromofluorobenzene	82.8	70-130		%Rec	1	6/19/2021 10:21:00 AM	60684

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

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

Analytical Report

Lab Order: 2106819

Date Reported: 6/30/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Lab Order: 2106819

Project: Nix Curtis BH Battery

Lab ID: 2106819-007

Collection Date: 6/14/2021 11:35:00 AM

Client Sample ID: TP3-2

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	130	60		mg/Kg	20	6/25/2021 11:00:37 PM	60747
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	24	20		mg/Kg	2	6/21/2021 11:03:28 PM	60694
Motor Oil Range Organics (MRO)	470	98		mg/Kg	2	6/21/2021 11:03:28 PM	60694
Surr: DNOP	89.1	70-130		%Rec	2	6/21/2021 11:03:28 PM	60694
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/19/2021 10:41:00 AM	60684
Surr: BFB	102	70-130		%Rec	1	6/19/2021 10:41:00 AM	60684
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	6/19/2021 10:41:00 AM	60684
Toluene	ND	0.048		mg/Kg	1	6/19/2021 10:41:00 AM	60684
Ethylbenzene	ND	0.048		mg/Kg	1	6/19/2021 10:41:00 AM	60684
Xylenes, Total	ND	0.097		mg/Kg	1	6/19/2021 10:41:00 AM	60684
Surr: 4-Bromofluorobenzene	83.2	70-130		%Rec	1	6/19/2021 10:41:00 AM	60684

Lab ID: 2106819-008

Collection Date: 6/14/2021 12:15:00 PM

Client Sample ID: TP4-4

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	1800	60		mg/Kg	20	6/25/2021 11:13:02 PM	60747
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	4600	190		mg/Kg	20	6/18/2021 2:59:41 PM	60695
Motor Oil Range Organics (MRO)	2300	930		mg/Kg	20	6/18/2021 2:59:41 PM	60695
Surr: DNOP	0	70-130	S	%Rec	20	6/18/2021 2:59:41 PM	60695
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	75	24		mg/Kg	5	6/18/2021 4:36:08 PM	60690
Surr: BFB	234	70-130	S	%Rec	5	6/18/2021 4:36:08 PM	60690
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.12		mg/Kg	5	6/18/2021 4:36:08 PM	60690
Toluene	ND	0.24		mg/Kg	5	6/18/2021 4:36:08 PM	60690
Ethylbenzene	0.28	0.24		mg/Kg	5	6/18/2021 4:36:08 PM	60690
Xylenes, Total	0.54	0.48		mg/Kg	5	6/18/2021 4:36:08 PM	60690
Surr: 4-Bromofluorobenzene	110	70-130		%Rec	5	6/18/2021 4:36:08 PM	60690

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

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

Analytical Report

Lab Order: 2106819

Date Reported: 6/30/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Lab Order: 2106819

Project: Nix Curtis BH Battery

Lab ID: 2106819-009

Collection Date: 6/14/2021 12:20:00 PM

Client Sample ID: TP4-8

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	910	60		mg/Kg	20	6/25/2021 11:50:15 PM	60747
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	770	48		mg/Kg	5	6/23/2021 6:32:12 PM	60695
Motor Oil Range Organics (MRO)	390	240		mg/Kg	5	6/23/2021 6:32:12 PM	60695
Surr: DNOP	120	70-130		%Rec	5	6/23/2021 6:32:12 PM	60695
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	33	25		mg/Kg	5	6/18/2021 5:48:02 PM	60690
Surr: BFB	178	70-130	S	%Rec	5	6/18/2021 5:48:02 PM	60690
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.12		mg/Kg	5	6/18/2021 5:48:02 PM	60690
Toluene	ND	0.25		mg/Kg	5	6/18/2021 5:48:02 PM	60690
Ethylbenzene	0.32	0.25		mg/Kg	5	6/18/2021 5:48:02 PM	60690
Xylenes, Total	ND	0.50		mg/Kg	5	6/18/2021 5:48:02 PM	60690
Surr: 4-Bromofluorobenzene	110	70-130		%Rec	5	6/18/2021 5:48:02 PM	60690

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

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

Analytical Report

Lab Order: 2106819

Date Reported: 6/30/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Lab Order: 2106819

Project: Nix Curtis BH Battery

Lab ID: 2106819-010

Collection Date: 6/14/2021 12:45:00 PM

Client Sample ID: TP4-16

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	1300	60		mg/Kg	20	6/26/2021 12:02:40 AM	60747
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	130	9.8		mg/Kg	1	6/23/2021 6:45:12 PM	60695
Motor Oil Range Organics (MRO)	120	49		mg/Kg	1	6/23/2021 6:45:12 PM	60695
Surr: DNOP	108	70-130		%Rec	1	6/23/2021 6:45:12 PM	60695
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	6/18/2021 6:59:49 PM	60690
Surr: BFB	118	70-130		%Rec	1	6/18/2021 6:59:49 PM	60690
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	6/18/2021 6:59:49 PM	60690
Toluene	ND	0.046		mg/Kg	1	6/18/2021 6:59:49 PM	60690
Ethylbenzene	ND	0.046		mg/Kg	1	6/18/2021 6:59:49 PM	60690
Xylenes, Total	ND	0.092		mg/Kg	1	6/18/2021 6:59:49 PM	60690
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	6/18/2021 6:59:49 PM	60690

Lab ID: 2106819-011

Collection Date: 6/14/2021 12:50:00 PM

Client Sample ID: TP4-20

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	2300	60		mg/Kg	20	6/26/2021 12:15:05 AM	60747
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	6/18/2021 3:38:57 PM	60695
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/18/2021 3:38:57 PM	60695
Surr: DNOP	84.9	70-130		%Rec	1	6/18/2021 3:38:57 PM	60695
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/18/2021 7:23:36 PM	60690
Surr: BFB	111	70-130		%Rec	1	6/18/2021 7:23:36 PM	60690
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	6/18/2021 7:23:36 PM	60690
Toluene	ND	0.048		mg/Kg	1	6/18/2021 7:23:36 PM	60690
Ethylbenzene	ND	0.048		mg/Kg	1	6/18/2021 7:23:36 PM	60690
Xylenes, Total	ND	0.096		mg/Kg	1	6/18/2021 7:23:36 PM	60690
Surr: 4-Bromofluorobenzene	99.5	70-130		%Rec	1	6/18/2021 7:23:36 PM	60690

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

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

Analytical Report

Lab Order: 2106819

Date Reported: 6/30/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Lab Order: 2106819

Project: Nix Curtis BH Battery

Lab ID: 2106819-012

Collection Date: 6/14/2021 1:05:00 PM

Client Sample ID: TP5-2

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	800	60		mg/Kg	20	6/26/2021 12:27:30 AM	60747
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	6/18/2021 3:51:59 PM	60695
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/18/2021 3:51:59 PM	60695
Surr: DNOP	84.4	70-130		%Rec	1	6/18/2021 3:51:59 PM	60695
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/18/2021 7:47:22 PM	60690
Surr: BFB	113	70-130		%Rec	1	6/18/2021 7:47:22 PM	60690
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	6/18/2021 7:47:22 PM	60690
Toluene	ND	0.048		mg/Kg	1	6/18/2021 7:47:22 PM	60690
Ethylbenzene	ND	0.048		mg/Kg	1	6/18/2021 7:47:22 PM	60690
Xylenes, Total	ND	0.097		mg/Kg	1	6/18/2021 7:47:22 PM	60690
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	6/18/2021 7:47:22 PM	60690

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

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

Analytical Report

Lab Order: 2106819

Date Reported: 6/30/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Lab Order: 2106819

Project: Nix Curtis BH Battery

Lab ID: 2106819-013

Collection Date: 6/14/2021 1:15:00 PM

Client Sample ID: TP5-4

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	330	61		mg/Kg	20	6/26/2021 12:39:54 AM	60747
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	6/18/2021 4:05:05 PM	60695
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/18/2021 4:05:05 PM	60695
Surr: DNOP	79.8	70-130		%Rec	1	6/18/2021 4:05:05 PM	60695
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/18/2021 8:11:08 PM	60690
Surr: BFB	110	70-130		%Rec	1	6/18/2021 8:11:08 PM	60690
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	6/18/2021 8:11:08 PM	60690
Toluene	ND	0.047		mg/Kg	1	6/18/2021 8:11:08 PM	60690
Ethylbenzene	ND	0.047		mg/Kg	1	6/18/2021 8:11:08 PM	60690
Xylenes, Total	ND	0.094		mg/Kg	1	6/18/2021 8:11:08 PM	60690
Surr: 4-Bromofluorobenzene	99.2	70-130		%Rec	1	6/18/2021 8:11:08 PM	60690

Lab ID: 2106819-014

Collection Date: 6/14/2021 1:20:00 PM

Client Sample ID: TP6-S

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	61		mg/Kg	20	6/26/2021 12:52:19 AM	60747
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	8.7		mg/Kg	1	6/18/2021 4:18:08 PM	60695
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	6/18/2021 4:18:08 PM	60695
Surr: DNOP	76.1	70-130		%Rec	1	6/18/2021 4:18:08 PM	60695
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	6/18/2021 8:34:59 PM	60690
Surr: BFB	110	70-130		%Rec	1	6/18/2021 8:34:59 PM	60690
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	6/18/2021 8:34:59 PM	60690
Toluene	ND	0.046		mg/Kg	1	6/18/2021 8:34:59 PM	60690
Ethylbenzene	ND	0.046		mg/Kg	1	6/18/2021 8:34:59 PM	60690
Xylenes, Total	ND	0.093		mg/Kg	1	6/18/2021 8:34:59 PM	60690
Surr: 4-Bromofluorobenzene	99.7	70-130		%Rec	1	6/18/2021 8:34:59 PM	60690

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

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

Analytical Report

Lab Order: 2106819

Date Reported: 6/30/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Lab Order: 2106819

Project: Nix Curtis BH Battery

Lab ID: 2106819-015

Collection Date: 6/14/2021 1:30:00 PM

Client Sample ID: TP6-2

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	94	60		mg/Kg	20	6/26/2021 1:04:44 AM	60747
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	6/18/2021 4:44:11 PM	60695
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/18/2021 4:44:11 PM	60695
Surr: DNOP	106	70-130		%Rec	1	6/18/2021 4:44:11 PM	60695
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/18/2021 8:58:41 PM	60690
Surr: BFB	109	70-130		%Rec	1	6/18/2021 8:58:41 PM	60690
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	6/18/2021 8:58:41 PM	60690
Toluene	ND	0.049		mg/Kg	1	6/18/2021 8:58:41 PM	60690
Ethylbenzene	ND	0.049		mg/Kg	1	6/18/2021 8:58:41 PM	60690
Xylenes, Total	ND	0.097		mg/Kg	1	6/18/2021 8:58:41 PM	60690
Surr: 4-Bromofluorobenzene	99.4	70-130		%Rec	1	6/18/2021 8:58:41 PM	60690

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

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

Analytical Report

Lab Order: 2106819

Date Reported: 6/30/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Lab Order: 2106819

Project: Nix Curtis BH Battery

Lab ID: 2106819-016

Collection Date: 6/14/2021 1:40:00 PM

Client Sample ID: TP7-2

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	1700	60		mg/Kg	20	6/26/2021 1:17:08 AM	60747
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	8.8		mg/Kg	1	6/18/2021 4:57:08 PM	60695
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	6/18/2021 4:57:08 PM	60695
Surr: DNOP	87.2	70-130		%Rec	1	6/18/2021 4:57:08 PM	60695
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/18/2021 9:22:19 PM	60690
Surr: BFB	109	70-130		%Rec	1	6/18/2021 9:22:19 PM	60690
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	6/18/2021 9:22:19 PM	60690
Toluene	ND	0.047		mg/Kg	1	6/18/2021 9:22:19 PM	60690
Ethylbenzene	ND	0.047		mg/Kg	1	6/18/2021 9:22:19 PM	60690
Xylenes, Total	ND	0.093		mg/Kg	1	6/18/2021 9:22:19 PM	60690
Surr: 4-Bromofluorobenzene	99.4	70-130		%Rec	1	6/18/2021 9:22:19 PM	60690

Lab ID: 2106819-017

Collection Date: 6/14/2021 1:45:00 PM

Client Sample ID: TP7-6

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	1500	60		mg/Kg	20	6/26/2021 1:29:32 AM	60747
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	6/18/2021 5:23:05 PM	60695
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/18/2021 5:23:05 PM	60695
Surr: DNOP	89.8	70-130		%Rec	1	6/18/2021 5:23:05 PM	60695
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/18/2021 9:45:57 PM	60690
Surr: BFB	109	70-130		%Rec	1	6/18/2021 9:45:57 PM	60690
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	6/18/2021 9:45:57 PM	60690
Toluene	ND	0.047		mg/Kg	1	6/18/2021 9:45:57 PM	60690
Ethylbenzene	ND	0.047		mg/Kg	1	6/18/2021 9:45:57 PM	60690
Xylenes, Total	ND	0.093		mg/Kg	1	6/18/2021 9:45:57 PM	60690
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	6/18/2021 9:45:57 PM	60690

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

Qualifiers:

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

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Analytical Report

Lab Order: 2106819

Date Reported: 6/30/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Lab Order: 2106819

Project: Nix Curtis BH Battery

Lab ID: 2106819-018

Collection Date: 6/14/2021 2:00:00 PM

Client Sample ID: TP7-12

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	1600	60		mg/Kg	20	6/26/2021 1:41:57 AM	60747
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	8.5		mg/Kg	1	6/18/2021 5:36:07 PM	60695
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	6/18/2021 5:36:07 PM	60695
Surr: DNOP	87.6	70-130		%Rec	1	6/18/2021 5:36:07 PM	60695
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/18/2021 10:56:41 PM	60690
Surr: BFB	107	70-130		%Rec	1	6/18/2021 10:56:41 PM	60690
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	6/18/2021 10:56:41 PM	60690
Toluene	ND	0.049		mg/Kg	1	6/18/2021 10:56:41 PM	60690
Ethylbenzene	ND	0.049		mg/Kg	1	6/18/2021 10:56:41 PM	60690
Xylenes, Total	ND	0.098		mg/Kg	1	6/18/2021 10:56:41 PM	60690
Surr: 4-Bromofluorobenzene	98.1	70-130		%Rec	1	6/18/2021 10:56:41 PM	60690

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

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

Analytical Report

Lab Order: 2106819

Date Reported: 6/30/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Lab Order: 2106819

Project: Nix Curtis BH Battery

Lab ID: 2106819-019

Collection Date: 6/14/2021 2:10:00 PM

Client Sample ID: TP7-14

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	1300	60		mg/Kg	20	6/19/2021 12:40:21 PM	60754
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	6/18/2021 5:49:10 PM	60695
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/18/2021 5:49:10 PM	60695
Surr: DNOP	88.1	70-130		%Rec	1	6/18/2021 5:49:10 PM	60695
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	6/18/2021 11:20:10 PM	60690
Surr: BFB	107	70-130		%Rec	1	6/18/2021 11:20:10 PM	60690
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	6/18/2021 11:20:10 PM	60690
Toluene	ND	0.046		mg/Kg	1	6/18/2021 11:20:10 PM	60690
Ethylbenzene	ND	0.046		mg/Kg	1	6/18/2021 11:20:10 PM	60690
Xylenes, Total	ND	0.092		mg/Kg	1	6/18/2021 11:20:10 PM	60690
Surr: 4-Bromofluorobenzene	98.7	70-130		%Rec	1	6/18/2021 11:20:10 PM	60690

Lab ID: 2106819-020

Collection Date: 6/14/2021 2:30:00 PM

Client Sample ID: TP8-2

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	1700	60		mg/Kg	20	6/19/2021 1:17:34 PM	60754
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	6/18/2021 6:02:34 PM	60695
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/18/2021 6:02:34 PM	60695
Surr: DNOP	88.6	70-130		%Rec	1	6/18/2021 6:02:34 PM	60695
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/18/2021 11:43:38 PM	60690
Surr: BFB	107	70-130		%Rec	1	6/18/2021 11:43:38 PM	60690
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	6/18/2021 11:43:38 PM	60690
Toluene	ND	0.047		mg/Kg	1	6/18/2021 11:43:38 PM	60690
Ethylbenzene	ND	0.047		mg/Kg	1	6/18/2021 11:43:38 PM	60690
Xylenes, Total	ND	0.094		mg/Kg	1	6/18/2021 11:43:38 PM	60690
Surr: 4-Bromofluorobenzene	98.8	70-130		%Rec	1	6/18/2021 11:43:38 PM	60690

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

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

Analytical Report

Lab Order: 2106819

Date Reported: 6/30/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Lab Order: 2106819

Project: Nix Curtis BH Battery

Lab ID: 2106819-021

Collection Date: 6/14/2021 2:40:00 PM

Client Sample ID: TP8-6

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	1300	60		mg/Kg	20	6/19/2021 1:29:58 PM	60754
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	6/18/2021 6:15:48 PM	60695
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/18/2021 6:15:48 PM	60695
Surr: DNOP	90.4	70-130		%Rec	1	6/18/2021 6:15:48 PM	60695
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	6/19/2021 12:07:07 AM	60690
Surr: BFB	106	70-130		%Rec	1	6/19/2021 12:07:07 AM	60690
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	6/19/2021 12:07:07 AM	60690
Toluene	ND	0.046		mg/Kg	1	6/19/2021 12:07:07 AM	60690
Ethylbenzene	ND	0.046		mg/Kg	1	6/19/2021 12:07:07 AM	60690
Xylenes, Total	ND	0.092		mg/Kg	1	6/19/2021 12:07:07 AM	60690
Surr: 4-Bromofluorobenzene	97.5	70-130		%Rec	1	6/19/2021 12:07:07 AM	60690

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

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

Analytical Report

Lab Order: 2106819

Date Reported: 6/30/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Lab Order: 2106819

Project: Nix Curtis BH Battery

Lab ID: 2106819-022

Collection Date: 6/14/2021 2:50:00 PM

Client Sample ID: TP8-10

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	1500	60		mg/Kg	20	6/19/2021 1:42:23 PM	60754
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	6/18/2021 6:29:44 PM	60695
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/18/2021 6:29:44 PM	60695
Surr: DNOP	112	70-130		%Rec	1	6/18/2021 6:29:44 PM	60695
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/19/2021 12:30:37 AM	60690
Surr: BFB	107	70-130		%Rec	1	6/19/2021 12:30:37 AM	60690
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	6/19/2021 12:30:37 AM	60690
Toluene	ND	0.047		mg/Kg	1	6/19/2021 12:30:37 AM	60690
Ethylbenzene	ND	0.047		mg/Kg	1	6/19/2021 12:30:37 AM	60690
Xylenes, Total	ND	0.094		mg/Kg	1	6/19/2021 12:30:37 AM	60690
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	6/19/2021 12:30:37 AM	60690

Lab ID: 2106819-023

Collection Date: 6/14/2021 3:00:00 PM

Client Sample ID: TP8-12

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	1100	60		mg/Kg	20	6/19/2021 2:19:37 PM	60754
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	6/18/2021 6:43:53 PM	60695
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/18/2021 6:43:53 PM	60695
Surr: DNOP	90.0	70-130		%Rec	1	6/18/2021 6:43:53 PM	60695
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/19/2021 12:54:07 AM	60690
Surr: BFB	108	70-130		%Rec	1	6/19/2021 12:54:07 AM	60690
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	6/19/2021 12:54:07 AM	60690
Toluene	ND	0.048		mg/Kg	1	6/19/2021 12:54:07 AM	60690
Ethylbenzene	ND	0.048		mg/Kg	1	6/19/2021 12:54:07 AM	60690
Xylenes, Total	ND	0.096		mg/Kg	1	6/19/2021 12:54:07 AM	60690
Surr: 4-Bromofluorobenzene	98.0	70-130		%Rec	1	6/19/2021 12:54:07 AM	60690

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

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

Analytical Report

Lab Order: 2106819

Date Reported: 6/30/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT:	GHD	Lab Order:	2106819
Project:	Nix Curtis BH Battery		

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

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2106819

30-Jun-21

Client: GHD

Project: Nix Curtis BH Battery

Sample ID: MB-60754		SampType: MBLK				TestCode: EPA Method 300.0: Anions					
Client ID: PBS		Batch ID: 60754				RunNo: 79208					
Prep Date: 6/19/2021		Analysis Date: 6/19/2021				SeqNo: 2780472		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Chloride	ND	1.5									

Sample ID: LCS-60754		SampType: LCS				TestCode: EPA Method 300.0: Anions					
Client ID: LCSS		Batch ID: 60754				RunNo: 79208					
Prep Date: 6/19/2021		Analysis Date: 6/19/2021				SeqNo: 2780473		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Chloride	14	1.5	15.00	0	92.8	90	110				

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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

WO#: 2106819

30-Jun-21

Client: GHD
Project: Nix Curtis BH Battery

Sample ID: LCS-60694	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 60694			RunNo: 79223						
Prep Date: 6/17/2021	Analysis Date: 6/18/2021			SeqNo: 2781759		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	91.9	68.9	141			
Surr: DNOP	4.6		5.000		91.3	70	130			

Sample ID: MB-60694	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 60694			RunNo: 79223						
Prep Date: 6/17/2021	Analysis Date: 6/18/2021			SeqNo: 2781763		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.2		10.00		92.0	70	130			

Sample ID: MB-60695	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 60695			RunNo: 79195						
Prep Date: 6/17/2021	Analysis Date: 6/18/2021			SeqNo: 2782633		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		101	70	130			

Sample ID: LCS-60695	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 60695			RunNo: 79195						
Prep Date: 6/17/2021	Analysis Date: 6/18/2021			SeqNo: 2782657		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	41	10	50.00	0	83.0	68.9	141			
Surr: DNOP	4.4		5.000		87.7	70	130			

Sample ID: LCS-60869	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 60869			RunNo: 79364						
Prep Date: 6/23/2021	Analysis Date: 6/26/2021			SeqNo: 2789111		Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	6.0		5.000		119	70	130			

Qualifiers:

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

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

Page 18 of 23

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

WO#: 2106819

30-Jun-21

Client: GHD
Project: Nix Curtis BH Battery

Sample ID: MB-60869	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 60869			RunNo: 79364						
Prep Date: 6/23/2021	Analysis Date: 6/26/2021			SeqNo: 2789122		Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	11		10.00		107	70	130			

Sample ID: MB-60873	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 60873			RunNo: 79364						
Prep Date: 6/23/2021	Analysis Date: 6/26/2021			SeqNo: 2789298		Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.2		10.00		82.0	70	130			

Sample ID: LCS-60873	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 60873			RunNo: 79364						
Prep Date: 6/23/2021	Analysis Date: 6/26/2021			SeqNo: 2789299		Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.1		5.000		81.0	70	130			

Qualifiers:

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

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

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

WO#: 2106819

30-Jun-21

Client: GHD
Project: Nix Curtis BH Battery

Sample ID: LCS-60684	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 60684			RunNo: 79188						
Prep Date: 6/16/2021	Analysis Date: 6/19/2021			SeqNo: 2780413		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	101	78.6	131			
Surr: BFB	1200		1000		117	70	130			

Sample ID: MB-60684	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 60684			RunNo: 79188						
Prep Date: 6/16/2021	Analysis Date: 6/19/2021			SeqNo: 2780414		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		103	70	130			

Sample ID: mb-60690	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 60690			RunNo: 79210						
Prep Date: 6/16/2021	Analysis Date: 6/18/2021			SeqNo: 2780551		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		114	70	130			

Sample ID: lcs-60690	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 60690			RunNo: 79210						
Prep Date: 6/16/2021	Analysis Date: 6/18/2021			SeqNo: 2780552		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	110	78.6	131			
Surr: BFB	1200		1000		124	70	130			

Sample ID: 2106819-009ams	SampType: MS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: TP4-8	Batch ID: 60690			RunNo: 79210						
Prep Date: 6/16/2021	Analysis Date: 6/18/2021			SeqNo: 2780555		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	60	23	23.39	32.92	117	61.3	114			S
Surr: BFB	8700		4677		187	70	130			S

Sample ID: 2106819-009amsd	SampType: MSD			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: TP4-8	Batch ID: 60690			RunNo: 79210						
Prep Date: 6/16/2021	Analysis Date: 6/18/2021			SeqNo: 2780556		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

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

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2106819

30-Jun-21

Client: GHD

Project: Nix Curtis BH Battery

Sample ID: 2106819-009amsd		SampType: MSD		TestCode: EPA Method 8015D: Gasoline Range						
Client ID: TP4-8		Batch ID: 60690		RunNo: 79210						
Prep Date: 6/16/2021		Analysis Date: 6/18/2021		SeqNo: 2780556		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	55	23	23.15	32.92	95.4	61.3	114	9.33	20	
Surr: BFB	8400		4630		181	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 Quantitative Limit

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

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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

WO#: 2106819

30-Jun-21

Client: GHD
Project: Nix Curtis BH Battery

Sample ID: mb-60690	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 60690	RunNo: 79210								
Prep Date: 6/16/2021	Analysis Date: 6/18/2021	SeqNo: 2780716 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		103	70	130			

Sample ID: LCS-60690	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 60690	RunNo: 79210								
Prep Date: 6/16/2021	Analysis Date: 6/18/2021	SeqNo: 2780717 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.025	1.000	0	97.5	80	120			
Toluene	0.99	0.050	1.000	0	98.8	80	120			
Ethylbenzene	0.98	0.050	1.000	0	98.0	80	120			
Xylenes, Total	2.9	0.10	3.000	0	98.1	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		103	70	130			

Sample ID: 2106819-008ams	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: TP4-4	Batch ID: 60690	RunNo: 79210								
Prep Date: 6/16/2021	Analysis Date: 6/18/2021	SeqNo: 2780719 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.12	0.9921	0	96.9	80	120			
Toluene	1.0	0.25	0.9921	0	101	80	120			
Ethylbenzene	1.2	0.25	0.9921	0.2818	96.2	80	120			
Xylenes, Total	3.4	0.50	2.976	0.5390	97.4	80	120			
Surr: 4-Bromofluorobenzene	5.4		4.960		109	70	130			

Sample ID: 2106819-008amsd	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: TP4-4	Batch ID: 60690	RunNo: 79210								
Prep Date: 6/16/2021	Analysis Date: 6/18/2021	SeqNo: 2780720 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.12	0.9901	0	93.9	80	120	3.34	20	
Toluene	0.97	0.25	0.9901	0	97.8	80	120	3.86	20	
Ethylbenzene	1.2	0.25	0.9901	0.2818	94.7	80	120	1.37	20	
Xylenes, Total	3.4	0.50	2.970	0.5390	96.6	80	120	0.849	20	
Surr: 4-Bromofluorobenzene	5.4		4.950		108	70	130	0	0	

Qualifiers:

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

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

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

WO#: 2106819

30-Jun-21

Client: GHD**Project:** Nix Curtis BH Battery

Sample ID: LCS-60684	SampType: LCS			TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch ID: 60684			RunNo: 79188						
Prep Date: 6/16/2021	Analysis Date: 6/19/2021			SeqNo: 2781039		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	1.000	0	90.0	80	120			
Toluene	0.89	0.050	1.000	0	88.8	80	120			
Ethylbenzene	0.90	0.050	1.000	0	90.3	80	120			
Xylenes, Total	2.7	0.10	3.000	0	89.3	80	120			
Surr: 4-Bromofluorobenzene	0.87		1.000		86.8	70	130			

Sample ID: MB-60684	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch ID: 60684			RunNo: 79188						
Prep Date: 6/16/2021	Analysis Date: 6/19/2021			SeqNo: 2781040		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.88		1.000		87.8	70	130			

Qualifiers:

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

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit



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

Sample Log-In Check List

Client Name: GHD

Work Order Number: 2106819

RcptNo: 1

Received By: Juan Rojas

6/16/2021 7:35:00 AM

Juan Rojas

Completed By: Cheyenne Cason

6/16/2021 8:27:44 AM

Cason

Reviewed By:

JO

6.16.21

Chain of Custody

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

Log In

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

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by: *T.C. 6.16.21*

Special Handling (if applicable)

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

Person Notified:

Date:

By Whom:

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

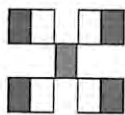
Client Instructions:

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.7	Good				
2	0.2	Good				

2072



**HALL ENVIRONMENTAL
ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Chain-of-Custody Record			
Client: <u>GHD</u> ☒ Standard ☐ Rush <u>5-day</u>			
Project Name: <u>Wix Curtis R.H. Battery</u>			
Project #: <u>11229322</u>			
Project Manager: <u>Becky Haskell</u> <u>Tom Larson</u>			
Sampler: <u>Zach Corvino</u> On Ice: ☒ Yes ☐ No			
# of Coolers: <u>2</u>			
Cooler Temp (including CF): <u>0.8-0.1 = 0.7 (°C)</u> <u>0.3-0.1 = 0.2</u> <u>HEAL No. 21068</u>			
Date	Time	Matrix	Sample Name
<u>6/15/21</u>	<u>1315</u>	<u>S</u>	<u>TP5-4</u>
	<u>1320</u>		<u>TP6-8</u>
	<u>1330</u>		<u>TP6-2</u>
	<u>1340</u>		<u>TP7-2</u>
	<u>1345</u>		<u>TP7-6</u>
	<u>1400</u>		<u>TP7-12</u>
	<u>1410</u>		<u>TP7-14</u>
	<u>1430</u>		<u>TP8-2</u>
	<u>1440</u>		<u>TP8-6</u>
	<u>1450</u>		<u>TP8-10</u>
	<u>1500</u>	<u>↓</u>	<u>TP8-12</u>
Accreditation: ☐ Az Compliance ☐ NELAC ☐ Other _____ ☐ Standard ☐ Level 4 (Full Validation)			
Mailing Address: _____			
3242 Main St Suite 108, Anchorage, Alaska 99503 Phone #: (505) 371-4218 email or Fax#: [Becky.Haskell@ghd.com] QA/QC Package: Chase, Seattle @ ghdresources.com <u>Tom.larson@ghd.com</u>			
Relinquished by: <u>Zach Corvino</u> / <u>3/6/21</u> Date: <u>6/15/21</u> Time: <u>0800</u>			
Relinquished by: <u>[Signature]</u> / <u>6/16/21</u> Date: <u>6/15/21</u> Time: <u>1700</u>			

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



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

June 29, 2021

Tom Larson

GHD

6121 Indian School Road, NE #200

Albuquerque, NM 87110

TEL: (505) 884-0672

FAX

RE: Nix Curtis BH Battery

OrderNo.: 2106906

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 11 sample(s) on 6/17/2021 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order: 2106906

Date Reported: 6/29/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Lab Order: 2106906

Project: Nix Curtis BH Battery

Lab ID: 2106906-001

Collection Date: 6/15/2021 1:55:00 PM

Client Sample ID: TP9-2

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	930	60		mg/Kg	20	6/20/2021 12:21:50 PM	60749
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/20/2021 8:49:03 AM	60715
Surr: BFB	102	70-130		%Rec	1	6/20/2021 8:49:03 AM	60715
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	6/18/2021 6:30:13 PM	60718
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/18/2021 6:30:13 PM	60718
Surr: DNOP	83.0	70-130		%Rec	1	6/18/2021 6:30:13 PM	60718
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Methyl tert-butyl ether (MTBE)	ND	0.050		mg/Kg	1	6/20/2021 8:49:03 AM	60715
Benzene	ND	0.025		mg/Kg	1	6/20/2021 8:49:03 AM	60715
Toluene	ND	0.050		mg/Kg	1	6/20/2021 8:49:03 AM	60715
Ethylbenzene	ND	0.050		mg/Kg	1	6/20/2021 8:49:03 AM	60715
Xylenes, Total	ND	0.10		mg/Kg	1	6/20/2021 8:49:03 AM	60715
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	1	6/20/2021 8:49:03 AM	60715
Surr: Dibromofluoromethane	84.6	70-130		%Rec	1	6/20/2021 8:49:03 AM	60715
Surr: Toluene-d8	107	70-130		%Rec	1	6/20/2021 8:49:03 AM	60715

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

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

Analytical Report

Lab Order: 2106906

Date Reported: 6/29/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Lab Order: 2106906

Project: Nix Curtis BH Battery

Lab ID: 2106906-002

Collection Date: 6/15/2021 2:00:00 PM

Client Sample ID: TP9-4

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	470	60		mg/Kg	20	6/20/2021 12:34:14 PM	60749
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/20/2021 9:17:40 AM	60715
Surr: BFB	97.0	70-130		%Rec	1	6/20/2021 9:17:40 AM	60715
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	6/18/2021 6:54:32 PM	60718
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/18/2021 6:54:32 PM	60718
Surr: DNOP	92.5	70-130		%Rec	1	6/18/2021 6:54:32 PM	60718
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Methyl tert-butyl ether (MTBE)	ND	0.048		mg/Kg	1	6/20/2021 9:17:40 AM	60715
Benzene	ND	0.024		mg/Kg	1	6/20/2021 9:17:40 AM	60715
Toluene	ND	0.048		mg/Kg	1	6/20/2021 9:17:40 AM	60715
Ethylbenzene	ND	0.048		mg/Kg	1	6/20/2021 9:17:40 AM	60715
Xylenes, Total	ND	0.097		mg/Kg	1	6/20/2021 9:17:40 AM	60715
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	1	6/20/2021 9:17:40 AM	60715
Surr: Dibromofluoromethane	88.2	70-130		%Rec	1	6/20/2021 9:17:40 AM	60715
Surr: Toluene-d8	102	70-130		%Rec	1	6/20/2021 9:17:40 AM	60715

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

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

Analytical Report

Lab Order: 2106906

Date Reported: 6/29/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Lab Order: 2106906

Project: Nix Curtis BH Battery

Lab ID: 2106906-003

Collection Date: 6/15/2021 2:10:00 PM

Client Sample ID: TP10-S

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	6/20/2021 12:46:39 PM	60749
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/20/2021 9:46:15 AM	60715
Surr: BFB	94.8	70-130		%Rec	1	6/20/2021 9:46:15 AM	60715
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	6/18/2021 7:18:56 PM	60718
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/18/2021 7:18:56 PM	60718
Surr: DNOP	83.2	70-130		%Rec	1	6/18/2021 7:18:56 PM	60718
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Methyl tert-butyl ether (MTBE)	ND	0.049		mg/Kg	1	6/20/2021 9:46:15 AM	60715
Benzene	ND	0.024		mg/Kg	1	6/20/2021 9:46:15 AM	60715
Toluene	ND	0.049		mg/Kg	1	6/20/2021 9:46:15 AM	60715
Ethylbenzene	ND	0.049		mg/Kg	1	6/20/2021 9:46:15 AM	60715
Xylenes, Total	ND	0.098		mg/Kg	1	6/20/2021 9:46:15 AM	60715
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	1	6/20/2021 9:46:15 AM	60715
Surr: Dibromofluoromethane	88.8	70-130		%Rec	1	6/20/2021 9:46:15 AM	60715
Surr: Toluene-d8	103	70-130		%Rec	1	6/20/2021 9:46:15 AM	60715

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

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

Analytical Report

Lab Order: 2106906

Date Reported: 6/29/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Lab Order: 2106906

Project: Nix Curtis BH Battery

Lab ID: 2106906-004

Collection Date: 6/15/2021 2:15:00 PM

Client Sample ID: TP10-2

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	110	59		mg/Kg	20	6/20/2021 12:59:03 PM	60749
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/20/2021 10:15:01 AM	60715
Surr: BFB	101	70-130		%Rec	1	6/20/2021 10:15:01 AM	60715
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	6/18/2021 7:43:19 PM	60718
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/18/2021 7:43:19 PM	60718
Surr: DNOP	100	70-130		%Rec	1	6/18/2021 7:43:19 PM	60718
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Methyl tert-butyl ether (MTBE)	ND	0.049		mg/Kg	1	6/20/2021 10:15:01 AM	60715
Benzene	ND	0.025		mg/Kg	1	6/20/2021 10:15:01 AM	60715
Toluene	ND	0.049		mg/Kg	1	6/20/2021 10:15:01 AM	60715
Ethylbenzene	ND	0.049		mg/Kg	1	6/20/2021 10:15:01 AM	60715
Xylenes, Total	ND	0.099		mg/Kg	1	6/20/2021 10:15:01 AM	60715
Surr: 1,2-Dichloroethane-d4	96.3	70-130		%Rec	1	6/20/2021 10:15:01 AM	60715
Surr: Dibromofluoromethane	86.7	70-130		%Rec	1	6/20/2021 10:15:01 AM	60715
Surr: Toluene-d8	105	70-130		%Rec	1	6/20/2021 10:15:01 AM	60715

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

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

Analytical Report

Lab Order: 2106906

Date Reported: 6/29/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Lab Order: 2106906

Project: Nix Curtis BH Battery

Lab ID: 2106906-005

Collection Date: 6/15/2021 2:30:00 PM

Client Sample ID: TP11-2

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	910	60		mg/Kg	20	6/20/2021 1:36:16 PM	60749
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/20/2021 10:43:34 AM	60715
Surr: BFB	97.3	70-130		%Rec	1	6/20/2021 10:43:34 AM	60715
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	6/23/2021 3:28:07 PM	60718
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/23/2021 3:28:07 PM	60718
Surr: DNOP	78.9	70-130		%Rec	1	6/23/2021 3:28:07 PM	60718
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Methyl tert-butyl ether (MTBE)	ND	0.049		mg/Kg	1	6/20/2021 10:43:34 AM	60715
Benzene	ND	0.025		mg/Kg	1	6/20/2021 10:43:34 AM	60715
Toluene	ND	0.049		mg/Kg	1	6/20/2021 10:43:34 AM	60715
Ethylbenzene	ND	0.049		mg/Kg	1	6/20/2021 10:43:34 AM	60715
Xylenes, Total	ND	0.099		mg/Kg	1	6/20/2021 10:43:34 AM	60715
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	1	6/20/2021 10:43:34 AM	60715
Surr: Dibromofluoromethane	84.7	70-130		%Rec	1	6/20/2021 10:43:34 AM	60715
Surr: Toluene-d8	102	70-130		%Rec	1	6/20/2021 10:43:34 AM	60715

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

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

Analytical Report

Lab Order: 2106906

Date Reported: 6/29/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Lab Order: 2106906

Project: Nix Curtis BH Battery

Lab ID: 2106906-006

Collection Date: 6/15/2021 2:40:00 PM

Client Sample ID: TP11-4

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	400	59		mg/Kg	20	6/20/2021 1:48:40 PM	60749
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	8.3	4.9		mg/Kg	1	6/20/2021 11:12:10 AM	60715
Surr: BFB	97.4	70-130		%Rec	1	6/20/2021 11:12:10 AM	60715
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	140	9.8		mg/Kg	1	6/23/2021 3:53:59 PM	60741
Motor Oil Range Organics (MRO)	130	49		mg/Kg	1	6/23/2021 3:53:59 PM	60741
Surr: DNOP	101	70-130		%Rec	1	6/23/2021 3:53:59 PM	60741
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Methyl tert-butyl ether (MTBE)	ND	0.049		mg/Kg	1	6/20/2021 11:12:10 AM	60715
Benzene	ND	0.025		mg/Kg	1	6/20/2021 11:12:10 AM	60715
Toluene	ND	0.049		mg/Kg	1	6/20/2021 11:12:10 AM	60715
Ethylbenzene	0.098	0.049		mg/Kg	1	6/20/2021 11:12:10 AM	60715
Xylenes, Total	0.26	0.098		mg/Kg	1	6/20/2021 11:12:10 AM	60715
Surr: 1,2-Dichloroethane-d4	106	70-130		%Rec	1	6/20/2021 11:12:10 AM	60715
Surr: Dibromofluoromethane	91.2	70-130		%Rec	1	6/20/2021 11:12:10 AM	60715
Surr: Toluene-d8	112	70-130		%Rec	1	6/20/2021 11:12:10 AM	60715

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

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

Analytical Report

Lab Order: 2106906

Date Reported: 6/29/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Lab Order: 2106906

Project: Nix Curtis BH Battery

Lab ID: 2106906-007

Collection Date: 6/15/2021 2:55:00 PM

Client Sample ID: TP12-S

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	6/20/2021 2:01:04 PM	60749
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/20/2021 11:40:44 AM	60715
Surr: BFB	97.9	70-130		%Rec	1	6/20/2021 11:40:44 AM	60715
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	6/19/2021 3:45:26 PM	60741
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/19/2021 3:45:26 PM	60741
Surr: DNOP	70.8	70-130		%Rec	1	6/19/2021 3:45:26 PM	60741
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Methyl tert-butyl ether (MTBE)	ND	0.049		mg/Kg	1	6/20/2021 11:40:44 AM	60715
Benzene	ND	0.025		mg/Kg	1	6/20/2021 11:40:44 AM	60715
Toluene	ND	0.049		mg/Kg	1	6/20/2021 11:40:44 AM	60715
Ethylbenzene	ND	0.049		mg/Kg	1	6/20/2021 11:40:44 AM	60715
Xylenes, Total	ND	0.098		mg/Kg	1	6/20/2021 11:40:44 AM	60715
Surr: 1,2-Dichloroethane-d4	108	70-130		%Rec	1	6/20/2021 11:40:44 AM	60715
Surr: Dibromofluoromethane	91.1	70-130		%Rec	1	6/20/2021 11:40:44 AM	60715
Surr: Toluene-d8	106	70-130		%Rec	1	6/20/2021 11:40:44 AM	60715

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

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

Analytical Report

Lab Order: 2106906

Date Reported: 6/29/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Lab Order: 2106906

Project: Nix Curtis BH Battery

Lab ID: 2106906-008

Collection Date: 6/15/2021 3:00:00 PM

Client Sample ID: TP12-2

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	6/20/2021 2:13:28 PM	60749
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/20/2021 12:09:18 PM	60715
Surr: BFB	95.2	70-130		%Rec	1	6/20/2021 12:09:18 PM	60715
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	6/19/2021 4:10:30 PM	60741
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/19/2021 4:10:30 PM	60741
Surr: DNOP	79.1	70-130		%Rec	1	6/19/2021 4:10:30 PM	60741
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Methyl tert-butyl ether (MTBE)	ND	0.050		mg/Kg	1	6/20/2021 12:09:18 PM	60715
Benzene	ND	0.025		mg/Kg	1	6/20/2021 12:09:18 PM	60715
Toluene	ND	0.050		mg/Kg	1	6/20/2021 12:09:18 PM	60715
Ethylbenzene	ND	0.050		mg/Kg	1	6/20/2021 12:09:18 PM	60715
Xylenes, Total	ND	0.10		mg/Kg	1	6/20/2021 12:09:18 PM	60715
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	1	6/20/2021 12:09:18 PM	60715
Surr: Dibromofluoromethane	85.6	70-130		%Rec	1	6/20/2021 12:09:18 PM	60715
Surr: Toluene-d8	104	70-130		%Rec	1	6/20/2021 12:09:18 PM	60715

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

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

Analytical Report

Lab Order: 2106906

Date Reported: 6/29/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Lab Order: 2106906

Project: Nix Curtis BH Battery

Lab ID: 2106906-009

Collection Date: 6/15/2021 3:20:00 PM

Client Sample ID: TP13-2

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	5100	150		mg/Kg	50	6/22/2021 4:44:05 PM	60749
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/20/2021 12:37:52 PM	60715
Surr: BFB	96.2	70-130		%Rec	1	6/20/2021 12:37:52 PM	60715
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	6/19/2021 4:35:35 PM	60741
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/19/2021 4:35:35 PM	60741
Surr: DNOP	92.4	70-130		%Rec	1	6/19/2021 4:35:35 PM	60741
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Methyl tert-butyl ether (MTBE)	ND	0.050		mg/Kg	1	6/20/2021 12:37:52 PM	60715
Benzene	ND	0.025		mg/Kg	1	6/20/2021 12:37:52 PM	60715
Toluene	ND	0.050		mg/Kg	1	6/20/2021 12:37:52 PM	60715
Ethylbenzene	ND	0.050		mg/Kg	1	6/20/2021 12:37:52 PM	60715
Xylenes, Total	ND	0.10		mg/Kg	1	6/20/2021 12:37:52 PM	60715
Surr: 1,2-Dichloroethane-d4	99.3	70-130		%Rec	1	6/20/2021 12:37:52 PM	60715
Surr: Dibromofluoromethane	87.5	70-130		%Rec	1	6/20/2021 12:37:52 PM	60715
Surr: Toluene-d8	103	70-130		%Rec	1	6/20/2021 12:37:52 PM	60715

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

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

Analytical Report

Lab Order: 2106906

Date Reported: 6/29/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Lab Order: 2106906

Project: Nix Curtis BH Battery

Lab ID: 2106906-010

Collection Date: 6/15/2021 3:30:00 PM

Client Sample ID: TP13-6

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	6700	300		mg/Kg	100	6/22/2021 4:56:30 PM	60749
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/20/2021 1:06:28 PM	60715
Surr: BFB	97.5	70-130		%Rec	1	6/20/2021 1:06:28 PM	60715
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	6/19/2021 5:00:31 PM	60741
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	6/19/2021 5:00:31 PM	60741
Surr: DNOP	92.8	70-130		%Rec	1	6/19/2021 5:00:31 PM	60741
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Methyl tert-butyl ether (MTBE)	ND	0.049		mg/Kg	1	6/20/2021 1:06:28 PM	60715
Benzene	ND	0.025		mg/Kg	1	6/20/2021 1:06:28 PM	60715
Toluene	ND	0.049		mg/Kg	1	6/20/2021 1:06:28 PM	60715
Ethylbenzene	ND	0.049		mg/Kg	1	6/20/2021 1:06:28 PM	60715
Xylenes, Total	ND	0.098		mg/Kg	1	6/20/2021 1:06:28 PM	60715
Surr: 1,2-Dichloroethane-d4	105	70-130		%Rec	1	6/20/2021 1:06:28 PM	60715
Surr: Dibromofluoromethane	86.6	70-130		%Rec	1	6/20/2021 1:06:28 PM	60715
Surr: Toluene-d8	101	70-130		%Rec	1	6/20/2021 1:06:28 PM	60715

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

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

Analytical Report

Lab Order: 2106906

Date Reported: 6/29/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Lab Order: 2106906

Project: Nix Curtis BH Battery

Lab ID: 2106906-011

Collection Date: 6/15/2021 4:00:00 PM

Client Sample ID: TP13-14

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	8300	300		mg/Kg	100	6/22/2021 5:08:55 PM	60753
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/20/2021 1:35:05 PM	60717
Surr: BFB	100	70-130		%Rec	1	6/20/2021 1:35:05 PM	60717
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	6/19/2021 11:49:47 AM	60738
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/19/2021 11:49:47 AM	60738
Surr: DNOP	94.7	70-130		%Rec	1	6/19/2021 11:49:47 AM	60738
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Methyl tert-butyl ether (MTBE)	ND	0.047		mg/Kg	1	6/20/2021 1:35:05 PM	60717
Benzene	ND	0.023		mg/Kg	1	6/20/2021 1:35:05 PM	60717
Toluene	ND	0.047		mg/Kg	1	6/20/2021 1:35:05 PM	60717
Ethylbenzene	ND	0.047		mg/Kg	1	6/20/2021 1:35:05 PM	60717
Xylenes, Total	ND	0.093		mg/Kg	1	6/20/2021 1:35:05 PM	60717
Surr: 1,2-Dichloroethane-d4	113	70-130		%Rec	1	6/20/2021 1:35:05 PM	60717
Surr: Dibromofluoromethane	91.4	70-130		%Rec	1	6/20/2021 1:35:05 PM	60717
Surr: Toluene-d8	108	70-130		%Rec	1	6/20/2021 1:35:05 PM	60717

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

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

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

WO#: 2106906

29-Jun-21

Client: GHD
Project: Nix Curtis BH Battery

Sample ID: MB-60749	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 60749	RunNo: 79211								
Prep Date: 6/19/2021	Analysis Date: 6/20/2021	SeqNo: 2780606 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-60749	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 60749	RunNo: 79211								
Prep Date: 6/19/2021	Analysis Date: 6/20/2021	SeqNo: 2780608 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.3	90	110			

Sample ID: MB-60753	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 60753	RunNo: 79212								
Prep Date: 6/19/2021	Analysis Date: 6/20/2021	SeqNo: 2780840 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-60753	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 60753	RunNo: 79212								
Prep Date: 6/19/2021	Analysis Date: 6/20/2021	SeqNo: 2780841 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.7	90	110			

Qualifiers:

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

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

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

WO#: 2106906

29-Jun-21

Client: GHD**Project:** Nix Curtis BH Battery

Sample ID: MB-60695	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 60695			RunNo: 79195						
Prep Date: 6/17/2021	Analysis Date: 6/18/2021			SeqNo: 2782633		Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10		10.00		101	70	130			

Sample ID: MB-60738	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 60738			RunNo: 79195						
Prep Date: 6/18/2021	Analysis Date: 6/19/2021			SeqNo: 2782640		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.7		10.00		87.0	70	130			

Sample ID: LCS-60695	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 60695			RunNo: 79195						
Prep Date: 6/17/2021	Analysis Date: 6/18/2021			SeqNo: 2782657		Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.4		5.000		87.7	70	130			

Sample ID: LCS-60738	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 60738			RunNo: 79195						
Prep Date: 6/18/2021	Analysis Date: 6/19/2021			SeqNo: 2782790		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	92.5	68.9	141			
Surr: DNOP	4.6		5.000		92.9	70	130			

Sample ID: 2106906-011AMS	SampType: MS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: TP13-14	Batch ID: 60738			RunNo: 79195						
Prep Date: 6/18/2021	Analysis Date: 6/19/2021			SeqNo: 2782792		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	9.3	46.73	6.215	78.7	15	184			
Surr: DNOP	4.4		4.673		94.0	70	130			

Sample ID: 2106906-011AMSD	SampType: MSD			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: TP13-14	Batch ID: 60738			RunNo: 79195						
Prep Date: 6/18/2021	Analysis Date: 6/19/2021			SeqNo: 2782793		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	40	9.5	47.57	6.215	71.8	15	184	6.21	23.9	

Qualifiers:

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

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

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

WO#: 2106906

29-Jun-21

Client: GHD
Project: Nix Curtis BH Battery

Sample ID: 2106906-011AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: TP13-14	Batch ID: 60738	RunNo: 79195								
Prep Date: 6/18/2021	Analysis Date: 6/19/2021	SeqNo: 2782793 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.0		4.757		84.9	70	130	0	0	

Sample ID: MB-60764	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 60764	RunNo: 79239								
Prep Date: 6/21/2021	Analysis Date: 6/22/2021	SeqNo: 2783029 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.2		10.00		91.7	70	130			

Sample ID: LCS-60764	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 60764	RunNo: 79239								
Prep Date: 6/21/2021	Analysis Date: 6/22/2021	SeqNo: 2783030 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.9		5.000		97.5	70	130			

Sample ID: MB-60762	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 60762	RunNo: 79229								
Prep Date: 6/19/2021	Analysis Date: 6/21/2021	SeqNo: 2783144 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.4		10.00		94.1	70	130			

Sample ID: LCS-60762	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 60762	RunNo: 79229								
Prep Date: 6/19/2021	Analysis Date: 6/21/2021	SeqNo: 2783145 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.3		5.000		106	70	130			

Sample ID: MB-60718	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 60718	RunNo: 79227								
Prep Date: 6/17/2021	Analysis Date: 6/18/2021	SeqNo: 2783467 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.7		10.00		96.6	70	130			

Qualifiers:

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

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2106906

29-Jun-21

Client: GHD

Project: Nix Curtis BH Battery

Sample ID: MB-60741	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 60741	RunNo: 79227								
Prep Date: 6/18/2021	Analysis Date: 6/19/2021	SeqNo: 2783469			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.0		10.00		89.6	70	130			

Sample ID: LCS-60718	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 60718	RunNo: 79227								
Prep Date: 6/17/2021	Analysis Date: 6/18/2021	SeqNo: 2783471			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	89.9	68.9	141			
Surr: DNOP	4.8		5.000		96.8	70	130			

Sample ID: LCS-60741	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 60741	RunNo: 79227								
Prep Date: 6/18/2021	Analysis Date: 6/19/2021	SeqNo: 2783472			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	89.8	68.9	141			
Surr: DNOP	4.4		5.000		87.7	70	130			

Sample ID: MB-60765	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 60765	RunNo: 79239								
Prep Date: 6/21/2021	Analysis Date: 6/23/2021	SeqNo: 2784807			Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	7.3		10.00		73.0	70	130			

Sample ID: LCS-60765	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 60765	RunNo: 79239								
Prep Date: 6/21/2021	Analysis Date: 6/23/2021	SeqNo: 2784808			Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	3.7		5.000		74.2	70	130			

Sample ID: 2106906-006AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: TP11-4	Batch ID: 60741	RunNo: 79290								
Prep Date: 6/18/2021	Analysis Date: 6/23/2021	SeqNo: 2786684			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	180	9.4	47.13	142.6	81.0	15	184			

Qualifiers:

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

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

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

WO#: 2106906

29-Jun-21

Client: GHD
Project: Nix Curtis BH Battery

Sample ID: 2106906-006AMS		SampType: MS			TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: TP11-4		Batch ID: 60741			RunNo: 79290					
Prep Date: 6/18/2021		Analysis Date: 6/23/2021			SeqNo: 2786684		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.6		4.713		98.5	70	130			

Sample ID: 2106906-006AMSD		SampType: MSD		TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: TP11-4		Batch ID: 60741		RunNo: 79290						
Prep Date: 6/18/2021		Analysis Date: 6/23/2021		SeqNo: 2786685		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	450	9.5	47.53	142.6	655	15	184	86.1	23.9	RS
Surr: DNOP	4.2		4.753		88.4	70	130	0	0	

Sample ID: MB-60870		SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: PBS		Batch ID: 60870			RunNo: 79239					
Prep Date: 6/23/2021		Analysis Date: 6/24/2021			SeqNo: 2789223		Units: %Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10		10.00		102	70	130			

Sample ID: LCS-60870		SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: LCSS	Batch ID: 60870			RunNo: 79239						
Prep Date: 6/23/2021	Analysis Date: 6/24/2021			SeqNo: 2789224		Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.3		5.000		106	70	130			

Qualifiers:

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

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

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

WO#: 2106906

29-Jun-21

Client: GHD**Project:** Nix Curtis BH Battery

Sample ID: lcs-60715	SampType: LCS4			TestCode: EPA Method 8260B: Volatiles Short List						
Client ID: BatchQC	Batch ID: 60715			RunNo: 79220						
Prep Date: 6/17/2021	Analysis Date: 6/19/2021			SeqNo: 2781796		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.025	1.000	0	91.9	80	120			
Toluene	1.1	0.050	1.000	0	109	80	120			
Ethylbenzene	1.0	0.050	1.000	0	104	80	120			
Xylenes, Total	3.2	0.10	3.000	0	108	80	120			
Surr: 1,2-Dichloroethane-d4	0.47		0.5000		93.0	70	130			
Surr: 4-Bromofluorobenzene	0.49		0.5000		98.7	70	130			
Surr: Dibromofluoromethane	0.43		0.5000		86.9	70	130			
Surr: Toluene-d8	0.53		0.5000		106	70	130			

Sample ID: lcs-60717	SampType: LCS4			TestCode: EPA Method 8260B: Volatiles Short List						
Client ID: BatchQC	Batch ID: 60717			RunNo: 79220						
Prep Date: 6/17/2021	Analysis Date: 6/20/2021			SeqNo: 2781797		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	1.000	0	93.6	80	120			
Toluene	1.1	0.050	1.000	0	105	80	120			
Ethylbenzene	1.0	0.050	1.000	0	105	80	120			
Xylenes, Total	3.1	0.10	3.000	0	104	80	120			
Surr: 1,2-Dichloroethane-d4	0.54		0.5000		108	70	130			
Surr: 4-Bromofluorobenzene	0.48		0.5000		96.7	70	130			
Surr: Dibromofluoromethane	0.44		0.5000		88.2	70	130			
Surr: Toluene-d8	0.52		0.5000		104	70	130			

Sample ID: mb-60715	SampType: MBLK			TestCode: EPA Method 8260B: Volatiles Short List						
Client ID: PBS	Batch ID: 60715			RunNo: 79220						
Prep Date: 6/17/2021	Analysis Date: 6/19/2021			SeqNo: 2781798		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: 1,2-Dichloroethane-d4	0.53		0.5000		106	70	130			
Surr: 4-Bromofluorobenzene	0.50		0.5000		99.8	70	130			
Surr: Dibromofluoromethane	0.47		0.5000		94.1	70	130			
Surr: Toluene-d8	0.53		0.5000		105	70	130			

Qualifiers:

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

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

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

WO#: 2106906

29-Jun-21

Client: GHD**Project:** Nix Curtis BH Battery

Sample ID: mb-60717	SampType: MBLK	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: PBS	Batch ID: 60717	RunNo: 79220								
Prep Date: 6/17/2021	Analysis Date: 6/20/2021	SeqNo: 2781799	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: 1,2-Dichloroethane-d4	0.51		0.5000		103	70	130			
Surr: 4-Bromofluorobenzene	0.50		0.5000		100	70	130			
Surr: Dibromofluoromethane	0.45		0.5000		90.6	70	130			
Surr: Toluene-d8	0.51		0.5000		102	70	130			

Sample ID: 2106906-011ams	SampType: MS4	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: TP13-14	Batch ID: 60717	RunNo: 79220								
Prep Date: 6/17/2021	Analysis Date: 6/20/2021	SeqNo: 2781811	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	0.9862	0	95.1	73.5	138			
Toluene	1.0	0.049	0.9862	0	105	83	131			
Ethylbenzene	1.0	0.049	0.9862	0	106	84.9	132			
Xylenes, Total	3.2	0.099	2.959	0	108	79.6	144			
Surr: 1,2-Dichloroethane-d4	0.53		0.4931		108	70	130			
Surr: 4-Bromofluorobenzene	0.51		0.4931		103	70	130			
Surr: Dibromofluoromethane	0.44		0.4931		89.5	70	130			
Surr: Toluene-d8	0.52		0.4931		105	70	130			

Sample ID: 2106906-011amsd	SampType: MSD4	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: TP13-14	Batch ID: 60717	RunNo: 79220								
Prep Date: 6/17/2021	Analysis Date: 6/20/2021	SeqNo: 2781812	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.85	0.023	0.9251	0	92.4	73.5	138	9.30	20	
Toluene	0.99	0.046	0.9251	0	107	83	131	4.69	20	
Ethylbenzene	0.97	0.046	0.9251	0	105	84.9	132	7.03	20	
Xylenes, Total	3.0	0.093	2.775	0	109	79.6	144	5.48	20	
Surr: 1,2-Dichloroethane-d4	0.45		0.4625		97.2	70	130	0	0	
Surr: 4-Bromofluorobenzene	0.45		0.4625		96.3	70	130	0	0	
Surr: Dibromofluoromethane	0.40		0.4625		86.3	70	130	0	0	
Surr: Toluene-d8	0.46		0.4625		99.8	70	130	0	0	

Qualifiers:

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

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

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

WO#: 2106906

29-Jun-21

Client: GHD
Project: Nix Curtis BH Battery

Sample ID: lcs-60715	SampType: LCS				TestCode: EPA Method 8015D Mod: Gasoline Range					
Client ID: LCSS	Batch ID: 60715				RunNo: 79220					
Prep Date: 6/17/2021	Analysis Date: 6/19/2021				SeqNo: 2781847	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	104	70	130			
Surr: BFB	470		500.0		94.5	70	130			

Sample ID: lcs-60717	SampType: LCS				TestCode: EPA Method 8015D Mod: Gasoline Range					
Client ID: LCSS	Batch ID: 60717				RunNo: 79220					
Prep Date: 6/17/2021	Analysis Date: 6/20/2021				SeqNo: 2781848	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	110	70	130			
Surr: BFB	480		500.0		95.6	70	130			

Sample ID: mb-60715	SampType: MBLK				TestCode: EPA Method 8015D Mod: Gasoline Range					
Client ID: PBS	Batch ID: 60715				RunNo: 79220					
Prep Date: 6/17/2021	Analysis Date: 6/19/2021				SeqNo: 2781849	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	480		500.0		95.7	70	130			

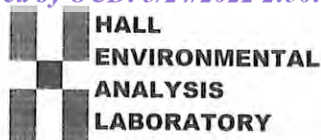
Sample ID: mb-60717	SampType: MBLK				TestCode: EPA Method 8015D Mod: Gasoline Range					
Client ID: PBS	Batch ID: 60717				RunNo: 79220					
Prep Date: 6/17/2021	Analysis Date: 6/20/2021				SeqNo: 2781850	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	470		500.0		93.8	70	130			

Qualifiers:

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

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

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

Sample Log-In Check List

Client Name: GHD

Work Order Number: 2106906

RcptNo: 1

Received By: Juan Rojas

6/17/2021 7:35:00 AM

Juan Rojas

Completed By: Cheyenne Cason

6/17/2021 8:43:34 AM

Cason

Reviewed By:

*JR 6/17/21*Chain of Custody

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

Log In

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

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by:

IO
6-17-21

Special Handling (if applicable)

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

Person Notified:

Date:

By Whom:

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.4	Good				
2	0.3	Good				

Chain-of-Custody Record

Client: GHD

Mailing Address:

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

Phone #: (505)377-4218

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

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)Accreditation: ☐ Az Compliance☐ NELAC ☐ Other☐ EDD (Type)

Turn-Around Time:

☒ Standard ☐ Rush

Project Name:

Project #:

Project Manager:

Becky Haskell

Tom Larson

Sampler:

Zach Comino

On Ice: ☒ Yes ☐ No

of Coolers: 2

Cooler Temp (including CP): 24.4-2.4

Container Type and #

Preservative Type

HEAL No.

2106906

001

002

003

004

005

006

007

008

009

010

011

012

013

014

015

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

June 29, 2021

Tom Larson

GHD

6121 Indian School Road, NE #200

Albuquerque, NM 87110

TEL: (505) 884-0672

FAX

RE: NIX Curtis BH Battery

OrderNo.: 2106982

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 18 sample(s) on 6/18/2021 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order: 2106982

Date Reported: 6/29/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Lab Order: 2106982

Project: NIX Curtis BH Battery

Lab ID: 2106982-001

Collection Date: 6/16/2021 9:10:00 AM

Client Sample ID: TP13-18

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	6500	300		mg/Kg	100	6/28/2021 11:02:51 AM	60811
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	6/20/2021 5:43:17 AM	60744
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/20/2021 5:43:17 AM	60744
Surr: DNOP	91.0	70-130		%Rec	1	6/20/2021 5:43:17 AM	60744
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/22/2021 2:09:00 PM	60737
Surr: BFB	92.0	70-130		%Rec	1	6/22/2021 2:09:00 PM	60737
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	6/21/2021 6:55:00 PM	60737
Toluene	ND	0.049		mg/Kg	1	6/21/2021 6:55:00 PM	60737
Ethylbenzene	ND	0.049		mg/Kg	1	6/21/2021 6:55:00 PM	60737
Xylenes, Total	ND	0.098		mg/Kg	1	6/21/2021 6:55:00 PM	60737
Surr: 4-Bromofluorobenzene	83.6	70-130		%Rec	1	6/21/2021 6:55:00 PM	60737

Lab ID: 2106982-002

Collection Date: 6/16/2021 9:20:00 AM

Client Sample ID: TP13-20

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	8000	300		mg/Kg	100	6/28/2021 11:15:16 AM	60865
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	11	9.3		mg/Kg	1	6/20/2021 6:07:55 AM	60744
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	6/20/2021 6:07:55 AM	60744
Surr: DNOP	92.1	70-130		%Rec	1	6/20/2021 6:07:55 AM	60744
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/22/2021 2:29:00 PM	60737
Surr: BFB	93.2	70-130		%Rec	1	6/22/2021 2:29:00 PM	60737
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	6/21/2021 7:15:00 PM	60737
Toluene	ND	0.048		mg/Kg	1	6/21/2021 7:15:00 PM	60737
Ethylbenzene	ND	0.048		mg/Kg	1	6/21/2021 7:15:00 PM	60737
Xylenes, Total	ND	0.095		mg/Kg	1	6/21/2021 7:15:00 PM	60737
Surr: 4-Bromofluorobenzene	85.8	70-130		%Rec	1	6/21/2021 7:15:00 PM	60737

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

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

Analytical Report

Lab Order: 2106982

Date Reported: 6/29/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Lab Order: 2106982

Project: NIX Curtis BH Battery

Lab ID: 2106982-003

Collection Date: 6/16/2021 9:55:00 AM

Client Sample ID: TP14-2

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	1600	60		mg/Kg	20	6/23/2021 7:15:58 PM	60865
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	6/20/2021 6:32:21 AM	60744
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/20/2021 6:32:21 AM	60744
Surr: DNOP	115	70-130		%Rec	1	6/20/2021 6:32:21 AM	60744
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/23/2021 5:55:37 PM	60737
Surr: BFB	104	70-130		%Rec	1	6/23/2021 5:55:37 PM	60737
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	6/22/2021 3:49:00 PM	60737
Toluene	ND	0.050		mg/Kg	1	6/22/2021 3:49:00 PM	60737
Ethylbenzene	ND	0.050		mg/Kg	1	6/22/2021 3:49:00 PM	60737
Xylenes, Total	ND	0.099		mg/Kg	1	6/22/2021 3:49:00 PM	60737
Surr: 4-Bromofluorobenzene	83.3	70-130		%Rec	1	6/22/2021 3:49:00 PM	60737

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

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

Analytical Report

Lab Order: 2106982

Date Reported: 6/29/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Project: NIX Curtis BH Battery

Lab Order: 2106982

Lab ID: 2106982-004

Collection Date: 6/16/2021 10:00:00 AM

Client Sample ID: TP14-6

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	820	59		mg/Kg	20	6/23/2021 7:28:22 PM	60865
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	6/20/2021 6:56:52 AM	60744
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	6/20/2021 6:56:52 AM	60744
Surr: DNOP	89.7	70-130		%Rec	1	6/20/2021 6:56:52 AM	60744
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/23/2021 9:04:48 PM	60737
Surr: BFB	102	70-130		%Rec	1	6/23/2021 9:04:48 PM	60737
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	6/21/2021 8:55:00 PM	60737
Toluene	ND	0.048		mg/Kg	1	6/21/2021 8:55:00 PM	60737
Ethylbenzene	ND	0.048		mg/Kg	1	6/21/2021 8:55:00 PM	60737
Xylenes, Total	ND	0.097		mg/Kg	1	6/21/2021 8:55:00 PM	60737
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	6/21/2021 8:55:00 PM	60737

Lab ID: 2106982-005

Collection Date: 6/16/2021 10:15:00 AM

Client Sample ID: TP15-2

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	7600	300		mg/Kg	100	6/28/2021 11:27:41 AM	60865
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	6/20/2021 7:21:17 AM	60744
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/20/2021 7:21:17 AM	60744
Surr: DNOP	87.4	70-130		%Rec	1	6/20/2021 7:21:17 AM	60744
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/23/2021 9:28:19 PM	60737
Surr: BFB	101	70-130		%Rec	1	6/23/2021 9:28:19 PM	60737
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	6/21/2021 9:15:00 PM	60737
Toluene	ND	0.049		mg/Kg	1	6/21/2021 9:15:00 PM	60737
Ethylbenzene	ND	0.049		mg/Kg	1	6/21/2021 9:15:00 PM	60737
Xylenes, Total	ND	0.098		mg/Kg	1	6/21/2021 9:15:00 PM	60737
Surr: 4-Bromofluorobenzene	83.2	70-130		%Rec	1	6/21/2021 9:15:00 PM	60737

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

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

Analytical Report

Lab Order: 2106982

Date Reported: 6/29/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Lab Order: 2106982

Project: NIX Curtis BH Battery

Lab ID: 2106982-006

Collection Date: 6/16/2021 10:35:00 AM

Client Sample ID: TP15-10

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	3800	150		mg/Kg	50	6/28/2021 11:40:05 AM	60865
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	8.7		mg/Kg	1	6/20/2021 7:45:47 AM	60744
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	6/20/2021 7:45:47 AM	60744
Surr: DNOP	92.0	70-130		%Rec	1	6/20/2021 7:45:47 AM	60744
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/23/2021 9:51:48 PM	60737
Surr: BFB	99.9	70-130		%Rec	1	6/23/2021 9:51:48 PM	60737
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	6/21/2021 9:35:00 PM	60737
Toluene	ND	0.050		mg/Kg	1	6/21/2021 9:35:00 PM	60737
Ethylbenzene	ND	0.050		mg/Kg	1	6/21/2021 9:35:00 PM	60737
Xylenes, Total	ND	0.10		mg/Kg	1	6/21/2021 9:35:00 PM	60737
Surr: 4-Bromofluorobenzene	84.4	70-130		%Rec	1	6/21/2021 9:35:00 PM	60737

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

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

Analytical Report

Lab Order: 2106982

Date Reported: 6/29/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Lab Order: 2106982

Project: NIX Curtis BH Battery

Lab ID: 2106982-007

Collection Date: 6/16/2021 1:15:00 PM

Client Sample ID: TP15-16

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	1700	60		mg/Kg	20	6/23/2021 8:05:36 PM	60865
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	6/20/2021 8:34:36 AM	60744
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/20/2021 8:34:36 AM	60744
Surr: DNOP	91.1	70-130		%Rec	1	6/20/2021 8:34:36 AM	60744
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/23/2021 10:15:19 PM	60737
Surr: BFB	99.8	70-130		%Rec	1	6/23/2021 10:15:19 PM	60737
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	6/21/2021 9:55:00 PM	60737
Toluene	ND	0.048		mg/Kg	1	6/21/2021 9:55:00 PM	60737
Ethylbenzene	ND	0.048		mg/Kg	1	6/21/2021 9:55:00 PM	60737
Xylenes, Total	ND	0.095		mg/Kg	1	6/21/2021 9:55:00 PM	60737
Surr: 4-Bromofluorobenzene	83.6	70-130		%Rec	1	6/21/2021 9:55:00 PM	60737

Lab ID: 2106982-008

Collection Date: 6/16/2021 1:35:00 PM

Client Sample ID: TP15-18

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	1700	60		mg/Kg	20	6/23/2021 8:18:01 PM	60865
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	6/20/2021 8:59:02 AM	60744
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/20/2021 8:59:02 AM	60744
Surr: DNOP	86.5	70-130		%Rec	1	6/20/2021 8:59:02 AM	60744
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/23/2021 10:38:48 PM	60737
Surr: BFB	96.9	70-130		%Rec	1	6/23/2021 10:38:48 PM	60737
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	6/21/2021 10:15:00 PM	60737
Toluene	ND	0.047		mg/Kg	1	6/21/2021 10:15:00 PM	60737
Ethylbenzene	ND	0.047		mg/Kg	1	6/21/2021 10:15:00 PM	60737
Xylenes, Total	ND	0.095		mg/Kg	1	6/21/2021 10:15:00 PM	60737
Surr: 4-Bromofluorobenzene	83.0	70-130		%Rec	1	6/21/2021 10:15:00 PM	60737

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

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

Analytical Report

Lab Order: 2106982

Date Reported: 6/29/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Lab Order: 2106982

Project: NIX Curtis BH Battery

Lab ID: 2106982-009

Collection Date: 6/16/2021 2:05:00 PM

Client Sample ID: TP16-2

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	2500	150		mg/Kg	50	6/28/2021 11:52:30 AM	60865
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	6/20/2021 9:23:36 AM	60744
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/20/2021 9:23:36 AM	60744
Surr: DNOP	95.0	70-130		%Rec	1	6/20/2021 9:23:36 AM	60744
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/23/2021 11:02:16 PM	60737
Surr: BFB	97.9	70-130		%Rec	1	6/23/2021 11:02:16 PM	60737
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	6/21/2021 10:35:00 PM	60737
Toluene	ND	0.047		mg/Kg	1	6/21/2021 10:35:00 PM	60737
Ethylbenzene	ND	0.047		mg/Kg	1	6/21/2021 10:35:00 PM	60737
Xylenes, Total	ND	0.095		mg/Kg	1	6/21/2021 10:35:00 PM	60737
Surr: 4-Bromofluorobenzene	84.0	70-130		%Rec	1	6/21/2021 10:35:00 PM	60737

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

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

Analytical Report

Lab Order: 2106982

Date Reported: 6/29/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Project: NIX Curtis BH Battery

Lab Order: 2106982

Lab ID: 2106982-010

Collection Date: 6/16/2021 2:10:00 PM

Client Sample ID: TP16-6

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	460	60		mg/Kg	20	6/23/2021 9:07:39 PM	60865
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	6/20/2021 9:48:02 AM	60744
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/20/2021 9:48:02 AM	60744
Surr: DNOP	91.4	70-130		%Rec	1	6/20/2021 9:48:02 AM	60744
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/23/2021 11:25:52 PM	60737
Surr: BFB	99.7	70-130		%Rec	1	6/23/2021 11:25:52 PM	60737
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.023		mg/Kg	1	6/21/2021 10:55:00 PM	60737
Toluene	ND	0.047		mg/Kg	1	6/21/2021 10:55:00 PM	60737
Ethylbenzene	ND	0.047		mg/Kg	1	6/21/2021 10:55:00 PM	60737
Xylenes, Total	ND	0.093		mg/Kg	1	6/21/2021 10:55:00 PM	60737
Surr: 4-Bromofluorobenzene	85.6	70-130		%Rec	1	6/21/2021 10:55:00 PM	60737

Lab ID: 2106982-011

Collection Date: 6/16/2021 2:15:00 PM

Client Sample ID: TP17-S

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	6/23/2021 9:20:04 PM	60865
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	6/21/2021 9:25:30 PM	60744
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/21/2021 9:25:30 PM	60744
Surr: DNOP	95.0	70-130		%Rec	1	6/21/2021 9:25:30 PM	60744
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/23/2021 11:49:14 PM	60737
Surr: BFB	99.3	70-130		%Rec	1	6/23/2021 11:49:14 PM	60737
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	6/21/2021 11:14:00 PM	60737
Toluene	ND	0.048		mg/Kg	1	6/21/2021 11:14:00 PM	60737
Ethylbenzene	ND	0.048		mg/Kg	1	6/21/2021 11:14:00 PM	60737
Xylenes, Total	ND	0.096		mg/Kg	1	6/21/2021 11:14:00 PM	60737
Surr: 4-Bromofluorobenzene	87.2	70-130		%Rec	1	6/21/2021 11:14:00 PM	60737

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

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

Analytical Report

Lab Order: 2106982

Date Reported: 6/29/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Lab Order: 2106982

Project: NIX Curtis BH Battery

Lab ID: 2106982-012

Collection Date: 6/16/2021 2:20:00 PM

Client Sample ID: TP17-2

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	560	60		mg/Kg	20	6/23/2021 9:32:28 PM	60865
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	6/20/2021 10:36:57 AM	60744
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	6/20/2021 10:36:57 AM	60744
Surr: DNOP	70.2	70-130		%Rec	1	6/20/2021 10:36:57 AM	60744
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/24/2021 12:12:42 AM	60737
Surr: BFB	98.4	70-130		%Rec	1	6/24/2021 12:12:42 AM	60737
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	6/21/2021 11:34:00 PM	60737
Toluene	ND	0.048		mg/Kg	1	6/21/2021 11:34:00 PM	60737
Ethylbenzene	ND	0.048		mg/Kg	1	6/21/2021 11:34:00 PM	60737
Xylenes, Total	ND	0.096		mg/Kg	1	6/21/2021 11:34:00 PM	60737
Surr: 4-Bromofluorobenzene	85.6	70-130		%Rec	1	6/21/2021 11:34:00 PM	60737

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

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

Analytical Report

Lab Order: 2106982

Date Reported: 6/29/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Lab Order: 2106982

Project: NIX Curtis BH Battery

Lab ID: 2106982-013

Collection Date: 6/16/2021 2:45:00 PM

Client Sample ID: TP18-S

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	ND	60		mg/Kg	20	6/25/2021 1:03:06 AM	60890
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/26/2021 4:12:01 PM	60799
Surr: BFB	92.8	70-130		%Rec	1	6/26/2021 4:12:01 PM	60799
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	6/25/2021 7:22:40 PM	60876
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/25/2021 7:22:40 PM	60876
Surr: DNOP	41.4	70-130	S	%Rec	1	6/25/2021 7:22:40 PM	60876
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Benzene	ND	0.024		mg/Kg	1	6/26/2021 4:12:01 PM	60799
Toluene	ND	0.048		mg/Kg	1	6/26/2021 4:12:01 PM	60799
Ethylbenzene	ND	0.048		mg/Kg	1	6/26/2021 4:12:01 PM	60799
Xylenes, Total	ND	0.097		mg/Kg	1	6/26/2021 4:12:01 PM	60799
Surr: 1,2-Dichloroethane-d4	110	70-130		%Rec	1	6/26/2021 4:12:01 PM	60799
Surr: 4-Bromofluorobenzene	98.2	70-130		%Rec	1	6/26/2021 4:12:01 PM	60799
Surr: Dibromofluoromethane	84.5	70-130		%Rec	1	6/26/2021 4:12:01 PM	60799
Surr: Toluene-d8	105	70-130		%Rec	1	6/26/2021 4:12:01 PM	60799

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

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

Analytical Report

Lab Order: 2106982

Date Reported: 6/29/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Lab Order: 2106982

Project: NIX Curtis BH Battery

Lab ID: 2106982-014

Collection Date: 6/16/2021 2:50:00 PM

Client Sample ID: TP18-2

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	220	59		mg/Kg	20	6/25/2021 1:40:20 AM	60890
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/26/2021 5:37:57 PM	60799
Surr: BFB	95.5	70-130		%Rec	1	6/26/2021 5:37:57 PM	60799
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	6/25/2021 8:36:32 PM	60876
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/25/2021 8:36:32 PM	60876
Surr: DNOP	44.7	70-130	S	%Rec	1	6/25/2021 8:36:32 PM	60876
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Benzene	ND	0.024		mg/Kg	1	6/26/2021 5:37:57 PM	60799
Toluene	ND	0.049		mg/Kg	1	6/26/2021 5:37:57 PM	60799
Ethylbenzene	ND	0.049		mg/Kg	1	6/26/2021 5:37:57 PM	60799
Xylenes, Total	ND	0.098		mg/Kg	1	6/26/2021 5:37:57 PM	60799
Surr: 1,2-Dichloroethane-d4	112	70-130		%Rec	1	6/26/2021 5:37:57 PM	60799
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	6/26/2021 5:37:57 PM	60799
Surr: Dibromofluoromethane	84.1	70-130		%Rec	1	6/26/2021 5:37:57 PM	60799
Surr: Toluene-d8	108	70-130		%Rec	1	6/26/2021 5:37:57 PM	60799

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

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

Analytical Report

Lab Order: 2106982

Date Reported: 6/29/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Lab Order: 2106982

Project: NIX Curtis BH Battery

Lab ID: 2106982-015

Collection Date: 6/16/2021 3:05:00 PM

Client Sample ID: TP19-2

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	1400	60		mg/Kg	20	6/25/2021 2:42:21 AM	60890
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/26/2021 7:03:42 PM	60799
Surr: BFB	95.0	70-130		%Rec	1	6/26/2021 7:03:42 PM	60799
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	6/25/2021 9:01:11 PM	60876
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/25/2021 9:01:11 PM	60876
Surr: DNOP	93.1	70-130		%Rec	1	6/25/2021 9:01:11 PM	60876
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Benzene	ND	0.025		mg/Kg	1	6/26/2021 7:03:42 PM	60799
Toluene	ND	0.050		mg/Kg	1	6/26/2021 7:03:42 PM	60799
Ethylbenzene	ND	0.050		mg/Kg	1	6/26/2021 7:03:42 PM	60799
Xylenes, Total	ND	0.10		mg/Kg	1	6/26/2021 7:03:42 PM	60799
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	1	6/26/2021 7:03:42 PM	60799
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	6/26/2021 7:03:42 PM	60799
Surr: Dibromofluoromethane	80.0	70-130		%Rec	1	6/26/2021 7:03:42 PM	60799
Surr: Toluene-d8	108	70-130		%Rec	1	6/26/2021 7:03:42 PM	60799

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

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

Analytical Report

Lab Order: 2106982

Date Reported: 6/29/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Lab Order: 2106982

Project: NIX Curtis BH Battery

Lab ID: 2106982-016

Collection Date: 6/16/2021 3:10:00 PM

Client Sample ID: TP19-6

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	2100	60		mg/Kg	20	6/25/2021 2:54:46 AM	60890
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/26/2021 7:32:15 PM	60799
Surr: BFB	91.4	70-130		%Rec	1	6/26/2021 7:32:15 PM	60799
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	8.7		mg/Kg	1	6/25/2021 9:50:07 PM	60876
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	6/25/2021 9:50:07 PM	60876
Surr: DNOP	76.7	70-130		%Rec	1	6/25/2021 9:50:07 PM	60876
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Benzene	ND	0.024		mg/Kg	1	6/26/2021 7:32:15 PM	60799
Toluene	ND	0.047		mg/Kg	1	6/26/2021 7:32:15 PM	60799
Ethylbenzene	ND	0.047		mg/Kg	1	6/26/2021 7:32:15 PM	60799
Xylenes, Total	ND	0.095		mg/Kg	1	6/26/2021 7:32:15 PM	60799
Surr: 1,2-Dichloroethane-d4	107	70-130		%Rec	1	6/26/2021 7:32:15 PM	60799
Surr: 4-Bromofluorobenzene	96.8	70-130		%Rec	1	6/26/2021 7:32:15 PM	60799
Surr: Dibromofluoromethane	80.1	70-130		%Rec	1	6/26/2021 7:32:15 PM	60799
Surr: Toluene-d8	109	70-130		%Rec	1	6/26/2021 7:32:15 PM	60799

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

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

Analytical Report

Lab Order: 2106982

Date Reported: 6/29/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Lab Order: 2106982

Project: NIX Curtis BH Battery

Lab ID: 2106982-017

Collection Date: 6/16/2021 3:40:00 PM

Client Sample ID: TP19-10

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	1300	60		mg/Kg	20	6/25/2021 3:07:10 AM	60890
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/26/2021 8:00:46 PM	60799
Surr: BFB	95.9	70-130		%Rec	1	6/26/2021 8:00:46 PM	60799
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	6/25/2021 10:14:34 PM	60876
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/25/2021 10:14:34 PM	60876
Surr: DNOP	77.9	70-130		%Rec	1	6/25/2021 10:14:34 PM	60876
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Benzene	ND	0.025		mg/Kg	1	6/26/2021 8:00:46 PM	60799
Toluene	ND	0.049		mg/Kg	1	6/26/2021 8:00:46 PM	60799
Ethylbenzene	ND	0.049		mg/Kg	1	6/26/2021 8:00:46 PM	60799
Xylenes, Total	ND	0.099		mg/Kg	1	6/26/2021 8:00:46 PM	60799
Surr: 1,2-Dichloroethane-d4	105	70-130		%Rec	1	6/26/2021 8:00:46 PM	60799
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	6/26/2021 8:00:46 PM	60799
Surr: Dibromofluoromethane	82.4	70-130		%Rec	1	6/26/2021 8:00:46 PM	60799
Surr: Toluene-d8	106	70-130		%Rec	1	6/26/2021 8:00:46 PM	60799

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

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

Analytical Report

Lab Order: 2106982

Date Reported: 6/29/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Lab Order: 2106982

Project: NIX Curtis BH Battery

Lab ID: 2106982-018

Collection Date: 6/16/2021 3:50:00 PM

Client Sample ID: TP19-12

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	1100	60		mg/Kg	20	6/25/2021 3:19:34 AM	60890
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/26/2021 8:29:17 PM	60799
Surr: BFB	94.6	70-130		%Rec	1	6/26/2021 8:29:17 PM	60799
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	6/25/2021 10:39:10 PM	60876
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	6/25/2021 10:39:10 PM	60876
Surr: DNOP	70.1	70-130		%Rec	1	6/25/2021 10:39:10 PM	60876
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Benzene	ND	0.025		mg/Kg	1	6/26/2021 8:29:17 PM	60799
Toluene	ND	0.049		mg/Kg	1	6/26/2021 8:29:17 PM	60799
Ethylbenzene	ND	0.049		mg/Kg	1	6/26/2021 8:29:17 PM	60799
Xylenes, Total	ND	0.099		mg/Kg	1	6/26/2021 8:29:17 PM	60799
Surr: 1,2-Dichloroethane-d4	114	70-130		%Rec	1	6/26/2021 8:29:17 PM	60799
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	6/26/2021 8:29:17 PM	60799
Surr: Dibromofluoromethane	79.9	70-130		%Rec	1	6/26/2021 8:29:17 PM	60799
Surr: Toluene-d8	110	70-130		%Rec	1	6/26/2021 8:29:17 PM	60799

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

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

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

WO#: 2106982

29-Jun-21

Client: GHD
Project: NIX Curtis BH Battery

Sample ID: MB-60811	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 60811	RunNo: 79253								
Prep Date: 6/22/2021	Analysis Date: 6/22/2021	SeqNo: 2784085 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-60811	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 60811	RunNo: 79253								
Prep Date: 6/22/2021	Analysis Date: 6/22/2021	SeqNo: 2784086 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	90.8	90	110			

Sample ID: MB-60865	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 60865	RunNo: 79312								
Prep Date: 6/23/2021	Analysis Date: 6/23/2021	SeqNo: 2785780 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-60865	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 60865	RunNo: 79312								
Prep Date: 6/23/2021	Analysis Date: 6/23/2021	SeqNo: 2785781 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.7	90	110			

Sample ID: MB-60890	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 60890	RunNo: 79336								
Prep Date: 6/24/2021	Analysis Date: 6/25/2021	SeqNo: 2788102 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-60890	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 60890	RunNo: 79336								
Prep Date: 6/24/2021	Analysis Date: 6/25/2021	SeqNo: 2788103 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.6	90	110			

Qualifiers:

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

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

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

WO#: 2106982

29-Jun-21

Client: GHD
Project: NIX Curtis BH Battery

Sample ID: LCS-60744	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 60744			RunNo: 79223						
Prep Date: 6/18/2021	Analysis Date: 6/20/2021			SeqNo: 2781762		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	87.1	68.9	141			
Surr: DNOP	4.6		5.000		92.5	70	130			

Sample ID: MB-60744	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 60744			RunNo: 79223						
Prep Date: 6/18/2021	Analysis Date: 6/20/2021			SeqNo: 2781766		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.9		10.00		99.3	70	130			

Sample ID: LCS-60867	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 60867			RunNo: 79325						
Prep Date: 6/23/2021	Analysis Date: 6/24/2021			SeqNo: 2787407		Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.3		5.000		85.6	70	130			

Sample ID: LCS-60872	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 60872			RunNo: 79325						
Prep Date: 6/23/2021	Analysis Date: 6/25/2021			SeqNo: 2787408		Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.0		5.000		79.7	70	130			

Sample ID: MB-60867	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 60867			RunNo: 79325						
Prep Date: 6/23/2021	Analysis Date: 6/24/2021			SeqNo: 2787409		Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.7		10.00		86.7	70	130			

Sample ID: MB-60872	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 60872			RunNo: 79325						
Prep Date: 6/23/2021	Analysis Date: 6/24/2021			SeqNo: 2787410		Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.4		10.00		93.6	70	130			

Qualifiers:

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

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

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

WO#: 2106982

29-Jun-21

Client: GHD
Project: NIX Curtis BH Battery

Sample ID: LCS-60869	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 60869			RunNo: 79364						
Prep Date: 6/23/2021	Analysis Date: 6/26/2021			SeqNo: 2789111	Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	6.0		5.000		119	70	130			

Sample ID: MB-60869	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 60869			RunNo: 79364						
Prep Date: 6/23/2021	Analysis Date: 6/26/2021			SeqNo: 2789122	Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	11		10.00		107	70	130			

Sample ID: 2106982-013AMS	SampType: MS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: TP18-S	Batch ID: 60876			RunNo: 79325						
Prep Date: 6/23/2021	Analysis Date: 6/25/2021			SeqNo: 2789176	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	35	9.4	46.99	0	74.1	15	184			
Surr: DNOP	1.8		4.699		37.7	70	130			S

Sample ID: 2106982-013AMSD	SampType: MSD			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: TP18-S	Batch ID: 60876			RunNo: 79325						
Prep Date: 6/23/2021	Analysis Date: 6/25/2021			SeqNo: 2789177	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	27	10	49.85	0	54.1	15	184	25.5	23.9	R
Surr: DNOP	1.3		4.985		26.1	70	130	0	0	S

Sample ID: LCS-60871	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 60871			RunNo: 79325						
Prep Date: 6/23/2021	Analysis Date: 6/26/2021			SeqNo: 2789215	Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	3.7		5.000		73.3	70	130			

Sample ID: LCS-60876	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 60876			RunNo: 79325						
Prep Date: 6/23/2021	Analysis Date: 6/25/2021			SeqNo: 2789216	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	94.7	68.9	141			
Surr: DNOP	4.2		5.000		83.2	70	130			

Qualifiers:

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

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

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

WO#: 2106982

29-Jun-21

Client: GHD
Project: NIX Curtis BH Battery

Sample ID: MB-60871	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 60871			RunNo: 79325						
Prep Date: 6/23/2021	Analysis Date: 6/26/2021			SeqNo: 2789217	Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.0		10.00		79.6	70	130			

Sample ID: MB-60876	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 60876			RunNo: 79325						
Prep Date: 6/23/2021	Analysis Date: 6/25/2021			SeqNo: 2789218	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.3		10.00		92.6	70	130			

Sample ID: MB-60873	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 60873			RunNo: 79364						
Prep Date: 6/23/2021	Analysis Date: 6/26/2021			SeqNo: 2789298	Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.2		10.00		82.0	70	130			

Sample ID: LCS-60873	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 60873			RunNo: 79364						
Prep Date: 6/23/2021	Analysis Date: 6/26/2021			SeqNo: 2789299	Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.1		5.000		81.0	70	130			

Sample ID: MB-60915	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 60915			RunNo: 79325						
Prep Date: 6/24/2021	Analysis Date: 6/26/2021			SeqNo: 2789501	Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.8		10.00		98.4	70	130			

Sample ID: MB-60900	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 60900			RunNo: 79325						
Prep Date: 6/24/2021	Analysis Date: 6/26/2021			SeqNo: 2789502	Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.4		10.00		93.6	70	130			

Qualifiers:

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

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

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

WO#: 2106982

29-Jun-21

Client: GHD**Project:** NIX Curtis BH Battery

Sample ID: LCS-60915	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 60915			RunNo: 79325						
Prep Date: 6/24/2021	Analysis Date: 6/26/2021			SeqNo: 2789503		Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.7		5.000		93.7	70	130			

Sample ID: LCS-60900	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 60900			RunNo: 79325						
Prep Date: 6/24/2021	Analysis Date: 6/26/2021			SeqNo: 2789504		Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.3		5.000		85.2	70	130			

Qualifiers:

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

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

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

WO#: 2106982

29-Jun-21

Client: GHD
Project: NIX Curtis BH Battery

Sample ID: mb-60737	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 60737		RunNo: 79273							
Prep Date: 6/18/2021	Analysis Date: 6/22/2021		SeqNo: 2784144		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	910		1000		91.2	70	130			

Sample ID: lcs-60737	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 60737		RunNo: 79273							
Prep Date: 6/18/2021	Analysis Date: 6/22/2021		SeqNo: 2784145		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	97.8	78.6	131			
Surr: BFB	1000		1000		100	70	130			

Qualifiers:

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

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

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

WO#: 2106982

29-Jun-21

Client: GHD
Project: NIX Curtis BH Battery

Sample ID: mb-60737	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 60737	RunNo: 79237								
Prep Date: 6/18/2021	Analysis Date: 6/21/2021	SeqNo: 2782613	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.85		1.000		85.0	70	130			

Sample ID: lcs-60737	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 60737	RunNo: 79237								
Prep Date: 6/18/2021	Analysis Date: 6/21/2021	SeqNo: 2782614	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.025	1.000	0	89.0	80	120			
Toluene	0.89	0.050	1.000	0	88.6	80	120			
Ethylbenzene	0.90	0.050	1.000	0	90.3	80	120			
Xylenes, Total	2.7	0.10	3.000	0	89.1	80	120			
Surr: 4-Bromofluorobenzene	0.87		1.000		86.5	70	130			

Qualifiers:

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

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

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

WO#: 2106982

29-Jun-21

Client: GHD
Project: NIX Curtis BH Battery

Sample ID: lcs-60799	SampType: LCS4	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: BatchQC	Batch ID: 60799	RunNo: 79394								
Prep Date: 6/21/2021	Analysis Date: 6/26/2021	SeqNo: 2790446			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	94.7	80	120			
Toluene	1.1	0.050	1.000	0	106	80	120			
Ethylbenzene	1.0	0.050	1.000	0	103	80	120			
Xylenes, Total	3.2	0.10	3.000	0	107	80	120			
Surr: 1,2-Dichloroethane-d4	0.56		0.5000		112	70	130			
Surr: 4-Bromofluorobenzene	0.50		0.5000		101	70	130			
Surr: Dibromofluoromethane	0.44		0.5000		89.0	70	130			
Surr: Toluene-d8	0.53		0.5000		107	70	130			

Sample ID: mb-60799	SampType: MBLK	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: PBS	Batch ID: 60799	RunNo: 79394								
Prep Date: 6/21/2021	Analysis Date: 6/26/2021	SeqNo: 2790447			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: 1,2-Dichloroethane-d4	0.55		0.5000		110	70	130			
Surr: 4-Bromofluorobenzene	0.48		0.5000		96.1	70	130			
Surr: Dibromofluoromethane	0.40		0.5000		80.6	70	130			
Surr: Toluene-d8	0.55		0.5000		110	70	130			

Sample ID: 2106982-014ams	SampType: MS4	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: TP18-2	Batch ID: 60799	RunNo: 79394								
Prep Date: 6/21/2021	Analysis Date: 6/26/2021	SeqNo: 2790450			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	0.9940	0	91.7	73.5	138			
Toluene	1.1	0.050	0.9940	0	114	83	131			
Ethylbenzene	1.1	0.050	0.9940	0	114	84.9	132			
Xylenes, Total	3.3	0.099	2.982	0	110	79.6	144			
Surr: 1,2-Dichloroethane-d4	0.52		0.4970		105	70	130			
Surr: 4-Bromofluorobenzene	0.52		0.4970		104	70	130			
Surr: Dibromofluoromethane	0.41		0.4970		81.7	70	130			
Surr: Toluene-d8	0.53		0.4970		107	70	130			

Qualifiers:

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

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2106982

29-Jun-21

Client: GHD
Project: NIX Curtis BH Battery

Sample ID: 2106982-014amsd	SampType: MSD4	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: TP18-2	Batch ID: 60799	RunNo: 79394								
Prep Date: 6/21/2021	Analysis Date: 6/26/2021	SeqNo: 2790451	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.84	0.025	0.9930	0	84.2	73.5	138	8.59	20	
Toluene	1.1	0.050	0.9930	0	110	83	131	4.07	20	
Ethylbenzene	1.1	0.050	0.9930	0	109	84.9	132	4.57	20	
Xylenes, Total	3.2	0.099	2.979	0	106	79.6	144	3.58	20	
Surr: 1,2-Dichloroethane-d4	0.55		0.4965		111	70	130	0	0	
Surr: 4-Bromofluorobenzene	0.53		0.4965		107	70	130	0	0	
Surr: Dibromofluoromethane	0.39		0.4965		78.0	70	130	0	0	
Surr: Toluene-d8	0.55		0.4965		111	70	130	0	0	

Qualifiers:

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

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

Page 23 of 24

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

WO#: 2106982

29-Jun-21

Client: GHD
Project: NIX Curtis BH Battery

Sample ID: ics-60799	SampType: LCS		TestCode: EPA Method 8015D Mod: Gasoline Range							
Client ID: LCSS	Batch ID: 60799		RunNo: 79394							
Prep Date: 6/21/2021	Analysis Date: 6/26/2021		SeqNo: 2790467		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	110	70	130			
Surr: BFB	460		500.0		91.3	70	130			

Sample ID: mb-60799	SampType: MBLK		TestCode: EPA Method 8015D Mod: Gasoline Range							
Client ID: PBS	Batch ID: 60799		RunNo: 79394							
Prep Date: 6/21/2021	Analysis Date: 6/26/2021		SeqNo: 2790468		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	460		500.0		91.2	70	130			

Sample ID: 2106982-013ams	SampType: MS		TestCode: EPA Method 8015D Mod: Gasoline Range							
Client ID: TP18-S	Batch ID: 60799		RunNo: 79394							
Prep Date: 6/21/2021	Analysis Date: 6/26/2021		SeqNo: 2790470		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	4.9	24.70	1.986	106	64.4	124			
Surr: BFB	470		494.1		94.2	70	130			

Sample ID: 2106982-013amsd	SampType: MSD		TestCode: EPA Method 8015D Mod: Gasoline Range							
Client ID: TP18-S	Batch ID: 60799		RunNo: 79394							
Prep Date: 6/21/2021	Analysis Date: 6/26/2021		SeqNo: 2790471		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	4.9	24.58	1.986	105	64.4	124	1.34	20	
Surr: BFB	470		491.6		94.8	70	130	0	0	

Qualifiers:

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

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit



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

Sample Log-In Check List

Client Name: **GHD**Work Order Number: **2106982**RcptNo: **1**Received By: **Cheyenne Cason** 6/18/2021 7:40:00 AMCompleted By: **Cheyenne Cason** 6/18/2021 8:11:56 AMReviewed By: **DAD 6.18.21**

Chain of Custody

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

Log In

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

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by: **KTG 6/18/21**

Special Handling (if applicable)

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

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.2	Good				

Chain-of-Custody Record

Client: GHD

Mailing Address:

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

Phone #: (505)377-4218

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

QA/QC Package:

☐ Standard

☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC

☐ Other

☐ EDD (Type)

Project Manager:

Becky Haskell

Tom Larson

Sampler: Zach Comino

On Ice: ☒ Yes ☐ No

of Coolers: 1

Cooler Temp (including CF): 3.3 - 0.1 - 3.2

Container Type and #

Preservative Type

HEAL No.

2106982

Date Time Matrix Sample Name

06/16/21 0910 S TP13-18

0920 TP13-20

0955 TP14-2

1000 TP14-6

1015 TP15-2

1035 TP15-10

1315 TP15-16

1335 TP15-18

1405 TP16-2

1410 TP16-6

1415 TP17-8

1420 TP17-2

Date: 06/17/21

Time: 0800

Relinquished by: Zach Comino

Date: 06/17/21

Time: 1900

Relinquished by: Becky Haskell

Turn-Around Time:

☒ Standard

☐ Rush

Project Name:

Dix Creek BH Battery

Project #:

11228980

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

8081 Pesticides/8082 PCB's
EDB (Method 504.1)
PAHs by 8310 or 8270SIMS
RCRA 8 Metals
Cl, F, Br, NO₃, NO₂, PO₄, SO₄
8260 (VOA)
8270 (Semi-VOA)
Total Coliform (Present/Absent)

BTEX / MTBE / TMB's (8021)
TPH:8015D(GRO / DRO / MRO)

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



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

July 01, 2021

Becky Haskell

GHD

6121 Indian School Road, NE #200

Albuquerque, NM 87110

TEL: (505) 884-0672

FAX:

RE: Nix Curtis BH Battery

OrderNo.: 2106A60

Dear Becky Haskell:

Hall Environmental Analysis Laboratory received 6 sample(s) on 6/19/2021 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order: 2106A60

Date Reported: 7/1/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Lab Order: 2106A60

Project: Nix Curtis BH Battery

Lab ID: 2106A60-001

Collection Date: 6/17/2021 8:15:00 AM

Client Sample ID: TP20-S

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	290	60		mg/Kg	20	6/24/2021 9:32:11 PM	60891
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	6/26/2021 5:58:35 AM	60871
Motor Oil Range Organics (MRO)	ND	51		mg/Kg	1	6/26/2021 5:58:35 AM	60871
Surr: DNOP	57.8	70-130	S	%Rec	1	6/26/2021 5:58:35 AM	60871
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	6/28/2021 6:07:00 AM	60830
Surr: BFB	88.0	70-130		%Rec	1	6/28/2021 6:07:00 AM	60830
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.023		mg/Kg	1	6/28/2021 6:07:00 AM	60830
Toluene	ND	0.046		mg/Kg	1	6/28/2021 6:07:00 AM	60830
Ethylbenzene	ND	0.046		mg/Kg	1	6/28/2021 6:07:00 AM	60830
Xylenes, Total	ND	0.092		mg/Kg	1	6/28/2021 6:07:00 AM	60830
Surr: 4-Bromofluorobenzene	88.4	70-130		%Rec	1	6/28/2021 6:07:00 AM	60830

Lab ID: 2106A60-002

Collection Date: 6/17/2021 8:20:00 AM

Client Sample ID: TP20-2

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	ND	60		mg/Kg	20	6/24/2021 9:44:35 PM	60891
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	6/26/2021 6:22:55 AM	60871
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/26/2021 6:22:55 AM	60871
Surr: DNOP	96.7	70-130		%Rec	1	6/26/2021 6:22:55 AM	60871
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/28/2021 6:27:00 AM	60830
Surr: BFB	90.1	70-130		%Rec	1	6/28/2021 6:27:00 AM	60830
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	6/28/2021 6:27:00 AM	60830
Toluene	ND	0.048		mg/Kg	1	6/28/2021 6:27:00 AM	60830
Ethylbenzene	ND	0.048		mg/Kg	1	6/28/2021 6:27:00 AM	60830
Xylenes, Total	ND	0.096		mg/Kg	1	6/28/2021 6:27:00 AM	60830
Surr: 4-Bromofluorobenzene	90.1	70-130		%Rec	1	6/28/2021 6:27:00 AM	60830

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

Qualifiers:

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

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Analytical Report

Lab Order: 2106A60

Date Reported: 7/1/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Lab Order: 2106A60

Project: Nix Curtis BH Battery

Lab ID: 2106A60-003

Collection Date: 6/17/2021 8:50:00 AM

Client Sample ID: TP21-2

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	2100	61		mg/Kg	20	6/24/2021 9:57:00 PM	60891
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	6/26/2021 6:47:22 AM	60871
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/26/2021 6:47:22 AM	60871
Surr: DNOP	78.1	70-130		%Rec	1	6/26/2021 6:47:22 AM	60871
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	6/28/2021 6:47:00 AM	60830
Surr: BFB	95.9	70-130		%Rec	1	6/28/2021 6:47:00 AM	60830
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.023		mg/Kg	1	6/28/2021 6:47:00 AM	60830
Toluene	ND	0.046		mg/Kg	1	6/28/2021 6:47:00 AM	60830
Ethylbenzene	ND	0.046		mg/Kg	1	6/28/2021 6:47:00 AM	60830
Xylenes, Total	ND	0.092		mg/Kg	1	6/28/2021 6:47:00 AM	60830
Surr: 4-Bromofluorobenzene	92.8	70-130		%Rec	1	6/28/2021 6:47:00 AM	60830

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

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

Analytical Report

Lab Order: 2106A60

Date Reported: 7/1/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Lab Order: 2106A60

Project: Nix Curtis BH Battery

Lab ID: 2106A60-004

Collection Date: 6/17/2021 8:55:00 AM

Client Sample ID: TP21-4

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	430	60		mg/Kg	20	6/24/2021 10:09:24 PM	60891
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	8.8		mg/Kg	1	6/26/2021 7:11:35 AM	60871
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	6/26/2021 7:11:35 AM	60871
Surr: DNOP	71.2	70-130		%Rec	1	6/26/2021 7:11:35 AM	60871
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	6/26/2021 10:07:17 PM	60834
Surr: BFB	98.4	70-130		%Rec	1	6/26/2021 10:07:17 PM	60834
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	6/26/2021 10:07:17 PM	60834
Toluene	ND	0.046		mg/Kg	1	6/26/2021 10:07:17 PM	60834
Ethylbenzene	ND	0.046		mg/Kg	1	6/26/2021 10:07:17 PM	60834
Xylenes, Total	ND	0.093		mg/Kg	1	6/26/2021 10:07:17 PM	60834
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	6/26/2021 10:07:17 PM	60834

Lab ID: 2106A60-005

Collection Date: 6/17/2021 9:10:00 AM

Client Sample ID: TP22-S

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	ND	60		mg/Kg	20	6/24/2021 10:21:49 PM	60891
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	6/26/2021 7:35:58 AM	60871
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/26/2021 7:35:58 AM	60871
Surr: DNOP	57.7	70-130	S	%Rec	1	6/26/2021 7:35:58 AM	60871
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/26/2021 11:17:58 PM	60834
Surr: BFB	103	70-130		%Rec	1	6/26/2021 11:17:58 PM	60834
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	6/26/2021 11:17:58 PM	60834
Toluene	ND	0.047		mg/Kg	1	6/26/2021 11:17:58 PM	60834
Ethylbenzene	ND	0.047		mg/Kg	1	6/26/2021 11:17:58 PM	60834
Xylenes, Total	ND	0.094		mg/Kg	1	6/26/2021 11:17:58 PM	60834
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	6/26/2021 11:17:58 PM	60834

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

Qualifiers:

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

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Analytical Report

Lab Order: 2106A60

Date Reported: 7/1/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Lab Order: 2106A60

Project: Nix Curtis BH Battery

Lab ID: 2106A60-006

Collection Date: 6/17/2021 9:15:00 AM

Client Sample ID: TP22-2

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	ND	60		mg/Kg	20	6/24/2021 10:34:13 PM	60891
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	6/26/2021 8:00:14 AM	60871
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/26/2021 8:00:14 AM	60871
Surr: DNOP	75.5	70-130		%Rec	1	6/26/2021 8:00:14 AM	60871
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/27/2021 12:28:14 AM	60834
Surr: BFB	108	70-130		%Rec	1	6/27/2021 12:28:14 AM	60834
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	6/27/2021 12:28:14 AM	60834
Toluene	ND	0.048		mg/Kg	1	6/27/2021 12:28:14 AM	60834
Ethylbenzene	ND	0.048		mg/Kg	1	6/27/2021 12:28:14 AM	60834
Xylenes, Total	ND	0.097		mg/Kg	1	6/27/2021 12:28:14 AM	60834
Surr: 4-Bromofluorobenzene	111	70-130		%Rec	1	6/27/2021 12:28:14 AM	60834

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

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2106A60

01-Jul-21

Client: GHD

Project: Nix Curtis BH Battery

Sample ID: MB-60891	SampType: mblk	TestCode: EPA Method 300.0: Anions
Client ID: PBS	Batch ID: 60891	RunNo: 79336
Prep Date: 6/24/2021	Analysis Date: 6/24/2021	SeqNo: 2788070 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	ND	1.5

Sample ID: LCS-60891	SampType: lcs	TestCode: EPA Method 300.0: Anions
Client ID: LCSS	Batch ID: 60891	RunNo: 79336
Prep Date: 6/24/2021	Analysis Date: 6/24/2021	SeqNo: 2788071 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	14	1.5 15.00 0 95.4 90 110

Qualifiers:

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

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

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

WO#: 2106A60

01-Jul-21

Client: GHD**Project:** Nix Curtis BH Battery

Sample ID: LCS-60867	SampType: LCS				TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: LCSS	Batch ID: 60867				RunNo: 79325					
Prep Date: 6/23/2021	Analysis Date: 6/24/2021				SeqNo: 2787407	Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.3		5.000		85.6	70	130			

Sample ID: MB-60867	SampType: MBLK				TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: PBS	Batch ID: 60867				RunNo: 79325					
Prep Date: 6/23/2021	Analysis Date: 6/24/2021				SeqNo: 2787409	Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.7		10.00		86.7	70	130			

Sample ID: LCS-60871	SampType: LCS				TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: LCSS	Batch ID: 60871				RunNo: 79325					
Prep Date: 6/23/2021	Analysis Date: 6/26/2021				SeqNo: 2789215	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	92.2	68.9	141			
Surr: DNOP	3.7		5.000		73.3	70	130			

Sample ID: LCS-60876	SampType: LCS				TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: LCSS	Batch ID: 60876				RunNo: 79325					
Prep Date: 6/23/2021	Analysis Date: 6/25/2021				SeqNo: 2789216	Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.2		5.000		83.2	70	130			

Sample ID: MB-60871	SampType: MBLK				TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: PBS	Batch ID: 60871				RunNo: 79325					
Prep Date: 6/23/2021	Analysis Date: 6/26/2021				SeqNo: 2789217	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.0		10.00		79.6	70	130			

Sample ID: MB-60876	SampType: MBLK				TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: PBS	Batch ID: 60876				RunNo: 79325					
Prep Date: 6/23/2021	Analysis Date: 6/25/2021				SeqNo: 2789218	Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.3		10.00		92.6	70	130			

Qualifiers:

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

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

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

WO#: 2106A60

01-Jul-21

Client: GHD
Project: Nix Curtis BH Battery

Sample ID: MB-60915	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 60915			RunNo: 79325						
Prep Date: 6/24/2021	Analysis Date: 6/26/2021			SeqNo: 2789501		Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.8		10.00		98.4	70	130			

Sample ID: LCS-60915	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 60915			RunNo: 79325						
Prep Date: 6/24/2021	Analysis Date: 6/26/2021			SeqNo: 2789503		Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.7		5.000		93.7	70	130			

Sample ID: MB-60925	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 60925			RunNo: 79364						
Prep Date: 6/25/2021	Analysis Date: 6/26/2021			SeqNo: 2789749		Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	11		10.00		109	70	130			

Sample ID: LCS-60925	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 60925			RunNo: 79364						
Prep Date: 6/25/2021	Analysis Date: 6/26/2021			SeqNo: 2789750		Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.6		5.000		112	70	130			

Sample ID: LCS-60942	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 60942			RunNo: 79325						
Prep Date: 6/26/2021	Analysis Date: 6/27/2021			SeqNo: 2789806		Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	3.7		5.000		74.6	70	130			

Sample ID: MB-60942	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 60942			RunNo: 79325						
Prep Date: 6/26/2021	Analysis Date: 6/27/2021			SeqNo: 2789807		Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	7.4		10.00		74.2	70	130			

Qualifiers:

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

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

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

WO#: 2106A60

01-Jul-21

Client: GHD
Project: Nix Curtis BH Battery

Sample ID: mb-60834	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 60834			RunNo: 79388						
Prep Date: 6/22/2021	Analysis Date: 6/26/2021			SeqNo: 2790058		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		106	70	130			

Sample ID: lcs-60834	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 60834			RunNo: 79388						
Prep Date: 6/22/2021	Analysis Date: 6/26/2021			SeqNo: 2790059		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	108	78.6	131			
Surr: BFB	1100		1000		115	70	130			

Sample ID: 2106a60-004ams	SampType: MS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: TP21-4	Batch ID: 60834			RunNo: 79388						
Prep Date: 6/22/2021	Analysis Date: 6/26/2021			SeqNo: 2790061		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	4.7	23.67	0	97.0	61.3	114			
Surr: BFB	1100		947.0		115	70	130			

Sample ID: 2106a60-004amsd	SampType: MSD			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: TP21-4	Batch ID: 60834			RunNo: 79388						
Prep Date: 6/22/2021	Analysis Date: 6/26/2021			SeqNo: 2790062		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	97.1	61.3	114	5.53	20	
Surr: BFB	1100		1000		112	70	130	0	0	

Sample ID: mb-60830	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 60830			RunNo: 79409						
Prep Date: 6/22/2021	Analysis Date: 6/28/2021			SeqNo: 2791288		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	940		1000		93.7	70	130			

Sample ID: lcs-60830	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 60830			RunNo: 79409						
Prep Date: 6/22/2021	Analysis Date: 6/28/2021			SeqNo: 2791290		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

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

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: 2106A60
01-Jul-21

Client: GHD
Project: Nix Curtis BH Battery

Sample ID: Ics-60830	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 60830	RunNo: 79409								
Prep Date: 6/22/2021	Analysis Date: 6/28/2021	SeqNo: 2791290		Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	93.7	78.6	131			
Surr: BFB	1000		1000		102	70	130			

Qualifiers:

- *

Value exceeds Maximum Contaminant Level.
- D

Sample Diluted Due to Matrix
- H

Holding times for preparation or analysis exceeded
- ND

Not Detected at the Reporting Limit
- PQL

Practical Quantitative Limit
- S

% Recovery outside of range due to dilution or matrix
- B

Analyte detected in the associated Method Blank
- E

Value above quantitation range
- J

Analyte detected below quantitation limits
- P

Sample pH Not In Range
- RL

Reporting Limit

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

WO#: 2106A60

01-Jul-21

Client: GHD
Project: Nix Curtis BH Battery

Sample ID: mb-60834	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 60834	RunNo: 79388								
Prep Date: 6/22/2021	Analysis Date: 6/26/2021	SeqNo: 2790116			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		109	70	130			

Sample ID: LCS-60834	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 60834	RunNo: 79388								
Prep Date: 6/22/2021	Analysis Date: 6/26/2021	SeqNo: 2790117			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	108	80	120			
Toluene	1.1	0.050	1.000	0	110	80	120			
Ethylbenzene	1.1	0.050	1.000	0	108	80	120			
Xylenes, Total	3.3	0.10	3.000	0	110	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		111	70	130			

Sample ID: 2106a60-005ams	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: TP22-S	Batch ID: 60834	RunNo: 79388								
Prep Date: 6/22/2021	Analysis Date: 6/26/2021	SeqNo: 2790120			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.024	0.9569	0	104	80	120			
Toluene	1.0	0.048	0.9569	0	109	80	120			
Ethylbenzene	1.1	0.048	0.9569	0	111	80	120			
Xylenes, Total	3.2	0.096	2.871	0	111	80	120			
Surr: 4-Bromofluorobenzene	1.1		0.9569		111	70	130			

Sample ID: 2106a60-005amsd	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: TP22-S	Batch ID: 60834	RunNo: 79388								
Prep Date: 6/22/2021	Analysis Date: 6/27/2021	SeqNo: 2790121			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.024	0.9551	0	97.3	80	120	7.00	20	
Toluene	1.0	0.048	0.9551	0	105	80	120	3.45	20	
Ethylbenzene	1.0	0.048	0.9551	0	107	80	120	3.19	20	
Xylenes, Total	3.1	0.096	2.865	0	107	80	120	4.02	20	
Surr: 4-Bromofluorobenzene	1.1		0.9551		110	70	130	0	0	

Qualifiers:

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

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

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

WO#: 2106A60

01-Jul-21

Client: GHD**Project:** Nix Curtis BH Battery

Sample ID: mb-60830	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 60830	RunNo: 79409								
Prep Date: 6/22/2021	Analysis Date: 6/28/2021	SeqNo: 2791399	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.91		1.000		91.1	70	130			

Sample ID: lcs-60830	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 60830	RunNo: 79409								
Prep Date: 6/22/2021	Analysis Date: 6/28/2021	SeqNo: 2791401	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	101	80	120			
Toluene	1.0	0.050	1.000	0	101	80	120			
Ethylbenzene	1.0	0.050	1.000	0	101	80	120			
Xylenes, Total	3.0	0.10	3.000	0	101	80	120			
Surr: 4-Bromofluorobenzene	0.91		1.000		90.6	70	130			

Qualifiers:

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

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit



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

Sample Log-In Check List

Client Name: **GHD**Work Order Number: **2106A60**RcptNo: **1**Received By: **Desiree Dominguez** 6/19/2021 8:40:00 AMCompleted By: **Desiree Dominguez** 6/19/2021 10:01:55 AMReviewed By: **JR 6/21/21**

JD
JD

Chain of Custody

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

Log In

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

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by: **DAD 6.19.21**

Special Handling (if applicable)

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

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.7	Good				

Chain-of-Custody Record

Client: GHD

Mailing Address:

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

Phone #: (505)377-4218

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

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)Accreditation: ☐ Az Compliance☐ NELAC ☐ Other☐ EDD (Type)

Turn-Around Time:

☒ Standard ☐ Rush 5-day

Project Name:

No. Curtis BH Betty

Project #:

11229322

Project Manager:

Becky Haskell

Tom Larson

Sampler: Zach Comino

On Ice: ☒ Yes ☐ No

of Coolers: 1

Cooler Temp (including OFI): 2.4 to 0.3 = 2.7°C

Date Time Matrix Sample Name

08/21/085

S

TP20-S

08/20/0820

TP20-2

08/20/0850

TP21-2

08/20/0855

TP21-4

08/20/0910

TP22-S

08/20/0915

TP22-2

Date:

08/20/0800

Relinquished by:

Zach Comino

Date:

08/21/1900

Relinquished by:

Becky Haskell

Received by:

Becky Haskell

Date

8/21/0800

Date

8/21/0840

Via:

Courier

Time

8:40

Time

8:40

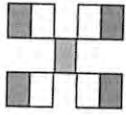
Remarks:

Please email: Chase_Settle@eogresources.com;

Tom.Larson@ghd.com; Zach.Comino@ghd.com: Along with

Becky Haskell listed above.

Direct Bill to EOG Chase Settle



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

TPH:8015D(GRO/DRO/MRO) ☒

8081 Pesticides/8082 PCB's ☒

EDB (Method 504.1) ☒

PAHs by 8310 or 8270SIMS ☒

RCRA 8 Metals ☒

Cl, F, Br, NO₃, NO₂, PO₄, SO₄ ☒

8260 (VOA) ☒

8270 (Semi-VOA) ☒

Total Coliform (Present/Absent) ☒



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

July 20, 2021

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

RE: Nix Curtis BH Battery

OrderNo.: 2107474

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 18 sample(s) on 7/10/2021 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order: 2107474

Date Reported: 7/20/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Nix Curtis BH Battery

Lab Order: 2107474**Lab ID:** 2107474-001**Collection Date:** 7/8/2021 11:20:00 AM**Client Sample ID:** TP3-8**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	2300	60		mg/Kg	20	7/15/2021 2:04:04 PM	61289
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	7/14/2021 4:45:17 PM	61260
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/14/2021 4:45:17 PM	61260
Surr: DNOP	80.0	70-130		%Rec	1	7/14/2021 4:45:17 PM	61260
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	7/14/2021 1:18:28 AM	61244
Surr: BFB	91.2	70-130		%Rec	1	7/14/2021 1:18:28 AM	61244
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/14/2021 1:18:28 AM	61244
Toluene	ND	0.047		mg/Kg	1	7/14/2021 1:18:28 AM	61244
Ethylbenzene	ND	0.047		mg/Kg	1	7/14/2021 1:18:28 AM	61244
Xylenes, Total	ND	0.094		mg/Kg	1	7/14/2021 1:18:28 AM	61244
Surr: 4-Bromofluorobenzene	96.2	70-130		%Rec	1	7/14/2021 1:18:28 AM	61244

Lab ID: 2107474-002**Collection Date:** 7/8/2021 11:35:00 AM**Client Sample ID:** TP3-16**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	6400	300		mg/Kg	100	7/15/2021 9:06:11 PM	61289
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	7/14/2021 5:09:39 PM	61260
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/14/2021 5:09:39 PM	61260
Surr: DNOP	81.7	70-130		%Rec	1	7/14/2021 5:09:39 PM	61260
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	7/14/2021 1:41:58 AM	61244
Surr: BFB	96.6	70-130		%Rec	1	7/14/2021 1:41:58 AM	61244
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/14/2021 1:41:58 AM	61244
Toluene	ND	0.047		mg/Kg	1	7/14/2021 1:41:58 AM	61244
Ethylbenzene	ND	0.047		mg/Kg	1	7/14/2021 1:41:58 AM	61244
Xylenes, Total	ND	0.095		mg/Kg	1	7/14/2021 1:41:58 AM	61244
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	7/14/2021 1:41:58 AM	61244

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

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

Analytical Report

Lab Order: 2107474

Date Reported: 7/20/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Nix Curtis BH Battery

Lab Order: 2107474

Lab ID: 2107474-003

Collection Date: 7/8/2021 11:40:00 AM

Client Sample ID: TP3-20

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	3500	150		mg/Kg	50	7/16/2021 2:36:23 PM	61289
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	7/14/2021 5:34:09 PM	61260
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	7/14/2021 5:34:09 PM	61260
Surr: DNOP	82.1	70-130		%Rec	1	7/14/2021 5:34:09 PM	61260
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/14/2021 2:05:21 AM	61244
Surr: BFB	93.3	70-130		%Rec	1	7/14/2021 2:05:21 AM	61244
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/14/2021 2:05:21 AM	61244
Toluene	ND	0.048		mg/Kg	1	7/14/2021 2:05:21 AM	61244
Ethylbenzene	ND	0.048		mg/Kg	1	7/14/2021 2:05:21 AM	61244
Xylenes, Total	ND	0.096		mg/Kg	1	7/14/2021 2:05:21 AM	61244
Surr: 4-Bromofluorobenzene	99.0	70-130		%Rec	1	7/14/2021 2:05:21 AM	61244

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

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

Analytical Report

Lab Order: 2107474

Date Reported: 7/20/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Nix Curtis BH Battery

Lab Order: 2107474**Lab ID:** 2107474-004**Collection Date:** 7/8/2021 1:00:00 PM**Client Sample ID:** TP23-10**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	2000	60		mg/Kg	20	7/15/2021 3:30:57 PM	61289
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	920	93		mg/Kg	10	7/14/2021 8:12:02 PM	61260
Motor Oil Range Organics (MRO)	930	470		mg/Kg	10	7/14/2021 8:12:02 PM	61260
Surr: DNOP	0	70-130	S	%Rec	10	7/14/2021 8:12:02 PM	61260
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	7/14/2021 2:28:49 AM	61244
Surr: BFB	94.9	70-130		%Rec	5	7/14/2021 2:28:49 AM	61244
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.12		mg/Kg	5	7/14/2021 2:28:49 AM	61244
Toluene	ND	0.24		mg/Kg	5	7/14/2021 2:28:49 AM	61244
Ethylbenzene	ND	0.24		mg/Kg	5	7/14/2021 2:28:49 AM	61244
Xylenes, Total	ND	0.47		mg/Kg	5	7/14/2021 2:28:49 AM	61244
Surr: 4-Bromofluorobenzene	98.2	70-130		%Rec	5	7/14/2021 2:28:49 AM	61244

Lab ID: 2107474-005**Collection Date:** 7/8/2021 1:15:00 PM**Client Sample ID:** TP23-16**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	450	60		mg/Kg	20	7/15/2021 3:43:23 PM	61289
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/14/2021 5:58:32 PM	61260
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/14/2021 5:58:32 PM	61260
Surr: DNOP	81.1	70-130		%Rec	1	7/14/2021 5:58:32 PM	61260
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/14/2021 3:15:48 AM	61244
Surr: BFB	94.5	70-130		%Rec	1	7/14/2021 3:15:48 AM	61244
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/14/2021 3:15:48 AM	61244
Toluene	ND	0.050		mg/Kg	1	7/14/2021 3:15:48 AM	61244
Ethylbenzene	ND	0.050		mg/Kg	1	7/14/2021 3:15:48 AM	61244
Xylenes, Total	ND	0.099		mg/Kg	1	7/14/2021 3:15:48 AM	61244
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	7/14/2021 3:15:48 AM	61244

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

Qualifiers:

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

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Analytical Report

Lab Order: 2107474

Date Reported: 7/20/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Lab Order: 2107474

Project: Nix Curtis BH Battery

Lab ID: 2107474-006

Collection Date: 7/8/2021 1:30:00 PM

Client Sample ID: TP23-20

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	1000	60		mg/Kg	20	7/15/2021 3:55:48 PM	61289
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/14/2021 6:23:00 PM	61260
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/14/2021 6:23:00 PM	61260
Surr: DNOP	81.5	70-130		%Rec	1	7/14/2021 6:23:00 PM	61260
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/14/2021 3:39:15 AM	61244
Surr: BFB	94.8	70-130		%Rec	1	7/14/2021 3:39:15 AM	61244
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/14/2021 3:39:15 AM	61244
Toluene	ND	0.049		mg/Kg	1	7/14/2021 3:39:15 AM	61244
Ethylbenzene	ND	0.049		mg/Kg	1	7/14/2021 3:39:15 AM	61244
Xylenes, Total	ND	0.098		mg/Kg	1	7/14/2021 3:39:15 AM	61244
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	7/14/2021 3:39:15 AM	61244

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

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

Analytical Report

Lab Order: 2107474

Date Reported: 7/20/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Lab Order: 2107474

Project: Nix Curtis BH Battery

Lab ID: 2107474-007

Collection Date: 7/8/2021 1:40:00 PM

Client Sample ID: TP24-2

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	2300	59		mg/Kg	20	7/15/2021 4:08:13 PM	61289
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	7/14/2021 6:47:11 PM	61260
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/14/2021 6:47:11 PM	61260
Surr: DNOP	81.1	70-130		%Rec	1	7/14/2021 6:47:11 PM	61260
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/14/2021 4:02:45 AM	61244
Surr: BFB	93.4	70-130		%Rec	1	7/14/2021 4:02:45 AM	61244
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/14/2021 4:02:45 AM	61244
Toluene	ND	0.049		mg/Kg	1	7/14/2021 4:02:45 AM	61244
Ethylbenzene	ND	0.049		mg/Kg	1	7/14/2021 4:02:45 AM	61244
Xylenes, Total	ND	0.099		mg/Kg	1	7/14/2021 4:02:45 AM	61244
Surr: 4-Bromofluorobenzene	98.8	70-130		%Rec	1	7/14/2021 4:02:45 AM	61244

Lab ID: 2107474-008

Collection Date: 7/8/2021 1:45:00 PM

Client Sample ID: TP24-7

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	2800	150		mg/Kg	50	7/16/2021 2:48:48 PM	61289
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	7/14/2021 7:11:35 PM	61260
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/14/2021 7:11:35 PM	61260
Surr: DNOP	82.0	70-130		%Rec	1	7/14/2021 7:11:35 PM	61260
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/14/2021 4:26:10 AM	61244
Surr: BFB	94.3	70-130		%Rec	1	7/14/2021 4:26:10 AM	61244
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/14/2021 4:26:10 AM	61244
Toluene	ND	0.048		mg/Kg	1	7/14/2021 4:26:10 AM	61244
Ethylbenzene	ND	0.048		mg/Kg	1	7/14/2021 4:26:10 AM	61244
Xylenes, Total	ND	0.095		mg/Kg	1	7/14/2021 4:26:10 AM	61244
Surr: 4-Bromofluorobenzene	99.0	70-130		%Rec	1	7/14/2021 4:26:10 AM	61244

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

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

Analytical Report

Lab Order: 2107474

Date Reported: 7/20/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Lab Order: 2107474

Project: Nix Curtis BH Battery

Lab ID: 2107474-009

Collection Date: 7/8/2021 2:00:00 PM

Client Sample ID: TP24-15

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	7700	300		mg/Kg	100	7/16/2021 3:01:13 PM	61328
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	46	9.3		mg/Kg	1	7/14/2021 7:35:46 PM	61260
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/14/2021 7:35:46 PM	61260
Surr: DNOP	82.9	70-130		%Rec	1	7/14/2021 7:35:46 PM	61260
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	25		mg/Kg	5	7/14/2021 4:49:35 AM	61244
Surr: BFB	96.5	70-130		%Rec	5	7/14/2021 4:49:35 AM	61244
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.12		mg/Kg	5	7/14/2021 4:49:35 AM	61244
Toluene	ND	0.25		mg/Kg	5	7/14/2021 4:49:35 AM	61244
Ethylbenzene	ND	0.25		mg/Kg	5	7/14/2021 4:49:35 AM	61244
Xylenes, Total	ND	0.49		mg/Kg	5	7/14/2021 4:49:35 AM	61244
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	5	7/14/2021 4:49:35 AM	61244

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

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

Analytical Report

Lab Order: 2107474

Date Reported: 7/20/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Nix Curtis BH Battery

Lab Order: 2107474**Lab ID:** 2107474-010**Collection Date:** 7/8/2021 2:05:00 PM**Client Sample ID:** TP24-20**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	9700	600		mg/Kg	200	7/16/2021 3:13:38 PM	61328
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	7/14/2021 8:00:04 PM	61260
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/14/2021 8:00:04 PM	61260
Surr: DNOP	81.9	70-130		%Rec	1	7/14/2021 8:00:04 PM	61260
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/13/2021 10:06:00 AM	61244
Surr: BFB	108	70-130		%Rec	1	7/13/2021 10:06:00 AM	61244
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	7/13/2021 10:06:00 AM	61244
Toluene	ND	0.049		mg/Kg	1	7/13/2021 10:06:00 AM	61244
Ethylbenzene	ND	0.049		mg/Kg	1	7/13/2021 10:06:00 AM	61244
Xylenes, Total	ND	0.097		mg/Kg	1	7/13/2021 10:06:00 AM	61244
Surr: 4-Bromofluorobenzene	108	70-130		%Rec	1	7/13/2021 10:06:00 AM	61244

Lab ID: 2107474-011**Collection Date:** 7/8/2021 2:20:00 PM**Client Sample ID:** TP25-S**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	7/15/2021 11:26:22 AM	61328
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	7/14/2021 8:24:21 PM	61260
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/14/2021 8:24:21 PM	61260
Surr: DNOP	77.1	70-130		%Rec	1	7/14/2021 8:24:21 PM	61260
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/13/2021 10:26:00 AM	61244
Surr: BFB	112	70-130		%Rec	1	7/13/2021 10:26:00 AM	61244
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	7/13/2021 10:26:00 AM	61244
Toluene	ND	0.049		mg/Kg	1	7/13/2021 10:26:00 AM	61244
Ethylbenzene	ND	0.049		mg/Kg	1	7/13/2021 10:26:00 AM	61244
Xylenes, Total	ND	0.099		mg/Kg	1	7/13/2021 10:26:00 AM	61244
Surr: 4-Bromofluorobenzene	110	70-130		%Rec	1	7/13/2021 10:26:00 AM	61244

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

Qualifiers:

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

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 7 of 19

Analytical Report

Lab Order: 2107474

Date Reported: 7/20/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Lab Order: 2107474

Project: Nix Curtis BH Battery

Lab ID: 2107474-012

Collection Date: 7/8/2021 2:25:00 PM

Client Sample ID: TP25-2

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	7/15/2021 11:38:43 AM	61328
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	7/14/2021 8:49:03 PM	61260
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/14/2021 8:49:03 PM	61260
Surr: DNOP	80.1	70-130		%Rec	1	7/14/2021 8:49:03 PM	61260
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	7/13/2021 10:46:00 AM	61244
Surr: BFB	114	70-130		%Rec	1	7/13/2021 10:46:00 AM	61244
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	7/13/2021 10:46:00 AM	61244
Toluene	ND	0.047		mg/Kg	1	7/13/2021 10:46:00 AM	61244
Ethylbenzene	ND	0.047		mg/Kg	1	7/13/2021 10:46:00 AM	61244
Xylenes, Total	ND	0.095		mg/Kg	1	7/13/2021 10:46:00 AM	61244
Surr: 4-Bromofluorobenzene	111	70-130		%Rec	1	7/13/2021 10:46:00 AM	61244

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

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

Analytical Report

Lab Order: 2107474

Date Reported: 7/20/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Nix Curtis BH Battery

Lab Order: 2107474

Lab ID: 2107474-013

Collection Date: 7/8/2021 2:40:00 PM

Client Sample ID: TP26-S

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	7/15/2021 11:51:05 AM	61328
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	50	9.8		mg/Kg	1	7/16/2021 11:11:30 PM	61260
Motor Oil Range Organics (MRO)	240	49		mg/Kg	1	7/16/2021 11:11:30 PM	61260
Surr: DNOP	117	70-130		%Rec	1	7/16/2021 11:11:30 PM	61260
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/13/2021 11:06:00 AM	61244
Surr: BFB	109	70-130		%Rec	1	7/13/2021 11:06:00 AM	61244
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	7/13/2021 11:06:00 AM	61244
Toluene	ND	0.048		mg/Kg	1	7/13/2021 11:06:00 AM	61244
Ethylbenzene	ND	0.048		mg/Kg	1	7/13/2021 11:06:00 AM	61244
Xylenes, Total	ND	0.096		mg/Kg	1	7/13/2021 11:06:00 AM	61244
Surr: 4-Bromofluorobenzene	110	70-130		%Rec	1	7/13/2021 11:06:00 AM	61244

Lab ID: 2107474-014

Collection Date: 7/8/2021 2:45:00 PM

Client Sample ID: TP26-2

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	220	60		mg/Kg	20	7/15/2021 12:03:26 PM	61328
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	22	9.4		mg/Kg	1	7/16/2021 10:23:47 PM	61260
Motor Oil Range Organics (MRO)	120	47		mg/Kg	1	7/16/2021 10:23:47 PM	61260
Surr: DNOP	94.7	70-130		%Rec	1	7/16/2021 10:23:47 PM	61260
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/13/2021 11:25:00 AM	61244
Surr: BFB	108	70-130		%Rec	1	7/13/2021 11:25:00 AM	61244
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	7/13/2021 11:25:00 AM	61244
Toluene	ND	0.049		mg/Kg	1	7/13/2021 11:25:00 AM	61244
Ethylbenzene	ND	0.049		mg/Kg	1	7/13/2021 11:25:00 AM	61244
Xylenes, Total	ND	0.097		mg/Kg	1	7/13/2021 11:25:00 AM	61244
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	7/13/2021 11:25:00 AM	61244

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

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

Analytical Report

Lab Order: 2107474

Date Reported: 7/20/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Lab Order: 2107474

Project: Nix Curtis BH Battery

Lab ID: 2107474-015

Collection Date: 7/8/2021 3:05:00 PM

Client Sample ID: TP27-2

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	750	61		mg/Kg	20	7/15/2021 12:15:47 PM	61328
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	7/14/2021 3:42:00 PM	61275
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	7/14/2021 3:42:00 PM	61275
Surr: DNOP	86.4	70-130		%Rec	1	7/14/2021 3:42:00 PM	61275
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	7/13/2021 7:47:00 PM	61247
Surr: BFB	111	70-130		%Rec	1	7/13/2021 7:47:00 PM	61247
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.023		mg/Kg	1	7/13/2021 7:47:00 PM	61247
Toluene	ND	0.046		mg/Kg	1	7/13/2021 7:47:00 PM	61247
Ethylbenzene	ND	0.046		mg/Kg	1	7/13/2021 7:47:00 PM	61247
Xylenes, Total	ND	0.092		mg/Kg	1	7/13/2021 7:47:00 PM	61247
Surr: 4-Bromofluorobenzene	110	70-130		%Rec	1	7/13/2021 7:47:00 PM	61247

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

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

Analytical Report

Lab Order: 2107474

Date Reported: 7/20/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Nix Curtis BH Battery

Lab Order: 2107474

Lab ID: 2107474-016

Collection Date: 7/8/2021 3:10:00 PM

Client Sample ID: TP27-8

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	5100	300		mg/Kg	100	7/16/2021 3:50:51 PM	61328
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	7/14/2021 3:53:59 PM	61275
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/14/2021 3:53:59 PM	61275
Surr: DNOP	87.4	70-130		%Rec	1	7/14/2021 3:53:59 PM	61275
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/13/2021 9:07:00 PM	61247
Surr: BFB	108	70-130		%Rec	1	7/13/2021 9:07:00 PM	61247
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	7/13/2021 9:07:00 PM	61247
Toluene	ND	0.048		mg/Kg	1	7/13/2021 9:07:00 PM	61247
Ethylbenzene	ND	0.048		mg/Kg	1	7/13/2021 9:07:00 PM	61247
Xylenes, Total	ND	0.096		mg/Kg	1	7/13/2021 9:07:00 PM	61247
Surr: 4-Bromofluorobenzene	109	70-130		%Rec	1	7/13/2021 9:07:00 PM	61247

Lab ID: 2107474-017

Collection Date: 7/8/2021 3:20:00 PM

Client Sample ID: TP27-16

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	2900	150		mg/Kg	50	7/16/2021 4:03:15 PM	61328
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	7/14/2021 4:05:57 PM	61275
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/14/2021 4:05:57 PM	61275
Surr: DNOP	87.1	70-130		%Rec	1	7/14/2021 4:05:57 PM	61275
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/13/2021 9:27:00 PM	61247
Surr: BFB	109	70-130		%Rec	1	7/13/2021 9:27:00 PM	61247
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	7/13/2021 9:27:00 PM	61247
Toluene	ND	0.049		mg/Kg	1	7/13/2021 9:27:00 PM	61247
Ethylbenzene	ND	0.049		mg/Kg	1	7/13/2021 9:27:00 PM	61247
Xylenes, Total	ND	0.099		mg/Kg	1	7/13/2021 9:27:00 PM	61247
Surr: 4-Bromofluorobenzene	111	70-130		%Rec	1	7/13/2021 9:27:00 PM	61247

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

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

Analytical Report

Lab Order: 2107474

Date Reported: 7/20/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Lab Order: 2107474

Project: Nix Curtis BH Battery

Lab ID: 2107474-018

Collection Date: 7/8/2021 3:40:00 PM

Client Sample ID: TP27-20

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	2900	150		mg/Kg	50	7/16/2021 4:15:40 PM	61328
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	7/14/2021 4:17:51 PM	61275
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/14/2021 4:17:51 PM	61275
Surr: DNOP	88.1	70-130		%Rec	1	7/14/2021 4:17:51 PM	61275
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	7/13/2021 10:27:00 PM	61247
Surr: BFB	106	70-130		%Rec	1	7/13/2021 10:27:00 PM	61247
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.023		mg/Kg	1	7/13/2021 10:27:00 PM	61247
Toluene	ND	0.046		mg/Kg	1	7/13/2021 10:27:00 PM	61247
Ethylbenzene	ND	0.046		mg/Kg	1	7/13/2021 10:27:00 PM	61247
Xylenes, Total	ND	0.092		mg/Kg	1	7/13/2021 10:27:00 PM	61247
Surr: 4-Bromofluorobenzene	108	70-130		%Rec	1	7/13/2021 10:27:00 PM	61247

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

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

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

WO#: 2107474

20-Jul-21

Client: GHD Midland
Project: Nix Curtis BH Battery

Sample ID: MB-61289	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 61289	RunNo: 79791								
Prep Date: 7/14/2021	Analysis Date: 7/15/2021	SeqNo: 2808308	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-61289	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 61289	RunNo: 79791								
Prep Date: 7/14/2021	Analysis Date: 7/15/2021	SeqNo: 2808309	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.6	90	110			

Sample ID: MB-61328	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 61328	RunNo: 79816								
Prep Date: 7/15/2021	Analysis Date: 7/15/2021	SeqNo: 2808816	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-61328	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 61328	RunNo: 79816								
Prep Date: 7/15/2021	Analysis Date: 7/15/2021	SeqNo: 2808817	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.7	90	110			

Qualifiers:

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

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

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

WO#: 2107474

20-Jul-21

Client: GHD Midland
Project: Nix Curtis BH Battery

Sample ID: LCS-61260	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 61260			RunNo: 79808						
Prep Date: 7/13/2021	Analysis Date: 7/14/2021			SeqNo: 2807054		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	96.0	68.9	141			
Surr: DNOP	4.1		5.000		81.8	70	130			

Sample ID: MB-61260	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 61260			RunNo: 79808						
Prep Date: 7/13/2021	Analysis Date: 7/14/2021			SeqNo: 2807055		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.4		10.00		83.9	70	130			

Sample ID: MB-61268	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 61268			RunNo: 79790						
Prep Date: 7/13/2021	Analysis Date: 7/14/2021			SeqNo: 2807608		Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.9		10.00		89.4	70	130			

Sample ID: LCS-61268	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 61268			RunNo: 79790						
Prep Date: 7/13/2021	Analysis Date: 7/14/2021			SeqNo: 2807609		Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.2		5.000		83.6	70	130			

Sample ID: MB-61275	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 61275			RunNo: 79790						
Prep Date: 7/13/2021	Analysis Date: 7/14/2021			SeqNo: 2807632		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.8		10.00		88.4	70	130			

Sample ID: LCS-61275	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 61275			RunNo: 79790						
Prep Date: 7/13/2021	Analysis Date: 7/14/2021			SeqNo: 2807633		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

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

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2107474

20-Jul-21

Client: GHD Midland

Project: Nix Curtis BH Battery

Sample ID: LCS-61275	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 61275	RunNo: 79790								
Prep Date: 7/13/2021	Analysis Date: 7/14/2021	SeqNo: 2807633	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	39	10	50.00	0	78.1	68.9	141			
Surr: DNOP	4.0		5.000		80.9	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

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

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2107474

20-Jul-21

Client: GHD Midland
Project: Nix Curtis BH Battery

Sample ID: mb-61244	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 61244			RunNo: 79767						
Prep Date: 7/12/2021	Analysis Date: 7/13/2021			SeqNo: 2806001		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	970		1000		97.3	70	130			

Sample ID: lcs-61244	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 61244			RunNo: 79767						
Prep Date: 7/12/2021	Analysis Date: 7/13/2021			SeqNo: 2806002		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	98.7	78.6	131			
Surr: BFB	1100		1000		113	70	130			

Sample ID: mb-61247	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 61247			RunNo: 79757						
Prep Date: 7/12/2021	Analysis Date: 7/13/2021			SeqNo: 2806099		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		111	70	130			

Sample ID: lcs-61247	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 61247			RunNo: 79757						
Prep Date: 7/12/2021	Analysis Date: 7/13/2021			SeqNo: 2806100		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	95.2	78.6	131			
Surr: BFB	1200		1000		122	70	130			

Sample ID: 2107474-017ams	SampType: MS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: TP27-16	Batch ID: 61247			RunNo: 79757						
Prep Date: 7/12/2021	Analysis Date: 7/13/2021			SeqNo: 2806101		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	4.7	23.30	0	112	61.3	114			
Surr: BFB	1200		932.0		131	70	130			S

Sample ID: 2107474-017amsd	SampType: MSD			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: TP27-16	Batch ID: 61247			RunNo: 79757						
Prep Date: 7/12/2021	Analysis Date: 7/13/2021			SeqNo: 2806102		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

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

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2107474

20-Jul-21

Client: GHD Midland

Project: Nix Curtis BH Battery

Sample ID: 2107474-017amsd		SampType: MSD		TestCode: EPA Method 8015D: Gasoline Range						
Client ID: TP27-16		Batch ID: 61247		RunNo: 79757						
Prep Date: 7/12/2021		Analysis Date: 7/13/2021		SeqNo: 2806102		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	24.80	0	112	61.3	114	6.28	20	
Surr: BFB	1300		992.1		127	70	130	0	0	

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2107474

20-Jul-21

Client: GHD Midland
Project: Nix Curtis BH Battery

Sample ID: mb-61244	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 61244	RunNo: 79767								
Prep Date: 7/12/2021	Analysis Date: 7/13/2021	SeqNo: 2806049 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		101	70	130			

Sample ID: LCS-61244	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 61244	RunNo: 79767								
Prep Date: 7/12/2021	Analysis Date: 7/13/2021	SeqNo: 2806050 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.025	1.000	0	98.2	80	120			
Toluene	1.0	0.050	1.000	0	100	80	120			
Ethylbenzene	0.99	0.050	1.000	0	99.4	80	120			
Xylenes, Total	3.0	0.10	3.000	0	100	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		106	70	130			

Sample ID: mb-61247	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 61247	RunNo: 79757								
Prep Date: 7/12/2021	Analysis Date: 7/13/2021	SeqNo: 2806131 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		108	70	130			

Sample ID: lcs-61247	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 61247	RunNo: 79757								
Prep Date: 7/12/2021	Analysis Date: 7/13/2021	SeqNo: 2806132 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.025	1.000	0	91.6	80	120			
Toluene	0.93	0.050	1.000	0	93.1	80	120			
Ethylbenzene	0.95	0.050	1.000	0	94.6	80	120			
Xylenes, Total	2.9	0.10	3.000	0	95.0	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		110	70	130			

Qualifiers:

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

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

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

WO#: 2107474

20-Jul-21

Client: GHD Midland
Project: Nix Curtis BH Battery

Sample ID: 2107474-018ams	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: TP27-20	Batch ID: 61247	RunNo: 79757								
Prep Date: 7/12/2021	Analysis Date: 7/13/2021	SeqNo: 2806134	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.024	0.9756	0	94.9	80	120			
Toluene	0.95	0.049	0.9756	0	97.3	80	120			
Ethylbenzene	0.97	0.049	0.9756	0	99.6	80	120			
Xylenes, Total	2.9	0.098	2.927	0	100	80	120			
Surr: 4-Bromofluorobenzene	1.1		0.9756		109	70	130			

Sample ID: 2107474-018amsd	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: TP27-20	Batch ID: 61247	RunNo: 79757								
Prep Date: 7/12/2021	Analysis Date: 7/13/2021	SeqNo: 2806135	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.024	0.9542	0	94.1	80	120	3.09	20	
Toluene	0.91	0.048	0.9542	0	95.1	80	120	4.43	20	
Ethylbenzene	0.94	0.048	0.9542	0	98.4	80	120	3.43	20	
Xylenes, Total	2.8	0.095	2.863	0	99.0	80	120	3.35	20	
Surr: 4-Bromofluorobenzene	1.0		0.9542		110	70	130	0	0	

Qualifiers:

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

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit



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

Sample Log-In Check List

Client Name: GHD Midland

Work Order Number: 2107474

RcptNo: 1

Received By: Cheyenne Cason 7/10/2021 8:00:00 AM

Completed By: Cheyenne Cason 7/10/2021 9:51:08 AM

Reviewed By: DAD 7/12/21

Cason
Cason

Chain of Custody

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

Log In

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

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by: *Cason 7/10/21*

Special Handling (if applicable)

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

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.5	Good				

Chain-of-Custody Record

Client: GHD

Mailing Address:

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

Phone #: (505)377-4218

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

QA/QC Package:

☐ Standard☐ Level 4 (Full Validation)

Accreditation:

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

Project Manager:

Becky Haskell

Tom Larson

Sampler: Zach Comino

On Ice: ☒ Yes ☐ No

of Coolers: 1

Cooler Temp (Including CF): 0.5-0.5

Date Time Matrix Sample Name

02/08/21 1440 S TP26-S

1445 TP26-2

1505 TP27-2

1510 TP27-8

1520 TP27-10

1540 TP27-20

Container Type and #

Jar

Preservative Type

2107474

HEAL No.

21047

CCL 7/10/21

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

July 27, 2021

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

RE: Nix Curtis BH Battery

OrderNo.: 2107544

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 30 sample(s) on 7/13/2021 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order: 2107544

Date Reported: 7/27/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Nix Curtis BH Battery

Lab Order: 2107544

Lab ID: 2107544-001

Collection Date: 7/9/2021 8:00:00 AM

Client Sample ID: TP28-2

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	1300	59		mg/Kg	20	7/16/2021 1:46:45 PM	61363
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	7/14/2021 11:14:16 AM	61268
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/14/2021 11:14:16 AM	61268
Surr: DNOP	82.8	70-130		%Rec	1	7/14/2021 11:14:16 AM	61268
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/14/2021 11:25:49 AM	61267
Surr: BFB	99.5	70-130		%Rec	1	7/14/2021 11:25:49 AM	61267
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/14/2021 11:25:49 AM	61267
Toluene	ND	0.048		mg/Kg	1	7/14/2021 11:25:49 AM	61267
Ethylbenzene	ND	0.048		mg/Kg	1	7/14/2021 11:25:49 AM	61267
Xylenes, Total	ND	0.097		mg/Kg	1	7/14/2021 11:25:49 AM	61267
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	7/14/2021 11:25:49 AM	61267

Lab ID: 2107544-002

Collection Date: 7/9/2021 8:10:00 AM

Client Sample ID: TP28-6

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	880	60		mg/Kg	20	7/16/2021 1:59:10 PM	61363
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	7/14/2021 11:26:32 AM	61268
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/14/2021 11:26:32 AM	61268
Surr: DNOP	82.4	70-130		%Rec	1	7/14/2021 11:26:32 AM	61268
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/14/2021 12:36:35 PM	61267
Surr: BFB	99.4	70-130		%Rec	1	7/14/2021 12:36:35 PM	61267
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/14/2021 12:36:35 PM	61267
Toluene	ND	0.049		mg/Kg	1	7/14/2021 12:36:35 PM	61267
Ethylbenzene	ND	0.049		mg/Kg	1	7/14/2021 12:36:35 PM	61267
Xylenes, Total	ND	0.098		mg/Kg	1	7/14/2021 12:36:35 PM	61267
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	7/14/2021 12:36:35 PM	61267

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

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

Analytical Report

Lab Order: 2107544

Date Reported: 7/27/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Lab Order: 2107544

Project: Nix Curtis BH Battery

Lab ID: 2107544-003

Collection Date: 7/9/2021 8:15:00 AM

Client Sample ID: TP28-10

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	3200	150		mg/Kg	50	7/20/2021 3:03:02 AM	61363
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	7/14/2021 11:38:30 AM	61268
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/14/2021 11:38:30 AM	61268
Surr: DNOP	82.2	70-130		%Rec	1	7/14/2021 11:38:30 AM	61268
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	7/14/2021 2:15:30 PM	61267
Surr: BFB	102	70-130		%Rec	1	7/14/2021 2:15:30 PM	61267
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	7/14/2021 2:15:30 PM	61267
Toluene	ND	0.047		mg/Kg	1	7/14/2021 2:15:30 PM	61267
Ethylbenzene	ND	0.047		mg/Kg	1	7/14/2021 2:15:30 PM	61267
Xylenes, Total	ND	0.093		mg/Kg	1	7/14/2021 2:15:30 PM	61267
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	7/14/2021 2:15:30 PM	61267

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

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

Analytical Report

Lab Order: 2107544

Date Reported: 7/27/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Nix Curtis BH Battery

Lab Order: 2107544**Lab ID:** 2107544-004**Collection Date:** 7/9/2021 8:30:00 AM**Client Sample ID:** TP28-16**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	2200	60		mg/Kg	20	7/16/2021 2:23:59 PM	61363
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	7/14/2021 11:50:33 AM	61268
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/14/2021 11:50:33 AM	61268
Surr: DNOP	82.2	70-130		%Rec	1	7/14/2021 11:50:33 AM	61268
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	7/14/2021 2:39:13 PM	61267
Surr: BFB	99.0	70-130		%Rec	1	7/14/2021 2:39:13 PM	61267
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/14/2021 2:39:13 PM	61267
Toluene	ND	0.047		mg/Kg	1	7/14/2021 2:39:13 PM	61267
Ethylbenzene	ND	0.047		mg/Kg	1	7/14/2021 2:39:13 PM	61267
Xylenes, Total	ND	0.094		mg/Kg	1	7/14/2021 2:39:13 PM	61267
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	7/14/2021 2:39:13 PM	61267

Lab ID: 2107544-005**Collection Date:** 7/9/2021 8:40:00 AM**Client Sample ID:** TP28-20**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	3900	150		mg/Kg	50	7/20/2021 3:15:27 AM	61373
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/14/2021 12:02:49 PM	61268
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/14/2021 12:02:49 PM	61268
Surr: DNOP	82.4	70-130		%Rec	1	7/14/2021 12:02:49 PM	61268
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/14/2021 3:03:00 PM	61267
Surr: BFB	100	70-130		%Rec	1	7/14/2021 3:03:00 PM	61267
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/14/2021 3:03:00 PM	61267
Toluene	ND	0.049		mg/Kg	1	7/14/2021 3:03:00 PM	61267
Ethylbenzene	ND	0.049		mg/Kg	1	7/14/2021 3:03:00 PM	61267
Xylenes, Total	ND	0.098		mg/Kg	1	7/14/2021 3:03:00 PM	61267
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	7/14/2021 3:03:00 PM	61267

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

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

Analytical Report

Lab Order: 2107544

Date Reported: 7/27/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Lab Order: 2107544

Project: Nix Curtis BH Battery

Lab ID: 2107544-006

Collection Date: 7/9/2021 9:00:00 AM

Client Sample ID: TP29-2

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	1300	60		mg/Kg	20	7/16/2021 10:27:59 PM	61373
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	7/15/2021 10:51:10 PM	61268
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/15/2021 10:51:10 PM	61268
Surr: DNOP	74.2	70-130		%Rec	1	7/15/2021 10:51:10 PM	61268
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/14/2021 3:26:45 PM	61267
Surr: BFB	102	70-130		%Rec	1	7/14/2021 3:26:45 PM	61267
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/14/2021 3:26:45 PM	61267
Toluene	ND	0.049		mg/Kg	1	7/14/2021 3:26:45 PM	61267
Ethylbenzene	ND	0.049		mg/Kg	1	7/14/2021 3:26:45 PM	61267
Xylenes, Total	ND	0.099		mg/Kg	1	7/14/2021 3:26:45 PM	61267
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	7/14/2021 3:26:45 PM	61267

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

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

Analytical Report

Lab Order: 2107544

Date Reported: 7/27/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Nix Curtis BH Battery

Lab Order: 2107544

Lab ID: 2107544-007

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

Client Sample ID: TP29-5

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	180	60		mg/Kg	20	7/16/2021 10:40:23 PM	61373
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	7/14/2021 12:26:54 PM	61268
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/14/2021 12:26:54 PM	61268
Surr: DNOP	79.3	70-130		%Rec	1	7/14/2021 12:26:54 PM	61268
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	7/14/2021 5:01:55 PM	61267
Surr: BFB	103	70-130		%Rec	1	7/14/2021 5:01:55 PM	61267
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/14/2021 5:01:55 PM	61267
Toluene	ND	0.047		mg/Kg	1	7/14/2021 5:01:55 PM	61267
Ethylbenzene	ND	0.047		mg/Kg	1	7/14/2021 5:01:55 PM	61267
Xylenes, Total	ND	0.094		mg/Kg	1	7/14/2021 5:01:55 PM	61267
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	7/14/2021 5:01:55 PM	61267

Lab ID: 2107544-008

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

Client Sample ID: TP30-S

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	7/16/2021 11:17:37 PM	61373
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/14/2021 12:39:00 PM	61268
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/14/2021 12:39:00 PM	61268
Surr: DNOP	86.0	70-130		%Rec	1	7/14/2021 12:39:00 PM	61268
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/14/2021 5:25:38 PM	61267
Surr: BFB	101	70-130		%Rec	1	7/14/2021 5:25:38 PM	61267
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/14/2021 5:25:38 PM	61267
Toluene	ND	0.050		mg/Kg	1	7/14/2021 5:25:38 PM	61267
Ethylbenzene	ND	0.050		mg/Kg	1	7/14/2021 5:25:38 PM	61267
Xylenes, Total	ND	0.099		mg/Kg	1	7/14/2021 5:25:38 PM	61267
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	7/14/2021 5:25:38 PM	61267

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

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

Analytical Report

Lab Order: 2107544

Date Reported: 7/27/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Lab Order: 2107544

Project: Nix Curtis BH Battery

Lab ID: 2107544-009

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

Client Sample ID: TP30-2

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	59		mg/Kg	20	7/16/2021 11:30:01 PM	61373
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	7/14/2021 1:03:09 PM	61268
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/14/2021 1:03:09 PM	61268
Surr: DNOP	101	70-130		%Rec	1	7/14/2021 1:03:09 PM	61268
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/14/2021 5:49:22 PM	61267
Surr: BFB	99.6	70-130		%Rec	1	7/14/2021 5:49:22 PM	61267
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/14/2021 5:49:22 PM	61267
Toluene	ND	0.048		mg/Kg	1	7/14/2021 5:49:22 PM	61267
Ethylbenzene	ND	0.048		mg/Kg	1	7/14/2021 5:49:22 PM	61267
Xylenes, Total	ND	0.096		mg/Kg	1	7/14/2021 5:49:22 PM	61267
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	7/14/2021 5:49:22 PM	61267

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

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

Analytical Report

Lab Order: 2107544

Date Reported: 7/27/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Nix Curtis BH Battery

Lab Order: 2107544

Lab ID: 2107544-010

Collection Date: 7/9/2021 9:30:00 AM

Client Sample ID: TP31-S

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	7/19/2021 8:50:48 AM	61392
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	7/14/2021 1:15:12 PM	61268
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/14/2021 1:15:12 PM	61268
Surr: DNOP	91.4	70-130		%Rec	1	7/14/2021 1:15:12 PM	61268
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/14/2021 6:13:09 PM	61267
Surr: BFB	97.4	70-130		%Rec	1	7/14/2021 6:13:09 PM	61267
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/14/2021 6:13:09 PM	61267
Toluene	ND	0.049		mg/Kg	1	7/14/2021 6:13:09 PM	61267
Ethylbenzene	ND	0.049		mg/Kg	1	7/14/2021 6:13:09 PM	61267
Xylenes, Total	ND	0.098		mg/Kg	1	7/14/2021 6:13:09 PM	61267
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	7/14/2021 6:13:09 PM	61267

Lab ID: 2107544-011

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

Client Sample ID: TP31-2

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	7/19/2021 9:28:02 AM	61392
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/14/2021 1:27:30 PM	61268
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/14/2021 1:27:30 PM	61268
Surr: DNOP	93.7	70-130		%Rec	1	7/14/2021 1:27:30 PM	61268
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/14/2021 6:36:56 PM	61267
Surr: BFB	98.4	70-130		%Rec	1	7/14/2021 6:36:56 PM	61267
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/14/2021 6:36:56 PM	61267
Toluene	ND	0.048		mg/Kg	1	7/14/2021 6:36:56 PM	61267
Ethylbenzene	ND	0.048		mg/Kg	1	7/14/2021 6:36:56 PM	61267
Xylenes, Total	ND	0.097		mg/Kg	1	7/14/2021 6:36:56 PM	61267
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	7/14/2021 6:36:56 PM	61267

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

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

Analytical Report

Lab Order: 2107544

Date Reported: 7/27/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Lab Order: 2107544

Project: Nix Curtis BH Battery

Lab ID: 2107544-012

Collection Date: 7/9/2021 9:50:00 AM

Client Sample ID: TP32-S

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	7/19/2021 10:30:06 AM	61392
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/14/2021 1:39:42 PM	61268
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/14/2021 1:39:42 PM	61268
Surr: DNOP	83.5	70-130		%Rec	1	7/14/2021 1:39:42 PM	61268
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	7/14/2021 7:00:35 PM	61267
Surr: BFB	99.3	70-130		%Rec	1	7/14/2021 7:00:35 PM	61267
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/14/2021 7:00:35 PM	61267
Toluene	ND	0.047		mg/Kg	1	7/14/2021 7:00:35 PM	61267
Ethylbenzene	ND	0.047		mg/Kg	1	7/14/2021 7:00:35 PM	61267
Xylenes, Total	ND	0.094		mg/Kg	1	7/14/2021 7:00:35 PM	61267
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	7/14/2021 7:00:35 PM	61267

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

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

Analytical Report

Lab Order: 2107544

Date Reported: 7/27/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Lab Order: 2107544

Project: Nix Curtis BH Battery

Lab ID: 2107544-013

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

Client Sample ID: TP32-2

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	7/19/2021 10:42:31 AM	61392
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	7/14/2021 1:51:53 PM	61268
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/14/2021 1:51:53 PM	61268
Surr: DNOP	95.8	70-130		%Rec	1	7/14/2021 1:51:53 PM	61268
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/14/2021 7:24:11 PM	61267
Surr: BFB	99.4	70-130		%Rec	1	7/14/2021 7:24:11 PM	61267
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/14/2021 7:24:11 PM	61267
Toluene	ND	0.050		mg/Kg	1	7/14/2021 7:24:11 PM	61267
Ethylbenzene	ND	0.050		mg/Kg	1	7/14/2021 7:24:11 PM	61267
Xylenes, Total	ND	0.099		mg/Kg	1	7/14/2021 7:24:11 PM	61267
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	7/14/2021 7:24:11 PM	61267

Lab ID: 2107544-014

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

Client Sample ID: TP33-2

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	2000	60		mg/Kg	20	7/19/2021 10:54:55 AM	61392
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/14/2021 2:04:07 PM	61268
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/14/2021 2:04:07 PM	61268
Surr: DNOP	95.6	70-130		%Rec	1	7/14/2021 2:04:07 PM	61268
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/14/2021 7:47:43 PM	61267
Surr: BFB	98.6	70-130		%Rec	1	7/14/2021 7:47:43 PM	61267
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/14/2021 7:47:43 PM	61267
Toluene	ND	0.049		mg/Kg	1	7/14/2021 7:47:43 PM	61267
Ethylbenzene	ND	0.049		mg/Kg	1	7/14/2021 7:47:43 PM	61267
Xylenes, Total	ND	0.098		mg/Kg	1	7/14/2021 7:47:43 PM	61267
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	7/14/2021 7:47:43 PM	61267

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

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

Analytical Report

Lab Order: 2107544

Date Reported: 7/27/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Lab Order: 2107544

Project: Nix Curtis BH Battery

Lab ID: 2107544-015

Collection Date: 7/9/2021 10:25:00 AM

Client Sample ID: TP33-6

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	1000	61		mg/Kg	20	7/19/2021 11:07:20 AM	61392
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	7/14/2021 2:16:19 PM	61268
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/14/2021 2:16:19 PM	61268
Surr: DNOP	89.0	70-130		%Rec	1	7/14/2021 2:16:19 PM	61268
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/14/2021 8:11:18 PM	61267
Surr: BFB	99.3	70-130		%Rec	1	7/14/2021 8:11:18 PM	61267
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/14/2021 8:11:18 PM	61267
Toluene	ND	0.049		mg/Kg	1	7/14/2021 8:11:18 PM	61267
Ethylbenzene	ND	0.049		mg/Kg	1	7/14/2021 8:11:18 PM	61267
Xylenes, Total	ND	0.097		mg/Kg	1	7/14/2021 8:11:18 PM	61267
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	7/14/2021 8:11:18 PM	61267

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

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

Analytical Report

Lab Order: 2107544

Date Reported: 7/27/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Nix Curtis BH Battery

Lab Order: 2107544

Lab ID: 2107544-016

Collection Date: 7/9/2021 10:35:00 AM

Client Sample ID: TP33-10

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	1900	60		mg/Kg	20	7/19/2021 11:19:44 AM	61392
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/14/2021 2:28:37 PM	61268
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/14/2021 2:28:37 PM	61268
Surr: DNOP	82.6	70-130		%Rec	1	7/14/2021 2:28:37 PM	61268
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	7/14/2021 8:34:59 PM	61267
Surr: BFB	96.9	70-130		%Rec	1	7/14/2021 8:34:59 PM	61267
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/14/2021 8:34:59 PM	61267
Toluene	ND	0.047		mg/Kg	1	7/14/2021 8:34:59 PM	61267
Ethylbenzene	ND	0.047		mg/Kg	1	7/14/2021 8:34:59 PM	61267
Xylenes, Total	ND	0.094		mg/Kg	1	7/14/2021 8:34:59 PM	61267
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	7/14/2021 8:34:59 PM	61267

Lab ID: 2107544-017

Collection Date: 7/9/2021 10:50:00 AM

Client Sample ID: TP33-15

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	380	60		mg/Kg	20	7/19/2021 11:32:10 AM	61392
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	7/14/2021 2:40:57 PM	61268
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/14/2021 2:40:57 PM	61268
Surr: DNOP	86.4	70-130		%Rec	1	7/14/2021 2:40:57 PM	61268
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/14/2021 9:45:45 PM	61267
Surr: BFB	97.1	70-130		%Rec	1	7/14/2021 9:45:45 PM	61267
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/14/2021 9:45:45 PM	61267
Toluene	ND	0.049		mg/Kg	1	7/14/2021 9:45:45 PM	61267
Ethylbenzene	ND	0.049		mg/Kg	1	7/14/2021 9:45:45 PM	61267
Xylenes, Total	ND	0.097		mg/Kg	1	7/14/2021 9:45:45 PM	61267
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	7/14/2021 9:45:45 PM	61267

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

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

Analytical Report

Lab Order: 2107544

Date Reported: 7/27/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Lab Order: 2107544

Project: Nix Curtis BH Battery

Lab ID: 2107544-019

Collection Date: 7/9/2021 11:20:00 AM

Client Sample ID: TP34-S

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	7/19/2021 11:44:35 AM	61392
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	7/14/2021 2:53:12 PM	61268
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/14/2021 2:53:12 PM	61268
Surr: DNOP	96.9	70-130		%Rec	1	7/14/2021 2:53:12 PM	61268
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/14/2021 10:09:17 PM	61267
Surr: BFB	99.4	70-130		%Rec	1	7/14/2021 10:09:17 PM	61267
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/14/2021 10:09:17 PM	61267
Toluene	ND	0.048		mg/Kg	1	7/14/2021 10:09:17 PM	61267
Ethylbenzene	ND	0.048		mg/Kg	1	7/14/2021 10:09:17 PM	61267
Xylenes, Total	ND	0.096		mg/Kg	1	7/14/2021 10:09:17 PM	61267
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	7/14/2021 10:09:17 PM	61267

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

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

Analytical Report

Lab Order: 2107544

Date Reported: 7/27/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Nix Curtis BH Battery

Lab Order: 2107544

Lab ID: 2107544-020

Collection Date: 7/9/2021 11:25:00 AM

Client Sample ID: TP34-2

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	7/19/2021 11:56:59 AM	61392
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	7/14/2021 3:05:32 PM	61268
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/14/2021 3:05:32 PM	61268
Surr: DNOP	81.3	70-130		%Rec	1	7/14/2021 3:05:32 PM	61268
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/14/2021 10:32:55 PM	61267
Surr: BFB	97.9	70-130		%Rec	1	7/14/2021 10:32:55 PM	61267
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/14/2021 10:32:55 PM	61267
Toluene	ND	0.049		mg/Kg	1	7/14/2021 10:32:55 PM	61267
Ethylbenzene	ND	0.049		mg/Kg	1	7/14/2021 10:32:55 PM	61267
Xylenes, Total	ND	0.098		mg/Kg	1	7/14/2021 10:32:55 PM	61267
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	7/14/2021 10:32:55 PM	61267

Lab ID: 2107544-021

Collection Date: 7/9/2021 11:30:00 AM

Client Sample ID: TP35-S

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	7/19/2021 12:09:24 PM	61392
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	7/14/2021 4:29:47 PM	61275
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/14/2021 4:29:47 PM	61275
Surr: DNOP	73.4	70-130		%Rec	1	7/14/2021 4:29:47 PM	61275
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/14/2021 10:56:32 PM	61267
Surr: BFB	99.6	70-130		%Rec	1	7/14/2021 10:56:32 PM	61267
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/14/2021 10:56:32 PM	61267
Toluene	ND	0.049		mg/Kg	1	7/14/2021 10:56:32 PM	61267
Ethylbenzene	ND	0.049		mg/Kg	1	7/14/2021 10:56:32 PM	61267
Xylenes, Total	ND	0.098		mg/Kg	1	7/14/2021 10:56:32 PM	61267
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	7/14/2021 10:56:32 PM	61267

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

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

Analytical Report

Lab Order: 2107544

Date Reported: 7/27/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Lab Order: 2107544

Project: Nix Curtis BH Battery

Lab ID: 2107544-022

Collection Date: 7/9/2021 11:35:00 AM

Client Sample ID: TP35-2

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	7/19/2021 12:21:49 PM	61392
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	7/15/2021 12:43:23 PM	61306
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/15/2021 12:43:23 PM	61306
Surr: DNOP	76.2	70-130		%Rec	1	7/15/2021 12:43:23 PM	61306
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	7/14/2021 6:24:00 PM	61271
Surr: BFB	113	70-130		%Rec	1	7/14/2021 6:24:00 PM	61271
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.023		mg/Kg	1	7/14/2021 6:24:00 PM	61271
Toluene	ND	0.047		mg/Kg	1	7/14/2021 6:24:00 PM	61271
Ethylbenzene	ND	0.047		mg/Kg	1	7/14/2021 6:24:00 PM	61271
Xylenes, Total	ND	0.094		mg/Kg	1	7/14/2021 6:24:00 PM	61271
Surr: 4-Bromofluorobenzene	113	70-130		%Rec	1	7/14/2021 6:24:00 PM	61271

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

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

Analytical Report

Lab Order: 2107544

Date Reported: 7/27/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Nix Curtis BH Battery

Lab Order: 2107544

Lab ID: 2107544-023

Collection Date: 7/9/2021 12:55:00 PM

Client Sample ID: TP36-S

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	7/19/2021 12:59:03 PM	61392
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	160	20		mg/Kg	2	7/16/2021 9:12:17 PM	61306
Motor Oil Range Organics (MRO)	590	99		mg/Kg	2	7/16/2021 9:12:17 PM	61306
Surr: DNOP	108	70-130		%Rec	2	7/16/2021 9:12:17 PM	61306
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	7/14/2021 7:24:00 PM	61271
Surr: BFB	111	70-130		%Rec	1	7/14/2021 7:24:00 PM	61271
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.023		mg/Kg	1	7/14/2021 7:24:00 PM	61271
Toluene	ND	0.046		mg/Kg	1	7/14/2021 7:24:00 PM	61271
Ethylbenzene	ND	0.046		mg/Kg	1	7/14/2021 7:24:00 PM	61271
Xylenes, Total	ND	0.091		mg/Kg	1	7/14/2021 7:24:00 PM	61271
Surr: 4-Bromofluorobenzene	112	70-130		%Rec	1	7/14/2021 7:24:00 PM	61271

Lab ID: 2107544-024

Collection Date: 7/9/2021 1:00:00 PM

Client Sample ID: TP36-2

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	7/19/2021 1:11:27 PM	61392
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	56	19		mg/Kg	2	7/16/2021 9:59:58 PM	61306
Motor Oil Range Organics (MRO)	250	95		mg/Kg	2	7/16/2021 9:59:58 PM	61306
Surr: DNOP	124	70-130		%Rec	2	7/16/2021 9:59:58 PM	61306
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/14/2021 8:24:00 PM	61271
Surr: BFB	104	70-130		%Rec	1	7/14/2021 8:24:00 PM	61271
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	7/14/2021 8:24:00 PM	61271
Toluene	ND	0.048		mg/Kg	1	7/14/2021 8:24:00 PM	61271
Ethylbenzene	ND	0.048		mg/Kg	1	7/14/2021 8:24:00 PM	61271
Xylenes, Total	ND	0.096		mg/Kg	1	7/14/2021 8:24:00 PM	61271
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	7/14/2021 8:24:00 PM	61271

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

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

Analytical Report

Lab Order: 2107544

Date Reported: 7/27/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Lab Order: 2107544

Project: Nix Curtis BH Battery

Lab ID: 2107544-025

Collection Date: 7/9/2021 1:40:00 PM

Client Sample ID: TP7-16

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	280	60		mg/Kg	20	7/19/2021 1:23:51 PM	61392
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	7/15/2021 1:56:33 PM	61306
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/15/2021 1:56:33 PM	61306
Surr: DNOP	73.5	70-130		%Rec	1	7/15/2021 1:56:33 PM	61306
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	7/14/2021 8:43:00 PM	61271
Surr: BFB	108	70-130		%Rec	1	7/14/2021 8:43:00 PM	61271
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	7/14/2021 8:43:00 PM	61271
Toluene	ND	0.047		mg/Kg	1	7/14/2021 8:43:00 PM	61271
Ethylbenzene	ND	0.047		mg/Kg	1	7/14/2021 8:43:00 PM	61271
Xylenes, Total	ND	0.095		mg/Kg	1	7/14/2021 8:43:00 PM	61271
Surr: 4-Bromofluorobenzene	108	70-130		%Rec	1	7/14/2021 8:43:00 PM	61271

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

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

Analytical Report

Lab Order: 2107544

Date Reported: 7/27/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Nix Curtis BH Battery

Lab Order: 2107544

Lab ID: 2107544-027

Collection Date: 7/9/2021 2:15:00 PM

Client Sample ID: TP37-S

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	7/19/2021 1:36:16 PM	61392
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/15/2021 2:20:51 PM	61306
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/15/2021 2:20:51 PM	61306
Surr: DNOP	91.8	70-130		%Rec	1	7/15/2021 2:20:51 PM	61306
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	7/14/2021 9:03:00 PM	61271
Surr: BFB	110	70-130		%Rec	1	7/14/2021 9:03:00 PM	61271
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	7/14/2021 9:03:00 PM	61271
Toluene	ND	0.047		mg/Kg	1	7/14/2021 9:03:00 PM	61271
Ethylbenzene	ND	0.047		mg/Kg	1	7/14/2021 9:03:00 PM	61271
Xylenes, Total	ND	0.094		mg/Kg	1	7/14/2021 9:03:00 PM	61271
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	1	7/14/2021 9:03:00 PM	61271

Lab ID: 2107544-028

Collection Date: 7/9/2021 2:20:00 PM

Client Sample ID: TP37-2

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	7/19/2021 1:48:41 PM	61392
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	7/15/2021 2:45:14 PM	61306
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/15/2021 2:45:14 PM	61306
Surr: DNOP	77.8	70-130		%Rec	1	7/15/2021 2:45:14 PM	61306
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	7/14/2021 9:23:00 PM	61271
Surr: BFB	110	70-130		%Rec	1	7/14/2021 9:23:00 PM	61271
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.023		mg/Kg	1	7/14/2021 9:23:00 PM	61271
Toluene	ND	0.047		mg/Kg	1	7/14/2021 9:23:00 PM	61271
Ethylbenzene	ND	0.047		mg/Kg	1	7/14/2021 9:23:00 PM	61271
Xylenes, Total	ND	0.093		mg/Kg	1	7/14/2021 9:23:00 PM	61271
Surr: 4-Bromofluorobenzene	110	70-130		%Rec	1	7/14/2021 9:23:00 PM	61271

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

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

Analytical Report

Lab Order: 2107544

Date Reported: 7/27/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Lab Order: 2107544

Project: Nix Curtis BH Battery

Lab ID: 2107544-029

Collection Date: 7/9/2021 2:35:00 PM

Client Sample ID: TP11-6

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	210	60		mg/Kg	20	7/19/2021 2:01:06 PM	61392
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	7/15/2021 3:09:31 PM	61306
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/15/2021 3:09:31 PM	61306
Surr: DNOP	83.4	70-130		%Rec	1	7/15/2021 3:09:31 PM	61306
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/14/2021 9:43:00 PM	61271
Surr: BFB	112	70-130		%Rec	1	7/14/2021 9:43:00 PM	61271
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	7/14/2021 9:43:00 PM	61271
Toluene	ND	0.049		mg/Kg	1	7/14/2021 9:43:00 PM	61271
Ethylbenzene	ND	0.049		mg/Kg	1	7/14/2021 9:43:00 PM	61271
Xylenes, Total	ND	0.098		mg/Kg	1	7/14/2021 9:43:00 PM	61271
Surr: 4-Bromofluorobenzene	110	70-130		%Rec	1	7/14/2021 9:43:00 PM	61271

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

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

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

WO#: 2107544

27-Jul-21

Client: GHD Midland
Project: Nix Curtis BH Battery

Sample ID: MB-61363	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 61363	RunNo: 79843								
Prep Date: 7/16/2021	Analysis Date: 7/16/2021	SeqNo: 2809981 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-61363	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 61363	RunNo: 79843								
Prep Date: 7/16/2021	Analysis Date: 7/16/2021	SeqNo: 2809982 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.1	90	110			

Sample ID: MB-61373	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 61373	RunNo: 79843								
Prep Date: 7/16/2021	Analysis Date: 7/16/2021	SeqNo: 2810023 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-61373	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 61373	RunNo: 79843								
Prep Date: 7/16/2021	Analysis Date: 7/16/2021	SeqNo: 2810024 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.3	90	110			

Sample ID: MB-61392	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 61392	RunNo: 79876								
Prep Date: 7/19/2021	Analysis Date: 7/19/2021	SeqNo: 2811073 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-61392	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 61392	RunNo: 79876								
Prep Date: 7/19/2021	Analysis Date: 7/19/2021	SeqNo: 2811074 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.3	90	110			

Qualifiers:

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

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

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

WO#: 2107544

27-Jul-21

Client: GHD Midland
Project: Nix Curtis BH Battery

Sample ID: MB-61268	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 61268	RunNo: 79790								
Prep Date: 7/13/2021	Analysis Date: 7/14/2021	SeqNo: 2807608 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.9		10.00		89.4	70	130			

Sample ID: LCS-61268	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 61268	RunNo: 79790								
Prep Date: 7/13/2021	Analysis Date: 7/14/2021	SeqNo: 2807609 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	91.4	68.9	141			
Surr: DNOP	4.2		5.000		83.6	70	130			

Sample ID: MB-61275	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 61275	RunNo: 79790								
Prep Date: 7/13/2021	Analysis Date: 7/14/2021	SeqNo: 2807632 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.8		10.00		88.4	70	130			

Sample ID: LCS-61275	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 61275	RunNo: 79790								
Prep Date: 7/13/2021	Analysis Date: 7/14/2021	SeqNo: 2807633 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	39	10	50.00	0	78.1	68.9	141			
Surr: DNOP	4.0		5.000		80.9	70	130			

Sample ID: MB-61306	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 61306	RunNo: 79852								
Prep Date: 7/14/2021	Analysis Date: 7/15/2021	SeqNo: 2809184 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.2		10.00		81.9	70	130			

Qualifiers:

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

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

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

WO#: 2107544

27-Jul-21

Client: GHD Midland
Project: Nix Curtis BH Battery

Sample ID: 2107544-022AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: TP35-2	Batch ID: 61306	RunNo: 79852								
Prep Date: 7/14/2021	Analysis Date: 7/15/2021	SeqNo: 2809187 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	9.6	48.17	0	89.3	15	184			
Surr: DNOP	3.8		4.817		78.2	70	130			

Sample ID: 2107544-022AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: TP35-2	Batch ID: 61306	RunNo: 79852								
Prep Date: 7/14/2021	Analysis Date: 7/15/2021	SeqNo: 2809189 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	9.9	49.50	0	94.7	15	184	8.52	23.9	
Surr: DNOP	4.0		4.950		79.8	70	130	0	0	

Sample ID: LCS-61306	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 61306	RunNo: 79852								
Prep Date: 7/14/2021	Analysis Date: 7/15/2021	SeqNo: 2809192 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	93.2	68.9	141			
Surr: DNOP	4.0		5.000		80.9	70	130			

Qualifiers:

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

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

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

WO#: 2107544

27-Jul-21

Client: GHD Midland
Project: Nix Curtis BH Battery

Sample ID: mb-61267	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 61267	RunNo: 79803								
Prep Date: 7/13/2021	Analysis Date: 7/14/2021	SeqNo: 2806923 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		101	70	130			

Sample ID: lcs-61267	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 61267	RunNo: 79803								
Prep Date: 7/13/2021	Analysis Date: 7/14/2021	SeqNo: 2806924 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	98.9	78.6	131			
Surr: BFB	1100		1000		110	70	130			

Sample ID: 2107544-001ams	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: TP28-2	Batch ID: 61267	RunNo: 79803								
Prep Date: 7/13/2021	Analysis Date: 7/14/2021	SeqNo: 2806926 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	4.7	23.30	0	112	61.3	114			
Surr: BFB	1000		932.0		112	70	130			

Sample ID: 2107544-001amsd	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: TP28-2	Batch ID: 61267	RunNo: 79803								
Prep Date: 7/13/2021	Analysis Date: 7/14/2021	SeqNo: 2806927 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	4.6	23.23	0	119	61.3	114	6.01	20	S
Surr: BFB	1000		929.4		112	70	130	0	0	

Sample ID: mb-61271	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 61271	RunNo: 79778								
Prep Date: 7/13/2021	Analysis Date: 7/14/2021	SeqNo: 2807071 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		110	70	130			

Sample ID: lcs-61271	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 61271	RunNo: 79778								
Prep Date: 7/13/2021	Analysis Date: 7/14/2021	SeqNo: 2807072 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

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

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

Page 22 of 25

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

WO#: 2107544

27-Jul-21

Client: GHD Midland
Project: Nix Curtis BH Battery

Sample ID: Ics-61271	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 61271		RunNo: 79778							
Prep Date: 7/13/2021	Analysis Date: 7/14/2021		SeqNo: 2807072		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	93.7	78.6	131			
Surr: BFB	1200		1000		120	70	130			

Sample ID: 2107544-022ams	SampType: MS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: TP35-2	Batch ID: 61271		RunNo: 79778							
Prep Date: 7/13/2021	Analysis Date: 7/14/2021		SeqNo: 2807073		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	4.7	23.70	0	113	61.3	114			
Surr: BFB	1200		947.9		128	70	130			

Sample ID: 2107544-022amsd	SampType: MSD		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: TP35-2	Batch ID: 61271		RunNo: 79778							
Prep Date: 7/13/2021	Analysis Date: 7/14/2021		SeqNo: 2807074		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	4.7	23.58	0	112	61.3	114	0.829	20	
Surr: BFB	1200		943.4		123	70	130	0	0	

Qualifiers:

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

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

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

WO#: 2107544

27-Jul-21

Client: GHD Midland
Project: Nix Curtis BH Battery

Sample ID: mb-61267	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 61267	RunNo: 79803								
Prep Date: 7/13/2021	Analysis Date: 7/14/2021	SeqNo: 2806961 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		104	70	130			

Sample ID: LCS-61267	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 61267	RunNo: 79803								
Prep Date: 7/13/2021	Analysis Date: 7/14/2021	SeqNo: 2806962 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.025	1.000	0	96.7	80	120			
Toluene	0.98	0.050	1.000	0	98.5	80	120			
Ethylbenzene	0.99	0.050	1.000	0	99.1	80	120			
Xylenes, Total	3.0	0.10	3.000	0	99.2	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		105	70	130			

Sample ID: 2107544-002ams	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: TP28-6	Batch ID: 61267	RunNo: 79803								
Prep Date: 7/13/2021	Analysis Date: 7/14/2021	SeqNo: 2806965 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.024	0.9653	0	108	80	120			
Toluene	1.1	0.048	0.9653	0	112	80	120			
Ethylbenzene	1.1	0.048	0.9653	0	113	80	120			
Xylenes, Total	3.3	0.097	2.896	0	114	80	120			
Surr: 4-Bromofluorobenzene	1.0		0.9653		104	70	130			

Sample ID: 2107544-002amsd	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: TP28-6	Batch ID: 61267	RunNo: 79803								
Prep Date: 7/13/2021	Analysis Date: 7/14/2021	SeqNo: 2806966 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.024	0.9416	0	106	80	120	3.64	20	
Toluene	1.0	0.047	0.9416	0	110	80	120	4.16	20	
Ethylbenzene	1.1	0.047	0.9416	0	113	80	120	2.73	20	
Xylenes, Total	3.2	0.094	2.825	0	112	80	120	4.20	20	
Surr: 4-Bromofluorobenzene	0.85		0.9416		90.0	70	130	0	0	

Qualifiers:

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

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

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

WO#: 2107544

27-Jul-21

Client: GHD Midland
Project: Nix Curtis BH Battery

Sample ID: mb-61271	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 61271	RunNo: 79778								
Prep Date: 7/13/2021	Analysis Date: 7/14/2021	SeqNo: 2807109 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		111	70	130			

Sample ID: lcs-61271	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 61271	RunNo: 79778								
Prep Date: 7/13/2021	Analysis Date: 7/14/2021	SeqNo: 2807110 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	1.000	0	90.2	80	120			
Toluene	0.92	0.050	1.000	0	92.3	80	120			
Ethylbenzene	0.95	0.050	1.000	0	94.8	80	120			
Xylenes, Total	2.9	0.10	3.000	0	95.4	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		111	70	130			

Sample ID: 2107544-023ams	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: TP36-S	Batch ID: 61271	RunNo: 79778								
Prep Date: 7/13/2021	Analysis Date: 7/14/2021	SeqNo: 2807111 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.86	0.023	0.9294	0	92.3	80	120			
Toluene	0.89	0.046	0.9294	0	95.4	80	120			
Ethylbenzene	0.92	0.046	0.9294	0	99.0	80	120			
Xylenes, Total	2.8	0.093	2.788	0	99.1	80	120			
Surr: 4-Bromofluorobenzene	1.0		0.9294		108	70	130			

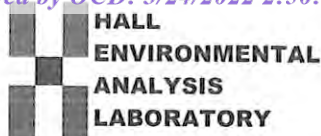
Sample ID: 2107544-023amsd	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: TP36-S	Batch ID: 61271	RunNo: 79778								
Prep Date: 7/13/2021	Analysis Date: 7/14/2021	SeqNo: 2807112 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.024	0.9452	0	104	80	120	13.5	20	
Toluene	1.0	0.047	0.9452	0	107	80	120	12.9	20	
Ethylbenzene	1.0	0.047	0.9452	0	111	80	120	12.9	20	
Xylenes, Total	3.2	0.095	2.836	0	111	80	120	13.3	20	
Surr: 4-Bromofluorobenzene	1.1		0.9452		114	70	130	0	0	

Qualifiers:

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

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

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

Sample Log-In Check List

Client Name: GHD Midland

Work Order Number: 2107544

RcptNo: 1

Received By: Cheyenne Cason

7/13/2021 7:20:00 AM

CC

Completed By: Sean Livingston

7/13/2021 8:03:34 AM

SL

Reviewed By:

*JR 7/13/21*Chain of Custody

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

Log In

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

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by: *KPH / TC*

7/13/21

Special Handling (if applicable)

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

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

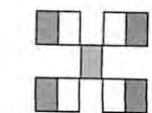
16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.9	Good				
2	0.7	Good				

Chain-of-Custody Record

Client: GHD		Turn-Around Time:	
☒ Standard ☐ Rush		S-2g	
Project Name:		Vio Curtis Bl Battery	
Project #:		11229322	
Project Manager:		Becky Haskell	
Tom Larson		SAMPLER: Zach Comino	
On Ice: ☒ Yes ☐ No		# of Coolers: 2	
Cooler Temp (including CP):		1.9-0 = 1.9	
Cooler Temp (including CP):		0.7-0 = 0.7	
Date	Time	Matrix	Sample Name
07/09/21	0955	S	TP32-2
	1010		TP33-2
	1025		TP33-6
	1035		TP33-10
	1050		TP33-15
	1055		TP33-20
	1120		TP34-5
	1125		TP34-2
	1130		TP35-5
	1135		TP35-2
	1255		TP36-5
	1300		TP36-2
Date:	Time:	Relinquished by:	Relinquished by:
07/22/21	0800	Zach Comino	Becky Haskell
Date:	Time:	Relinquished by:	Relinquished by:
07/24/21	1900	Becky Haskell	Becky Haskell



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

8081 Pesticides/8082 PCB's	
TPH: 8015D (GRO / DRO / MRO)	
8081 Pesticides/8082 PCB's	
EDB (Method 504.1)	
PAHs by 8310 or 8270SIMS	
RCRA 8 Metals	
Cl, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄	
8260 (VOA)	
8270 (Semi-VOA)	
Total Coliform (Present/Absent)	
Chloride Method 800	
Run only if TP33-15 fails	

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

Direct Bill to EOG Chase Settle

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



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

July 26, 2021

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

RE: Nix Curtis BH Battery

OrderNo.: 2107639

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 24 sample(s) on 7/14/2021 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order: 2107639

Date Reported: 7/26/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Nix Curtis BH Battery

Lab Order: 2107639

Lab ID: 2107639-001

Collection Date: 7/12/2021 6:45:00 AM

Client Sample ID: TP38-S

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	59		mg/Kg	20	7/20/2021 1:48:34 AM	61402
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/16/2021 4:33:39 AM	61310
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/16/2021 4:33:39 AM	61310
Surr: DNOP	79.1	70-130		%Rec	1	7/16/2021 4:33:39 AM	61310
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/15/2021 4:49:21 PM	61302
Surr: BFB	99.0	70-130		%Rec	1	7/15/2021 4:49:21 PM	61302
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/15/2021 4:49:21 PM	61302
Toluene	ND	0.048		mg/Kg	1	7/15/2021 4:49:21 PM	61302
Ethylbenzene	ND	0.048		mg/Kg	1	7/15/2021 4:49:21 PM	61302
Xylenes, Total	ND	0.095		mg/Kg	1	7/15/2021 4:49:21 PM	61302
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	7/15/2021 4:49:21 PM	61302

Lab ID: 2107639-002

Collection Date: 7/12/2021 6:50:00 AM

Client Sample ID: TP38-2

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	7/20/2021 2:00:59 AM	61402
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	12	9.3		mg/Kg	1	7/16/2021 11:59:14 PM	61310
Motor Oil Range Organics (MRO)	71	47		mg/Kg	1	7/16/2021 11:59:14 PM	61310
Surr: DNOP	127	70-130		%Rec	1	7/16/2021 11:59:14 PM	61310
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	7/15/2021 5:13:08 PM	61302
Surr: BFB	99.7	70-130		%Rec	1	7/15/2021 5:13:08 PM	61302
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	7/15/2021 5:13:08 PM	61302
Toluene	ND	0.046		mg/Kg	1	7/15/2021 5:13:08 PM	61302
Ethylbenzene	ND	0.046		mg/Kg	1	7/15/2021 5:13:08 PM	61302
Xylenes, Total	ND	0.092		mg/Kg	1	7/15/2021 5:13:08 PM	61302
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	7/15/2021 5:13:08 PM	61302

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

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

Analytical Report

Lab Order: 2107639

Date Reported: 7/26/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Lab Order: 2107639

Project: Nix Curtis BH Battery

Lab ID: 2107639-003

Collection Date: 7/12/2021 7:50:00 AM

Client Sample ID: TP8-14

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	180	60		mg/Kg	20	7/20/2021 2:13:24 AM	61402
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	7/16/2021 4:57:53 AM	61310
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/16/2021 4:57:53 AM	61310
Surr: DNOP	78.3	70-130		%Rec	1	7/16/2021 4:57:53 AM	61310
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	7/15/2021 5:36:57 PM	61302
Surr: BFB	101	70-130		%Rec	1	7/15/2021 5:36:57 PM	61302
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/15/2021 5:36:57 PM	61302
Toluene	ND	0.047		mg/Kg	1	7/15/2021 5:36:57 PM	61302
Ethylbenzene	ND	0.047		mg/Kg	1	7/15/2021 5:36:57 PM	61302
Xylenes, Total	ND	0.094		mg/Kg	1	7/15/2021 5:36:57 PM	61302
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	7/15/2021 5:36:57 PM	61302

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

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

Analytical Report

Lab Order: 2107639

Date Reported: 7/26/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Nix Curtis BH Battery

Lab Order: 2107639

Lab ID: 2107639-005

Collection Date: 7/12/2021 8:20:00 AM

Client Sample ID: TP39-2

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	1500	59		mg/Kg	20	7/20/2021 2:25:49 AM	61402
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	7/17/2021 1:58:07 AM	61310
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/17/2021 1:58:07 AM	61310
Surr: DNOP	76.9	70-130		%Rec	1	7/17/2021 1:58:07 AM	61310
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	7/15/2021 6:00:44 PM	61302
Surr: BFB	100	70-130		%Rec	1	7/15/2021 6:00:44 PM	61302
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/15/2021 6:00:44 PM	61302
Toluene	ND	0.047		mg/Kg	1	7/15/2021 6:00:44 PM	61302
Ethylbenzene	ND	0.047		mg/Kg	1	7/15/2021 6:00:44 PM	61302
Xylenes, Total	ND	0.094		mg/Kg	1	7/15/2021 6:00:44 PM	61302
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	7/15/2021 6:00:44 PM	61302

Lab ID: 2107639-006

Collection Date: 7/12/2021 8:30:00 AM

Client Sample ID: TP39-5

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	550	61		mg/Kg	20	7/20/2021 2:38:14 AM	61402
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	7/16/2021 5:46:27 AM	61310
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/16/2021 5:46:27 AM	61310
Surr: DNOP	75.8	70-130		%Rec	1	7/16/2021 5:46:27 AM	61310
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	7/15/2021 6:24:36 PM	61302
Surr: BFB	104	70-130		%Rec	1	7/15/2021 6:24:36 PM	61302
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	7/15/2021 6:24:36 PM	61302
Toluene	ND	0.047		mg/Kg	1	7/15/2021 6:24:36 PM	61302
Ethylbenzene	ND	0.047		mg/Kg	1	7/15/2021 6:24:36 PM	61302
Xylenes, Total	ND	0.094		mg/Kg	1	7/15/2021 6:24:36 PM	61302
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	1	7/15/2021 6:24:36 PM	61302

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

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

Analytical Report

Lab Order: 2107639

Date Reported: 7/26/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Nix Curtis BH Battery

Lab Order: 2107639

Lab ID: 2107639-009

Collection Date: 7/12/2021 9:00:00 AM

Client Sample ID: TP40-S

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	7/20/2021 2:50:38 AM	61402
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	7/17/2021 2:21:50 AM	61310
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/17/2021 2:21:50 AM	61310
Surr: DNOP	98.4	70-130		%Rec	1	7/17/2021 2:21:50 AM	61310
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/15/2021 6:48:20 PM	61302
Surr: BFB	101	70-130		%Rec	1	7/15/2021 6:48:20 PM	61302
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/15/2021 6:48:20 PM	61302
Toluene	ND	0.048		mg/Kg	1	7/15/2021 6:48:20 PM	61302
Ethylbenzene	ND	0.048		mg/Kg	1	7/15/2021 6:48:20 PM	61302
Xylenes, Total	ND	0.097		mg/Kg	1	7/15/2021 6:48:20 PM	61302
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	7/15/2021 6:48:20 PM	61302

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

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

Analytical Report

Lab Order: 2107639

Date Reported: 7/26/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Nix Curtis BH Battery

Lab Order: 2107639

Lab ID: 2107639-010

Collection Date: 7/12/2021 9:15:00 AM

Client Sample ID: TP40-2

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	190	60		mg/Kg	20	7/20/2021 7:39:43 AM	61410
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/15/2021 2:29:45 PM	61314
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/15/2021 2:29:45 PM	61314
Surr: DNOP	99.3	70-130		%Rec	1	7/15/2021 2:29:45 PM	61314
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/15/2021 3:14:00 PM	61309
Surr: BFB	110	70-130		%Rec	1	7/15/2021 3:14:00 PM	61309
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	7/15/2021 3:14:00 PM	61309
Toluene	ND	0.049		mg/Kg	1	7/15/2021 3:14:00 PM	61309
Ethylbenzene	ND	0.049		mg/Kg	1	7/15/2021 3:14:00 PM	61309
Xylenes, Total	ND	0.098		mg/Kg	1	7/15/2021 3:14:00 PM	61309
Surr: 4-Bromofluorobenzene	112	70-130		%Rec	1	7/15/2021 3:14:00 PM	61309

Lab ID: 2107639-011

Collection Date: 7/12/2021 9:30:00 AM

Client Sample ID: TP14-8

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	380	60		mg/Kg	20	7/20/2021 8:16:58 AM	61410
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	7/15/2021 3:41:37 PM	61314
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/15/2021 3:41:37 PM	61314
Surr: DNOP	93.5	70-130		%Rec	1	7/15/2021 3:41:37 PM	61314
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/15/2021 5:15:00 PM	61309
Surr: BFB	111	70-130		%Rec	1	7/15/2021 5:15:00 PM	61309
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	7/15/2021 5:15:00 PM	61309
Toluene	ND	0.049		mg/Kg	1	7/15/2021 5:15:00 PM	61309
Ethylbenzene	ND	0.049		mg/Kg	1	7/15/2021 5:15:00 PM	61309
Xylenes, Total	ND	0.097		mg/Kg	1	7/15/2021 5:15:00 PM	61309
Surr: 4-Bromofluorobenzene	109	70-130		%Rec	1	7/15/2021 5:15:00 PM	61309

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

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

Analytical Report

Lab Order: 2107639

Date Reported: 7/26/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Nix Curtis BH Battery

Lab Order: 2107639

Lab ID: 2107639-012

Collection Date: 7/12/2021 9:45:00 AM

Client Sample ID: TP14-12

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	210	60		mg/Kg	20	7/20/2021 8:29:22 AM	61410
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	7/15/2021 4:05:32 PM	61314
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/15/2021 4:05:32 PM	61314
Surr: DNOP	88.2	70-130		%Rec	1	7/15/2021 4:05:32 PM	61314
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	7/16/2021 1:52:46 PM	61309
Surr: BFB	98.4	70-130		%Rec	1	7/16/2021 1:52:46 PM	61309
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	7/16/2021 1:52:46 PM	61309
Toluene	ND	0.047		mg/Kg	1	7/16/2021 1:52:46 PM	61309
Ethylbenzene	ND	0.047		mg/Kg	1	7/16/2021 1:52:46 PM	61309
Xylenes, Total	ND	0.093		mg/Kg	1	7/16/2021 1:52:46 PM	61309
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	7/16/2021 1:52:46 PM	61309

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

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

Analytical Report

Lab Order: 2107639

Date Reported: 7/26/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Nix Curtis BH Battery

Lab Order: 2107639**Lab ID:** 2107639-014**Collection Date:** 7/12/2021 10:25:00 AM**Client Sample ID:** TP19-14**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	350	60		mg/Kg	20	7/20/2021 8:41:47 AM	61410
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	7/15/2021 4:29:25 PM	61314
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/15/2021 4:29:25 PM	61314
Surr: DNOP	89.3	70-130		%Rec	1	7/15/2021 4:29:25 PM	61314
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/15/2021 6:36:00 PM	61309
Surr: BFB	108	70-130		%Rec	1	7/15/2021 6:36:00 PM	61309
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	7/15/2021 6:36:00 PM	61309
Toluene	ND	0.050		mg/Kg	1	7/15/2021 6:36:00 PM	61309
Ethylbenzene	ND	0.050		mg/Kg	1	7/15/2021 6:36:00 PM	61309
Xylenes, Total	ND	0.10		mg/Kg	1	7/15/2021 6:36:00 PM	61309
Surr: 4-Bromofluorobenzene	108	70-130		%Rec	1	7/15/2021 6:36:00 PM	61309

Lab ID: 2107639-016**Collection Date:** 7/12/2021 11:05:00 AM**Client Sample ID:** TP41-2**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	3700	150		mg/Kg	50	7/21/2021 11:25:11 AM	61410
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	7/15/2021 4:53:15 PM	61314
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/15/2021 4:53:15 PM	61314
Surr: DNOP	94.1	70-130		%Rec	1	7/15/2021 4:53:15 PM	61314
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	7/15/2021 6:55:00 PM	61309
Surr: BFB	107	70-130		%Rec	1	7/15/2021 6:55:00 PM	61309
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.023		mg/Kg	1	7/15/2021 6:55:00 PM	61309
Toluene	ND	0.046		mg/Kg	1	7/15/2021 6:55:00 PM	61309
Ethylbenzene	ND	0.046		mg/Kg	1	7/15/2021 6:55:00 PM	61309
Xylenes, Total	ND	0.093		mg/Kg	1	7/15/2021 6:55:00 PM	61309
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	1	7/15/2021 6:55:00 PM	61309

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

Qualifiers:

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

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Analytical Report

Lab Order: 2107639

Date Reported: 7/26/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Nix Curtis BH Battery

Lab Order: 2107639

Lab ID: 2107639-017

Collection Date: 7/12/2021 11:20:00 AM

Client Sample ID: TP41-8

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	360	60		mg/Kg	20	7/20/2021 9:06:36 AM	61410
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	8.6		mg/Kg	1	7/15/2021 5:17:02 PM	61314
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	7/15/2021 5:17:02 PM	61314
Surr: DNOP	94.8	70-130		%Rec	1	7/15/2021 5:17:02 PM	61314
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/15/2021 7:16:00 PM	61309
Surr: BFB	104	70-130		%Rec	1	7/15/2021 7:16:00 PM	61309
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	7/15/2021 7:16:00 PM	61309
Toluene	ND	0.050		mg/Kg	1	7/15/2021 7:16:00 PM	61309
Ethylbenzene	ND	0.050		mg/Kg	1	7/15/2021 7:16:00 PM	61309
Xylenes, Total	ND	0.10		mg/Kg	1	7/15/2021 7:16:00 PM	61309
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	7/15/2021 7:16:00 PM	61309

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

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

Analytical Report

Lab Order: 2107639

Date Reported: 7/26/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Nix Curtis BH Battery

Lab Order: 2107639

Lab ID: 2107639-018

Collection Date: 7/12/2021 11:30:00 AM

Client Sample ID: TP41-12

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	180	60		mg/Kg	20	7/20/2021 9:43:50 AM	61410
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	7/15/2021 5:40:55 PM	61314
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/15/2021 5:40:55 PM	61314
Surr: DNOP	98.1	70-130		%Rec	1	7/15/2021 5:40:55 PM	61314
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/15/2021 7:35:00 PM	61309
Surr: BFB	111	70-130		%Rec	1	7/15/2021 7:35:00 PM	61309
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	7/15/2021 7:35:00 PM	61309
Toluene	ND	0.048		mg/Kg	1	7/15/2021 7:35:00 PM	61309
Ethylbenzene	ND	0.048		mg/Kg	1	7/15/2021 7:35:00 PM	61309
Xylenes, Total	ND	0.096		mg/Kg	1	7/15/2021 7:35:00 PM	61309
Surr: 4-Bromofluorobenzene	109	70-130		%Rec	1	7/15/2021 7:35:00 PM	61309

Lab ID: 2107639-019

Collection Date: 7/12/2021 11:35:00 AM

Client Sample ID: TP41-15

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	130	60		mg/Kg	20	7/20/2021 9:56:15 AM	61410
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	7/15/2021 6:04:44 PM	61314
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/15/2021 6:04:44 PM	61314
Surr: DNOP	97.8	70-130		%Rec	1	7/15/2021 6:04:44 PM	61314
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/15/2021 7:55:00 PM	61309
Surr: BFB	108	70-130		%Rec	1	7/15/2021 7:55:00 PM	61309
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	7/15/2021 7:55:00 PM	61309
Toluene	ND	0.048		mg/Kg	1	7/15/2021 7:55:00 PM	61309
Ethylbenzene	ND	0.048		mg/Kg	1	7/15/2021 7:55:00 PM	61309
Xylenes, Total	ND	0.097		mg/Kg	1	7/15/2021 7:55:00 PM	61309
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	1	7/15/2021 7:55:00 PM	61309

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

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

Analytical Report

Lab Order: 2107639

Date Reported: 7/26/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Lab Order: 2107639

Project: Nix Curtis BH Battery

Lab ID: 2107639-021

Collection Date: 7/12/2021 12:40:00 PM

Client Sample ID: TP42-S

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	7/20/2021 10:08:40 AM	61410
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	7/21/2021 10:05:02 AM	61431
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/21/2021 10:05:02 AM	61431
Surr: DNOP	94.7	70-130		%Rec	1	7/21/2021 10:05:02 AM	61431
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/15/2021 8:15:00 PM	61309
Surr: BFB	110	70-130		%Rec	1	7/15/2021 8:15:00 PM	61309
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	7/15/2021 8:15:00 PM	61309
Toluene	ND	0.050		mg/Kg	1	7/15/2021 8:15:00 PM	61309
Ethylbenzene	ND	0.050		mg/Kg	1	7/15/2021 8:15:00 PM	61309
Xylenes, Total	ND	0.10		mg/Kg	1	7/15/2021 8:15:00 PM	61309
Surr: 4-Bromofluorobenzene	109	70-130		%Rec	1	7/15/2021 8:15:00 PM	61309

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

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

Analytical Report

Lab Order: 2107639

Date Reported: 7/26/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Nix Curtis BH Battery

Lab Order: 2107639

Lab ID: 2107639-022

Collection Date: 7/12/2021 12:45:00 PM

Client Sample ID: TP42-2

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	7/20/2021 10:21:04 AM	61410
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	7/15/2021 6:52:27 PM	61314
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/15/2021 6:52:27 PM	61314
Surr: DNOP	101	70-130		%Rec	1	7/15/2021 6:52:27 PM	61314
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/15/2021 8:35:00 PM	61309
Surr: BFB	109	70-130		%Rec	1	7/15/2021 8:35:00 PM	61309
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	7/15/2021 8:35:00 PM	61309
Toluene	ND	0.050		mg/Kg	1	7/15/2021 8:35:00 PM	61309
Ethylbenzene	ND	0.050		mg/Kg	1	7/15/2021 8:35:00 PM	61309
Xylenes, Total	ND	0.10		mg/Kg	1	7/15/2021 8:35:00 PM	61309
Surr: 4-Bromofluorobenzene	109	70-130		%Rec	1	7/15/2021 8:35:00 PM	61309

Lab ID: 2107639-023

Collection Date: 7/12/2021 12:50:00 PM

Client Sample ID: TP43-S

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	7/20/2021 10:33:28 AM	61410
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/15/2021 7:16:19 PM	61314
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/15/2021 7:16:19 PM	61314
Surr: DNOP	86.6	70-130		%Rec	1	7/15/2021 7:16:19 PM	61314
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	7/15/2021 8:55:00 PM	61309
Surr: BFB	110	70-130		%Rec	1	7/15/2021 8:55:00 PM	61309
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	7/15/2021 8:55:00 PM	61309
Toluene	ND	0.047		mg/Kg	1	7/15/2021 8:55:00 PM	61309
Ethylbenzene	ND	0.047		mg/Kg	1	7/15/2021 8:55:00 PM	61309
Xylenes, Total	ND	0.094		mg/Kg	1	7/15/2021 8:55:00 PM	61309
Surr: 4-Bromofluorobenzene	110	70-130		%Rec	1	7/15/2021 8:55:00 PM	61309

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

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

Analytical Report

Lab Order: 2107639

Date Reported: 7/26/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Nix Curtis BH Battery

Lab Order: 2107639

Lab ID: 2107639-024

Collection Date: 7/12/2021 12:55:00 PM

Client Sample ID: TP43-2

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	7/20/2021 10:45:53 AM	61410
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	7/15/2021 7:40:11 PM	61314
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/15/2021 7:40:11 PM	61314
Surr: DNOP	86.3	70-130		%Rec	1	7/15/2021 7:40:11 PM	61314
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/15/2021 10:15:00 PM	61309
Surr: BFB	107	70-130		%Rec	1	7/15/2021 10:15:00 PM	61309
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	7/15/2021 10:15:00 PM	61309
Toluene	ND	0.049		mg/Kg	1	7/15/2021 10:15:00 PM	61309
Ethylbenzene	ND	0.049		mg/Kg	1	7/15/2021 10:15:00 PM	61309
Xylenes, Total	ND	0.098		mg/Kg	1	7/15/2021 10:15:00 PM	61309
Surr: 4-Bromofluorobenzene	109	70-130		%Rec	1	7/15/2021 10:15:00 PM	61309

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

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

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

WO#: 2107639

26-Jul-21

Client: GHD Midland
Project: Nix Curtis BH Battery

Sample ID: MB-61402	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 61402	RunNo: 79876								
Prep Date: 7/19/2021	Analysis Date: 7/19/2021	SeqNo: 2811135 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-61402	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 61402	RunNo: 79876								
Prep Date: 7/19/2021	Analysis Date: 7/19/2021	SeqNo: 2811136 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.1	90	110			

Sample ID: MB-61410	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 61410	RunNo: 79938								
Prep Date: 7/19/2021	Analysis Date: 7/20/2021	SeqNo: 2813087 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-61410	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 61410	RunNo: 79938								
Prep Date: 7/19/2021	Analysis Date: 7/20/2021	SeqNo: 2813088 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.7	90	110			

Qualifiers:

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

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

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

WO#: 2107639

26-Jul-21

Client: GHD Midland
Project: Nix Curtis BH Battery

Sample ID: MB-61314	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 61314	RunNo: 79804								
Prep Date: 7/14/2021	Analysis Date: 7/15/2021	SeqNo: 2808393			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.2		10.00		92.3	70	130			

Sample ID: LCS-61314	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 61314	RunNo: 79804								
Prep Date: 7/14/2021	Analysis Date: 7/15/2021	SeqNo: 2808396			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	40	10	50.00	0	80.9	68.9	141			
Surr: DNOP	4.2		5.000		83.8	70	130			

Sample ID: 2107639-010AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: TP40-2	Batch ID: 61314	RunNo: 79804								
Prep Date: 7/14/2021	Analysis Date: 7/15/2021	SeqNo: 2808400			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	41	9.3	46.60	0	87.6	15	184			
Surr: DNOP	4.5		4.660		95.9	70	130			

Sample ID: 2107639-010AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: TP40-2	Batch ID: 61314	RunNo: 79804								
Prep Date: 7/14/2021	Analysis Date: 7/15/2021	SeqNo: 2808402			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	41	9.4	47.13	0	86.3	15	184	0.405	23.9	
Surr: DNOP	4.3		4.713		90.9	70	130	0	0	

Sample ID: MB-61310	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 61310	RunNo: 79852								
Prep Date: 7/14/2021	Analysis Date: 7/15/2021	SeqNo: 2809183			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.5		10.00		85.3	70	130			

Qualifiers:

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

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

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

WO#: 2107639

26-Jul-21

Client: GHD Midland
Project: Nix Curtis BH Battery

Sample ID: LCS-61310	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 61310			RunNo: 79852						
Prep Date: 7/14/2021	Analysis Date: 7/15/2021			SeqNo: 2809186		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	94.1	68.9	141			
Surr: DNOP	4.0		5.000		79.7	70	130			

Sample ID: MB-61345	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 61345			RunNo: 79901						
Prep Date: 7/15/2021	Analysis Date: 7/16/2021			SeqNo: 2810838		Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	13		10.00		126	70	130			

Sample ID: LCS-61345	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 61345			RunNo: 79901						
Prep Date: 7/15/2021	Analysis Date: 7/16/2021			SeqNo: 2810839		Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.7		5.000		93.3	70	130			

Qualifiers:

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

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

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

WO#: 2107639

26-Jul-21

Client: GHD Midland
Project: Nix Curtis BH Battery

Sample ID: mb-61302	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 61302			RunNo: 79834						
Prep Date: 7/14/2021	Analysis Date: 7/15/2021			SeqNo: 2807986		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	960		1000		96.1	70	130			

Sample ID: lcs-61302	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 61302			RunNo: 79834						
Prep Date: 7/14/2021	Analysis Date: 7/15/2021			SeqNo: 2807987		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	95.4	78.6	131			
Surr: BFB	1100		1000		106	70	130			

Sample ID: mb-61309	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 61309			RunNo: 79817						
Prep Date: 7/14/2021	Analysis Date: 7/15/2021			SeqNo: 2808484		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1200		1000		117	70	130			

Sample ID: lcs-61309	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 61309			RunNo: 79817						
Prep Date: 7/14/2021	Analysis Date: 7/15/2021			SeqNo: 2808485		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	94.5	78.6	131			
Surr: BFB	1200		1000		123	70	130			

Sample ID: 2107639-010ams	SampType: MS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: TP40-2	Batch ID: 61309			RunNo: 79817						
Prep Date: 7/14/2021	Analysis Date: 7/15/2021			SeqNo: 2808492		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	4.8	23.99	0	108	61.3	114			
Surr: BFB	1200		959.7		123	70	130			

Sample ID: 2107639-010amsd	SampType: MSD			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: TP40-2	Batch ID: 61309			RunNo: 79817						
Prep Date: 7/14/2021	Analysis Date: 7/15/2021			SeqNo: 2808516		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

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

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

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

WO#: 2107639

26-Jul-21

Client: GHD Midland
Project: Nix Curtis BH Battery

Sample ID: 2107639-010amsd	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: TP40-2	Batch ID: 61309	RunNo: 79817								
Prep Date: 7/14/2021	Analysis Date: 7/15/2021	SeqNo: 2808516	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	4.9	24.73	0	109	61.3	114	3.20	20	
Surr: BFB	1200		989.1		124	70	130	0	0	

Sample ID: mb-61317	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 61317	RunNo: 79857								
Prep Date: 7/14/2021	Analysis Date: 7/16/2021	SeqNo: 2809863	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	970		1000		97.4	70	130			

Sample ID: lcs-61317	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 61317	RunNo: 79857								
Prep Date: 7/14/2021	Analysis Date: 7/16/2021	SeqNo: 2809864	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100		1000		109	70	130			

Qualifiers:

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

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

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

WO#: 2107639

26-Jul-21

Client: GHD Midland**Project:** Nix Curtis BH Battery

Sample ID: mb-61302	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 61302	RunNo: 79834								
Prep Date: 7/14/2021	Analysis Date: 7/15/2021	SeqNo: 2808143 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		101	70	130			

Sample ID: LCS-61302	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 61302	RunNo: 79834								
Prep Date: 7/14/2021	Analysis Date: 7/15/2021	SeqNo: 2808150 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	93.0	80	120			
Toluene	0.95	0.050	1.000	0	95.3	80	120			
Ethylbenzene	0.96	0.050	1.000	0	96.1	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.6	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		103	70	130			

Sample ID: mb-61309	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 61309	RunNo: 79817								
Prep Date: 7/14/2021	Analysis Date: 7/15/2021	SeqNo: 2808601 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		114	70	130			

Sample ID: lcs-61309	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 61309	RunNo: 79817								
Prep Date: 7/14/2021	Analysis Date: 7/15/2021	SeqNo: 2808649 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	92.7	80	120			
Toluene	0.95	0.050	1.000	0	95.0	80	120			
Ethylbenzene	0.97	0.050	1.000	0	97.0	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.8	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		114	70	130			

Qualifiers:

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

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

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

WO#: 2107639

26-Jul-21

Client: GHD Midland**Project:** Nix Curtis BH Battery

Sample ID: 2107639-011ams	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: TP14-8	Batch ID: 61309	RunNo: 79817								
Prep Date: 7/14/2021	Analysis Date: 7/15/2021	SeqNo: 2808710 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.023	0.9372	0	94.7	80	120			
Toluene	0.91	0.047	0.9372	0	97.2	80	120			
Ethylbenzene	0.95	0.047	0.9372	0	101	80	120			
Xylenes, Total	2.9	0.094	2.812	0	102	80	120			
Surr: 4-Bromofluorobenzene	1.0		0.9372		111	70	130			

Sample ID: 2107639-011amsd	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: TP14-8	Batch ID: 61309	RunNo: 79817								
Prep Date: 7/14/2021	Analysis Date: 7/15/2021	SeqNo: 2808711 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	0.9990	0	91.6	80	120	3.01	20	
Toluene	0.94	0.050	0.9990	0	94.5	80	120	3.58	20	
Ethylbenzene	0.98	0.050	0.9990	0	98.6	80	120	3.54	20	
Xylenes, Total	3.0	0.10	2.997	0	99.1	80	120	3.71	20	
Surr: 4-Bromofluorobenzene	1.1		0.9990		112	70	130	0	0	

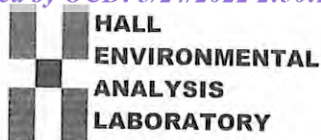
Sample ID: mb-61317	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 61317	RunNo: 79857								
Prep Date: 7/14/2021	Analysis Date: 7/16/2021	SeqNo: 2809931 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1.000		99.8	70	130			

Sample ID: LCS-61317	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 61317	RunNo: 79857								
Prep Date: 7/14/2021	Analysis Date: 7/16/2021	SeqNo: 2809932 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1.000		103	70	130			

Qualifiers:

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

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit



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

Sample Log-In Check List

Client Name: GHD Midland

Work Order Number: 2107639

RcptNo: 1

Received By: Cheyenne Cason 7/14/2021 7:30:00 AM

Completed By: Sean Livingston 7/14/2021 8:24:20 AM

Reviewed By: JR 7/14/21

Chad
Sean Livingston

Chain of Custody

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

Log In

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

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by: SPA 7.14.21

Special Handling (if applicable)

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

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.9	Good				
2	2.1	Good				



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

December 28, 2021

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

RE: Nix Curtix Blt Battery

OrderNo.: 2112A34

Dear Becky Haskell:

Hall Environmental Analysis Laboratory received 18 sample(s) on 12/16/2021 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2112A34

Date Reported: 12/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-1- 5'

Project: Nix Curtix Blt Battery

Collection Date: 12/14/2021 2:10:00 PM

Lab ID: 2112A34-001

Matrix: SOIL

Received Date: 12/16/2021 7:52:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	890	59		mg/Kg	20	12/22/2021 1:55:09 PM	64682
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	5900	95		mg/Kg	10	12/20/2021 10:45:42 AM	64609
Motor Oil Range Organics (MRO)	2700	470		mg/Kg	10	12/20/2021 10:45:42 AM	64609
Surr: DNOP	0	70-130	S	%Rec	10	12/20/2021 10:45:42 AM	64609
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	160	25		mg/Kg	5	12/18/2021 12:47:00 AM	64571
Surr: BFB	214	70-130	S	%Rec	5	12/18/2021 12:47:00 AM	64571
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.12		mg/Kg	5	12/18/2021 12:47:00 AM	64571
Toluene	ND	0.25		mg/Kg	5	12/18/2021 12:47:00 AM	64571
Ethylbenzene	1.5	0.25		mg/Kg	5	12/18/2021 12:47:00 AM	64571
Xylenes, Total	3.4	0.50		mg/Kg	5	12/18/2021 12:47:00 AM	64571
Surr: 4-Bromofluorobenzene	146	70-130	S	%Rec	5	12/18/2021 12:47:00 AM	64571

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

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

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Analytical Report

Lab Order 2112A34

Date Reported: 12/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-1- 10'

Project: Nix Curtix Blt Battery

Collection Date: 12/14/2021 2:15:00 PM

Lab ID: 2112A34-002

Matrix: SOIL

Received Date: 12/16/2021 7:52:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	610	60		mg/Kg	20	12/22/2021 2:32:11 PM	64682
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	2900	100		mg/Kg	10	12/20/2021 11:10:26 AM	64609
Motor Oil Range Organics (MRO)	950	510		mg/Kg	10	12/20/2021 11:10:26 AM	64609
Surr: DNOP	0	70-130	S	%Rec	10	12/20/2021 11:10:26 AM	64609
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	180	24		mg/Kg	5	12/18/2021 1:06:00 AM	64571
Surr: BFB	234	70-130	S	%Rec	5	12/18/2021 1:06:00 AM	64571
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.12		mg/Kg	5	12/18/2021 1:06:00 AM	64571
Toluene	ND	0.24		mg/Kg	5	12/18/2021 1:06:00 AM	64571
Ethylbenzene	2.5	0.24		mg/Kg	5	12/18/2021 1:06:00 AM	64571
Xylenes, Total	4.0	0.48		mg/Kg	5	12/18/2021 1:06:00 AM	64571
Surr: 4-Bromofluorobenzene	150	70-130	S	%Rec	5	12/18/2021 1:06:00 AM	64571

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

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

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Analytical Report

Lab Order 2112A34

Date Reported: 12/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-1- 15'

Project: Nix Curtix Blt Battery

Collection Date: 12/14/2021 2:20:00 PM

Lab ID: 2112A34-003

Matrix: SOIL

Received Date: 12/16/2021 7:52:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	640	60		mg/Kg	20	12/22/2021 2:44:32 PM	64682
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	350	9.8		mg/Kg	1	12/20/2021 11:34:10 AM	64609
Motor Oil Range Organics (MRO)	130	49		mg/Kg	1	12/20/2021 11:34:10 AM	64609
Surr: DNOP	84.5	70-130		%Rec	1	12/20/2021 11:34:10 AM	64609
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	170	24		mg/Kg	5	12/18/2021 1:45:00 AM	64571
Surr: BFB	232	70-130	S	%Rec	5	12/18/2021 1:45:00 AM	64571
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.12		mg/Kg	5	12/18/2021 1:45:00 AM	64571
Toluene	ND	0.24		mg/Kg	5	12/18/2021 1:45:00 AM	64571
Ethylbenzene	2.1	0.24		mg/Kg	5	12/18/2021 1:45:00 AM	64571
Xylenes, Total	2.0	0.47		mg/Kg	5	12/18/2021 1:45:00 AM	64571
Surr: 4-Bromofluorobenzene	142	70-130	S	%Rec	5	12/18/2021 1:45:00 AM	64571

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

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

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Analytical Report

Lab Order 2112A34

Date Reported: 12/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-1- 20'

Project: Nix Curtix Blt Battery

Collection Date: 12/14/2021 2:25:00 PM

Lab ID: 2112A34-004

Matrix: SOIL

Received Date: 12/16/2021 7:52:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1100	60		mg/Kg	20	12/22/2021 2:56:53 PM	64682
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	1600	99		mg/Kg	10	12/22/2021 12:59:22 PM	64611
Motor Oil Range Organics (MRO)	1000	500		mg/Kg	10	12/22/2021 12:59:22 PM	64611
Surr: DNOP	0	70-130	S	%Rec	10	12/22/2021 12:59:22 PM	64611
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	100	24		mg/Kg	5	12/18/2021 2:24:00 AM	64571
Surr: BFB	278	70-130	S	%Rec	5	12/18/2021 2:24:00 AM	64571
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.12		mg/Kg	5	12/18/2021 2:24:00 AM	64571
Toluene	ND	0.24		mg/Kg	5	12/18/2021 2:24:00 AM	64571
Ethylbenzene	1.3	0.24		mg/Kg	5	12/18/2021 2:24:00 AM	64571
Xylenes, Total	0.77	0.48		mg/Kg	5	12/18/2021 2:24:00 AM	64571
Surr: 4-Bromofluorobenzene	125	70-130		%Rec	5	12/18/2021 2:24:00 AM	64571

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

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

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Analytical Report

Lab Order 2112A34

Date Reported: 12/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-1- 25'

Project: Nix Curtix Blt Battery

Collection Date: 12/14/2021 2:30:00 PM

Lab ID: 2112A34-005

Matrix: SOIL

Received Date: 12/16/2021 7:52:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	2400	150		mg/Kg	50	12/23/2021 3:41:00 PM	64682
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	240	9.3		mg/Kg	1	12/22/2021 1:24:01 PM	64611
Motor Oil Range Organics (MRO)	110	46		mg/Kg	1	12/22/2021 1:24:01 PM	64611
Surr: DNOP	72.8	70-130		%Rec	1	12/22/2021 1:24:01 PM	64611
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	80	24		mg/Kg	5	12/18/2021 9:36:00 AM	64595
Surr: BFB	267	70-130	S	%Rec	5	12/18/2021 9:36:00 AM	64595
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.12		mg/Kg	5	12/18/2021 9:36:00 AM	64595
Toluene	ND	0.24		mg/Kg	5	12/18/2021 9:36:00 AM	64595
Ethylbenzene	0.94	0.24		mg/Kg	5	12/18/2021 9:36:00 AM	64595
Xylenes, Total	0.58	0.47		mg/Kg	5	12/18/2021 9:36:00 AM	64595
Surr: 4-Bromofluorobenzene	125	70-130		%Rec	5	12/18/2021 9:36:00 AM	64595

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

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

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Analytical Report

Lab Order 2112A34

Date Reported: 12/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-1- 30'

Project: Nix Curtix Blt Battery

Collection Date: 12/14/2021 2:35:00 PM

Lab ID: 2112A34-006

Matrix: SOIL

Received Date: 12/16/2021 7:52:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	3600	150		mg/Kg	50	12/23/2021 3:53:25 PM	64682
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	670	42		mg/Kg	5	12/23/2021 9:31:19 AM	64611
Motor Oil Range Organics (MRO)	490	210		mg/Kg	5	12/23/2021 9:31:19 AM	64611
Surr: DNOP	121	70-130		%Rec	5	12/23/2021 9:31:19 AM	64611
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	29	24		mg/Kg	5	12/18/2021 10:34:00 AM	64595
Surr: BFB	167	70-130	S	%Rec	5	12/18/2021 10:34:00 AM	64595
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.12		mg/Kg	5	12/18/2021 10:34:00 AM	64595
Toluene	ND	0.24		mg/Kg	5	12/18/2021 10:34:00 AM	64595
Ethylbenzene	0.26	0.24		mg/Kg	5	12/18/2021 10:34:00 AM	64595
Xylenes, Total	ND	0.49		mg/Kg	5	12/18/2021 10:34:00 AM	64595
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	5	12/18/2021 10:34:00 AM	64595

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

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

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Analytical Report

Lab Order 2112A34

Date Reported: 12/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-1- 35'

Project: Nix Curtix Blt Battery

Collection Date: 12/14/2021 2:55:00 PM

Lab ID: 2112A34-007

Matrix: SOIL

Received Date: 12/16/2021 7:52:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	4100	150		mg/Kg	50	12/23/2021 4:05:50 PM	64682
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	890	20		mg/Kg	2	12/22/2021 2:12:33 PM	64611
Motor Oil Range Organics (MRO)	430	99		mg/Kg	2	12/22/2021 2:12:33 PM	64611
Surr: DNOP	81.0	70-130		%Rec	2	12/22/2021 2:12:33 PM	64611
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	220	24		mg/Kg	5	12/18/2021 11:33:00 AM	64595
Surr: BFB	271	70-130	S	%Rec	5	12/18/2021 11:33:00 AM	64595
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.12		mg/Kg	5	12/18/2021 11:33:00 AM	64595
Toluene	ND	0.24		mg/Kg	5	12/18/2021 11:33:00 AM	64595
Ethylbenzene	3.2	0.24		mg/Kg	5	12/18/2021 11:33:00 AM	64595
Xylenes, Total	3.0	0.47		mg/Kg	5	12/18/2021 11:33:00 AM	64595
Surr: 4-Bromofluorobenzene	161	70-130	S	%Rec	5	12/18/2021 11:33:00 AM	64595

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

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

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Analytical Report

Lab Order 2112A34

Date Reported: 12/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-1- 40'

Project: Nix Curtix Blt Battery

Collection Date: 12/14/2021 3:05:00 PM

Lab ID: 2112A34-008

Matrix: SOIL

Received Date: 12/16/2021 7:52:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	5100	150		mg/Kg	50	12/23/2021 4:18:14 PM	64682
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	840	45		mg/Kg	5	12/22/2021 2:36:52 PM	64611
Motor Oil Range Organics (MRO)	480	220		mg/Kg	5	12/22/2021 2:36:52 PM	64611
Surr: DNOP	71.2	70-130		%Rec	5	12/22/2021 2:36:52 PM	64611
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	82	25		mg/Kg	5	12/18/2021 11:52:00 AM	64595
Surr: BFB	262	70-130	S	%Rec	5	12/18/2021 11:52:00 AM	64595
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.12		mg/Kg	5	12/18/2021 11:52:00 AM	64595
Toluene	ND	0.25		mg/Kg	5	12/18/2021 11:52:00 AM	64595
Ethylbenzene	0.94	0.25		mg/Kg	5	12/18/2021 11:52:00 AM	64595
Xylenes, Total	0.92	0.50		mg/Kg	5	12/18/2021 11:52:00 AM	64595
Surr: 4-Bromofluorobenzene	123	70-130		%Rec	5	12/18/2021 11:52:00 AM	64595

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

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

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Analytical Report

Lab Order 2112A34

Date Reported: 12/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-1- 45'

Project: Nix Curtix Blt Battery

Collection Date: 12/14/2021 3:15:00 PM

Lab ID: 2112A34-009

Matrix: SOIL

Received Date: 12/16/2021 7:52:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	6400	300		mg/Kg	100	12/23/2021 4:30:38 PM	64682
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	12/21/2021 9:23:19 PM	64611
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/21/2021 9:23:19 PM	64611
Surr: DNOP	98.0	70-130		%Rec	1	12/21/2021 9:23:19 PM	64611
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	23		mg/Kg	5	12/18/2021 12:12:00 PM	64595
Surr: BFB	103	70-130		%Rec	5	12/18/2021 12:12:00 PM	64595
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.12		mg/Kg	5	12/18/2021 12:12:00 PM	64595
Toluene	ND	0.23		mg/Kg	5	12/18/2021 12:12:00 PM	64595
Ethylbenzene	ND	0.23		mg/Kg	5	12/18/2021 12:12:00 PM	64595
Xylenes, Total	ND	0.47		mg/Kg	5	12/18/2021 12:12:00 PM	64595
Surr: 4-Bromofluorobenzene	91.2	70-130		%Rec	5	12/18/2021 12:12:00 PM	64595

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

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

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Analytical Report

Lab Order 2112A34

Date Reported: 12/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-1- 50'

Project: Nix Curtix Blt Battery

Collection Date: 12/14/2021 3:30:00 PM

Lab ID: 2112A34-010

Matrix: SOIL

Received Date: 12/16/2021 7:52:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	4700	300		mg/Kg	100	12/23/2021 4:43:03 PM	64682
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	120	9.7		mg/Kg	1	12/21/2021 9:34:01 PM	64611
Motor Oil Range Organics (MRO)	76	48		mg/Kg	1	12/21/2021 9:34:01 PM	64611
Surr: DNOP	102	70-130		%Rec	1	12/21/2021 9:34:01 PM	64611
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	12/18/2021 12:31:00 PM	64595
Surr: BFB	107	70-130		%Rec	5	12/18/2021 12:31:00 PM	64595
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.12		mg/Kg	5	12/18/2021 12:31:00 PM	64595
Toluene	ND	0.24		mg/Kg	5	12/18/2021 12:31:00 PM	64595
Ethylbenzene	ND	0.24		mg/Kg	5	12/18/2021 12:31:00 PM	64595
Xylenes, Total	ND	0.48		mg/Kg	5	12/18/2021 12:31:00 PM	64595
Surr: 4-Bromofluorobenzene	94.0	70-130		%Rec	5	12/18/2021 12:31:00 PM	64595

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

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

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Analytical Report

Lab Order 2112A34

Date Reported: 12/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-1- 60'

Project: Nix Curtix Blt Battery

Collection Date: 12/14/2021 3:40:00 PM

Lab ID: 2112A34-011

Matrix: SOIL

Received Date: 12/16/2021 7:52:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1700	60		mg/Kg	20	12/22/2021 6:39:10 PM	64701
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	20	9.2		mg/Kg	1	12/21/2021 9:44:41 PM	64611
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	12/21/2021 9:44:41 PM	64611
Surr: DNOP	121	70-130		%Rec	1	12/21/2021 9:44:41 PM	64611
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/18/2021 12:51:00 PM	64595
Surr: BFB	93.3	70-130		%Rec	1	12/18/2021 12:51:00 PM	64595
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	12/18/2021 12:51:00 PM	64595
Toluene	ND	0.049		mg/Kg	1	12/18/2021 12:51:00 PM	64595
Ethylbenzene	ND	0.049		mg/Kg	1	12/18/2021 12:51:00 PM	64595
Xylenes, Total	ND	0.097		mg/Kg	1	12/18/2021 12:51:00 PM	64595
Surr: 4-Bromofluorobenzene	83.5	70-130		%Rec	1	12/18/2021 12:51:00 PM	64595

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

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

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Analytical Report

Lab Order 2112A34

Date Reported: 12/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-1- 70'

Project: Nix Curtix Blt Battery

Collection Date: 12/14/2021 4:00:00 PM

Lab ID: 2112A34-012

Matrix: SOIL

Received Date: 12/16/2021 7:52:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	2200	61		mg/Kg	20	12/22/2021 6:51:31 PM	64701
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	12/21/2021 9:55:19 PM	64611
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/21/2021 9:55:19 PM	64611
Surr: DNOP	108	70-130		%Rec	1	12/21/2021 9:55:19 PM	64611
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/18/2021 1:10:00 PM	64595
Surr: BFB	91.5	70-130		%Rec	1	12/18/2021 1:10:00 PM	64595
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	12/18/2021 1:10:00 PM	64595
Toluene	ND	0.049		mg/Kg	1	12/18/2021 1:10:00 PM	64595
Ethylbenzene	ND	0.049		mg/Kg	1	12/18/2021 1:10:00 PM	64595
Xylenes, Total	ND	0.098		mg/Kg	1	12/18/2021 1:10:00 PM	64595
Surr: 4-Bromofluorobenzene	81.6	70-130		%Rec	1	12/18/2021 1:10:00 PM	64595

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

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

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Analytical Report

Lab Order 2112A34

Date Reported: 12/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-1- 80'

Project: Nix Curtix Blt Battery

Collection Date: 12/14/2021 4:20:00 PM

Lab ID: 2112A34-013

Matrix: SOIL

Received Date: 12/16/2021 7:52:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1500	60		mg/Kg	20	12/22/2021 7:03:52 PM	64701
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	12/21/2021 10:05:56 PM	64611
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	12/21/2021 10:05:56 PM	64611
Surr: DNOP	102	70-130		%Rec	1	12/21/2021 10:05:56 PM	64611
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/18/2021 2:09:00 PM	64595
Surr: BFB	86.9	70-130		%Rec	1	12/18/2021 2:09:00 PM	64595
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	12/18/2021 2:09:00 PM	64595
Toluene	ND	0.048		mg/Kg	1	12/18/2021 2:09:00 PM	64595
Ethylbenzene	ND	0.048		mg/Kg	1	12/18/2021 2:09:00 PM	64595
Xylenes, Total	ND	0.096		mg/Kg	1	12/18/2021 2:09:00 PM	64595
Surr: 4-Bromofluorobenzene	79.9	70-130		%Rec	1	12/18/2021 2:09:00 PM	64595

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

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

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Analytical Report

Lab Order 2112A34

Date Reported: 12/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-1- 90'

Project: Nix Curtix Blt Battery

Collection Date: 12/14/2021 4:45:00 PM

Lab ID: 2112A34-014

Matrix: SOIL

Received Date: 12/16/2021 7:52:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1600	60		mg/Kg	20	12/22/2021 7:16:12 PM	64701
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	12/21/2021 10:16:33 PM	64611
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/21/2021 10:16:33 PM	64611
Surr: DNOP	121	70-130		%Rec	1	12/21/2021 10:16:33 PM	64611
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/18/2021 2:29:00 PM	64595
Surr: BFB	87.0	70-130		%Rec	1	12/18/2021 2:29:00 PM	64595
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	12/18/2021 2:29:00 PM	64595
Toluene	ND	0.048		mg/Kg	1	12/18/2021 2:29:00 PM	64595
Ethylbenzene	ND	0.048		mg/Kg	1	12/18/2021 2:29:00 PM	64595
Xylenes, Total	ND	0.096		mg/Kg	1	12/18/2021 2:29:00 PM	64595
Surr: 4-Bromofluorobenzene	79.3	70-130		%Rec	1	12/18/2021 2:29:00 PM	64595

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

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

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Analytical Report

Lab Order 2112A34

Date Reported: 12/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-1- 100'

Project: Nix Curtix Blt Battery

Collection Date: 12/15/2021 8:00:00 AM

Lab ID: 2112A34-015

Matrix: SOIL

Received Date: 12/16/2021 7:52:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1500	60		mg/Kg	20	12/22/2021 7:28:33 PM	64701
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/21/2021 10:27:09 PM	64611
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/21/2021 10:27:09 PM	64611
Surr: DNOP	95.5	70-130		%Rec	1	12/21/2021 10:27:09 PM	64611
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/18/2021 2:48:00 PM	64595
Surr: BFB	90.4	70-130		%Rec	1	12/18/2021 2:48:00 PM	64595
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	12/18/2021 2:48:00 PM	64595
Toluene	ND	0.048		mg/Kg	1	12/18/2021 2:48:00 PM	64595
Ethylbenzene	ND	0.048		mg/Kg	1	12/18/2021 2:48:00 PM	64595
Xylenes, Total	ND	0.097		mg/Kg	1	12/18/2021 2:48:00 PM	64595
Surr: 4-Bromofluorobenzene	80.1	70-130		%Rec	1	12/18/2021 2:48:00 PM	64595

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

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

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Analytical Report

Lab Order 2112A34

Date Reported: 12/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-1- 110'

Project: Nix Curtix Blt Battery

Collection Date: 12/15/2021 8:30:00 AM

Lab ID: 2112A34-016

Matrix: SOIL

Received Date: 12/16/2021 7:52:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	880	60		mg/Kg	20	12/22/2021 7:40:54 PM	64701
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	12/21/2021 10:37:43 PM	64611
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/21/2021 10:37:43 PM	64611
Surr: DNOP	100	70-130		%Rec	1	12/21/2021 10:37:43 PM	64611
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/18/2021 3:08:00 PM	64595
Surr: BFB	89.7	70-130		%Rec	1	12/18/2021 3:08:00 PM	64595
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	12/18/2021 3:08:00 PM	64595
Toluene	ND	0.048		mg/Kg	1	12/18/2021 3:08:00 PM	64595
Ethylbenzene	ND	0.048		mg/Kg	1	12/18/2021 3:08:00 PM	64595
Xylenes, Total	ND	0.095		mg/Kg	1	12/18/2021 3:08:00 PM	64595
Surr: 4-Bromofluorobenzene	80.2	70-130		%Rec	1	12/18/2021 3:08:00 PM	64595

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

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

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Analytical Report

Lab Order 2112A34

Date Reported: 12/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-1- 120'

Project: Nix Curtix Blt Battery

Collection Date: 12/15/2021 9:05:00 AM

Lab ID: 2112A34-017

Matrix: SOIL

Received Date: 12/16/2021 7:52:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	280	60		mg/Kg	20	12/22/2021 7:53:15 PM	64701
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	12/21/2021 10:48:17 PM	64611
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	12/21/2021 10:48:17 PM	64611
Surr: DNOP	100	70-130		%Rec	1	12/21/2021 10:48:17 PM	64611
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/18/2021 3:28:00 PM	64595
Surr: BFB	90.2	70-130		%Rec	1	12/18/2021 3:28:00 PM	64595
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	12/18/2021 3:28:00 PM	64595
Toluene	ND	0.047		mg/Kg	1	12/18/2021 3:28:00 PM	64595
Ethylbenzene	ND	0.047		mg/Kg	1	12/18/2021 3:28:00 PM	64595
Xylenes, Total	ND	0.094		mg/Kg	1	12/18/2021 3:28:00 PM	64595
Surr: 4-Bromofluorobenzene	81.4	70-130		%Rec	1	12/18/2021 3:28:00 PM	64595

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

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

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Analytical Report

Lab Order 2112A34

Date Reported: 12/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-1- 125'

Project: Nix Curtix Blt Battery

Collection Date: 12/15/2021 9:55:00 AM

Lab ID: 2112A34-018

Matrix: SOIL

Received Date: 12/16/2021 7:52:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	110	59		mg/Kg	20	12/22/2021 8:30:20 PM	64701
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	12/21/2021 10:58:50 PM	64611
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	12/21/2021 10:58:50 PM	64611
Surr: DNOP	98.2	70-130		%Rec	1	12/21/2021 10:58:50 PM	64611
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/18/2021 3:47:00 PM	64595
Surr: BFB	92.9	70-130		%Rec	1	12/18/2021 3:47:00 PM	64595
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	12/18/2021 3:47:00 PM	64595
Toluene	ND	0.048		mg/Kg	1	12/18/2021 3:47:00 PM	64595
Ethylbenzene	ND	0.048		mg/Kg	1	12/18/2021 3:47:00 PM	64595
Xylenes, Total	ND	0.095		mg/Kg	1	12/18/2021 3:47:00 PM	64595
Surr: 4-Bromofluorobenzene	83.7	70-130		%Rec	1	12/18/2021 3:47:00 PM	64595

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

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

Page 18 of 24

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

WO#: 2112A34

28-Dec-21

Client: GHD Midland**Project:** Nix Curtix Blt Battery

Sample ID: MB-64682	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 64682	RunNo: 84755								
Prep Date: 12/22/2021	Analysis Date: 12/22/2021	SeqNo: 2980609		Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-64682	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 64682	RunNo: 84755								
Prep Date: 12/22/2021	Analysis Date: 12/22/2021	SeqNo: 2980610		Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.6	90	110			

Sample ID: MB-64701	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 64701	RunNo: 84755								
Prep Date: 12/22/2021	Analysis Date: 12/22/2021	SeqNo: 2980646		Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-64701	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 64701	RunNo: 84755								
Prep Date: 12/22/2021	Analysis Date: 12/22/2021	SeqNo: 2980647		Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.9	90	110			

Qualifiers:

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

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

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

WO#: 2112A34

28-Dec-21

Client: GHD Midland**Project:** Nix Curtix Blt Battery

Sample ID: MB-64609	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 64609	RunNo: 84660								
Prep Date: 12/20/2021	Analysis Date: 12/20/2021	SeqNo: 2976310 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.4		10.00		84.4	70	130			

Sample ID: LCS-64609	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 64609	RunNo: 84660								
Prep Date: 12/20/2021	Analysis Date: 12/20/2021	SeqNo: 2976311 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	55	10	50.00	0	110	68.9	135			
Surr: DNOP	4.2		5.000		83.9	70	130			

Sample ID: LCS-64611	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 64611	RunNo: 84681								
Prep Date: 12/20/2021	Analysis Date: 12/21/2021	SeqNo: 2979123 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	55	10	50.00	0	110	68.9	135			
Surr: DNOP	4.6		5.000		92.1	70	130			

Sample ID: MB-64611	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 64611	RunNo: 84681								
Prep Date: 12/20/2021	Analysis Date: 12/21/2021	SeqNo: 2979126 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		102	70	130			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2112A34

28-Dec-21

Client: GHD Midland

Project: Nix Curtix Blt Battery

Sample ID: mb-64571	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 64571			RunNo: 84642						
Prep Date: 12/16/2021	Analysis Date: 12/17/2021			SeqNo: 2975678		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	930		1000		92.6	70	130			

Sample ID: lcs-64571	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 64571			RunNo: 84642						
Prep Date: 12/16/2021	Analysis Date: 12/17/2021			SeqNo: 2975680		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	99.7	78.6	131			
Surr: BFB	1000		1000		101	70	130			

Sample ID: mb-64595	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 64595			RunNo: 84644						
Prep Date: 12/17/2021	Analysis Date: 12/18/2021			SeqNo: 2975896		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	960		1000		96.3	70	130			

Sample ID: lcs-64595	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 64595			RunNo: 84644						
Prep Date: 12/17/2021	Analysis Date: 12/18/2021			SeqNo: 2975898		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	107	78.6	131			
Surr: BFB	1200		1000		119	70	130			

Sample ID: 2112A34-005ams	SampType: MS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: SB-1- 25'	Batch ID: 64595			RunNo: 84678						
Prep Date: 12/17/2021	Analysis Date: 12/20/2021			SeqNo: 2977332		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	71	24	23.63	79.63	-37.4	61.3	114			S
Surr: BFB	9200		4726		195	70	130			S

Sample ID: 2112A34-005amsd	SampType: MSD			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: SB-1- 25'	Batch ID: 64595			RunNo: 84678						
Prep Date: 12/17/2021	Analysis Date: 12/20/2021			SeqNo: 2977333		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

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

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2112A34

28-Dec-21

Client: GHD Midland

Project: Nix Curtix Blt Battery

Sample ID: 2112A34-005amsd		SampType: MSD		TestCode: EPA Method 8015D: Gasoline Range						
Client ID: SB-1- 25'		Batch ID: 64595		RunNo: 84678						
Prep Date: 12/17/2021		Analysis Date: 12/20/2021		SeqNo: 2977333		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	80	24	23.88	79.63	1.51	61.3	114	12.2	20	S
Surr: BFB	9900		4776		208	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 Quantitative Limit

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

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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

WO#: 2112A34

28-Dec-21

Client: GHD Midland**Project:** Nix Curtix Blt Battery

Sample ID: mb-64571	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 64571	RunNo: 84642								
Prep Date: 12/16/2021	Analysis Date: 12/17/2021	SeqNo: 2975726 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.81		1.000		81.2	70	130			

Sample ID: lcs-64571	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 64571	RunNo: 84642								
Prep Date: 12/16/2021	Analysis Date: 12/17/2021	SeqNo: 2975728 Units: mg/Kg								
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	0.88	0.050	1.000	0	88.0	80	120			
Ethylbenzene	0.88	0.050	1.000	0	87.5	80	120			
Xylenes, Total	2.6	0.10	3.000	0	85.5	80	120			
Surr: 4-Bromofluorobenzene	0.81		1.000		80.9	70	130			

Sample ID: mb-64595	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 64595	RunNo: 84644								
Prep Date: 12/17/2021	Analysis Date: 12/18/2021	SeqNo: 2975944 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.88		1.000		87.5	70	130			

Sample ID: lcs-64595	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 64595	RunNo: 84644								
Prep Date: 12/17/2021	Analysis Date: 12/18/2021	SeqNo: 2975946 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.025	1.000	0	92.0	80	120			
Toluene	0.92	0.050	1.000	0	92.0	80	120			
Ethylbenzene	0.93	0.050	1.000	0	93.1	80	120			
Xylenes, Total	2.7	0.10	3.000	0	91.6	80	120			
Surr: 4-Bromofluorobenzene	0.97		1.000		96.9	70	130			

Qualifiers:

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

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

WO#: 2112A34

28-Dec-21

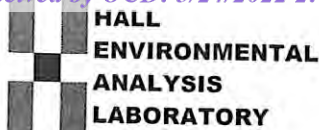
Client: GHD Midland**Project:** Nix Curtix Blt Battery

Sample ID: 2112A34-006ams	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: SB-1- 30'	Batch ID: 64595	RunNo: 84644								
Prep Date: 12/17/2021	Analysis Date: 12/18/2021	SeqNo: 2975948	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.2	0.12	0.9533	0	124	80	120			S
Toluene	1.2	0.24	0.9533	0	128	80	120			S
Ethylbenzene	1.5	0.24	0.9533	0.2590	130	80	120			S
Xylenes, Total	3.9	0.48	2.860	0.1709	130	80	120			S
Surr: 4-Bromofluorobenzene	4.8		4.766		101	70	130			

Sample ID: 2112A34-006amsd	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: SB-1- 30'	Batch ID: 64595	RunNo: 84644								
Prep Date: 12/17/2021	Analysis Date: 12/18/2021	SeqNo: 2975950	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.12	0.9653	0	114	80	120	7.60	20	
Toluene	1.2	0.24	0.9653	0	120	80	120	5.70	20	
Ethylbenzene	1.4	0.24	0.9653	0.2590	120	80	120	6.04	20	
Xylenes, Total	3.7	0.48	2.896	0.1709	121	80	120	5.60	20	S
Surr: 4-Bromofluorobenzene	5.0		4.826		103	70	130	0	0	

Qualifiers:

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



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

Sample Log-In Check List

Client Name: GHD Midland

Work Order Number: 2112A34

RcptNo: 1

Received By: Cheyenne Cason

12/16/2021 7:52:00 AM

CC

Completed By: Desiree Dominguez

12/16/2021 10:02:01 AM

DD

Reviewed By:

*KPH 12/16/21*Chain of Custody

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

Log In

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

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by:

*JR 12/16/21*Special Handling (if applicable)

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

Person Notified:

Date:

By Whom:

Via:

☐ eMail☐ Phone☐ Fax☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. Cooler Information

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

Chain-of-Custody Record

Client: GHFMailing Address: 324 W. Main St Suite 108Artesia NMPhone #: 505-377-4248email or Fax#: Becky.Haskell@GHD.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)Accreditation: ☐ Az Compliance☐ NELAC ☐ Other☐ EDD (Type)

Turn-Around Time:

☐ Standard ☒ Rush

Project Name:

Nix Curtis Bt Battery

Project #:

11229322

Project Manager:

Becky Haskell

Sampler:

Lee MOn Ice: ☒ Yes ☐ No# of Coolers: 1Cooler Temp (including CF): (8-0.1 = 1.7 °C)

Container Type and #

1

Preservative Type

HEAL No.
Z112A34

Date

Time

Matrix

Sample Name

SB-1-80' CMSB-1-80'SB-1-90'SB-1-100'SB-1-110'SB-1-120'SB-1-125'SB-1-125'SB-1-125'SB-1-125'SB-1-125'SB-1-125'SB-1-125'SB-1-125'SB-1-125'SB-1-125'SB-1-125'SB-1-125'SB-1-125'SB-1-125'SB-1-125'SB-1-125'SB-1-125'

Relinquished by:

Lee M

Date:

12/15/11

Time:

1145

Relinquished by:

Lee M

Date:

12/15/11

Time:

1900

Received by:

Lee M

Via:

car

Date

12/15/11

Time

1145

Received by:

Lee M

Via:

car

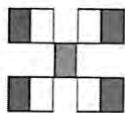
Date

12/16/11

Time

0752

Remarks:

HALL ENVIRONMENTAL
ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

TPH:8015D(GRO / DRO / MRO) ☒

8081 Pesticides/8082 PCBs ☒

EDB (Method 504.1) ☒

PAHs by 8310 or 8270SIMS ☒

RCRA 8 Metals ☒

Cl, F, Br, NO₃, NO₂, PO₄, SO₄ ☒

8260 (VOA) ☒

8270 (Semi-VOA) ☒

Total Coliform (Present/Absent) ☒

BTEX / MTBE / TMB's (8021) ☒

Chloride E 300 ☒

Chloride E 300 ☒



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

January 04, 2022

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

RE: Nix Curtix BH Battery

OrderNo.: 2112B74

Dear Becky Haskell:

Hall Environmental Analysis Laboratory received 15 sample(s) on 12/18/2021 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2112B74

Date Reported: 1/4/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-2-5'

Project: Nix Curtix BH Battery

Collection Date: 12/16/2021 7:30:00 AM

Lab ID: 2112B74-001

Matrix: SOIL

Received Date: 12/18/2021 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	2000	60		mg/Kg	20	12/23/2021 9:03:07 PM	64723
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	220	9.9		mg/Kg	1	12/22/2021 11:59:24 AM	64634
Motor Oil Range Organics (MRO)	290	49		mg/Kg	1	12/22/2021 11:59:24 AM	64634
Surr: DNOP	90.2	70-130		%Rec	1	12/22/2021 11:59:24 AM	64634
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	12/21/2021 3:53:00 PM	64627
Surr: BFB	91.1	70-130		%Rec	5	12/21/2021 3:53:00 PM	64627
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.12		mg/Kg	5	12/21/2021 3:53:00 PM	64627
Toluene	ND	0.24		mg/Kg	5	12/21/2021 3:53:00 PM	64627
Ethylbenzene	ND	0.24		mg/Kg	5	12/21/2021 3:53:00 PM	64627
Xylenes, Total	ND	0.47		mg/Kg	5	12/21/2021 3:53:00 PM	64627
Surr: 4-Bromofluorobenzene	85.7	70-130		%Rec	5	12/21/2021 3:53:00 PM	64627

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

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

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Analytical Report

Lab Order 2112B74

Date Reported: 1/4/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-2-10'

Project: Nix Curtix BH Battery

Collection Date: 12/16/2021 7:35:00 AM

Lab ID: 2112B74-002

Matrix: SOIL

Received Date: 12/18/2021 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	3500	150		mg/Kg	50	1/3/2022 1:58:37 PM	64723
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	120	9.6		mg/Kg	1	12/22/2021 12:36:17 PM	64634
Motor Oil Range Organics (MRO)	190	48		mg/Kg	1	12/22/2021 12:36:17 PM	64634
Surr: DNOP	91.1	70-130		%Rec	1	12/22/2021 12:36:17 PM	64634
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	12/21/2021 4:13:00 PM	64627
Surr: BFB	91.7	70-130		%Rec	5	12/21/2021 4:13:00 PM	64627
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.12		mg/Kg	5	12/21/2021 4:13:00 PM	64627
Toluene	ND	0.24		mg/Kg	5	12/21/2021 4:13:00 PM	64627
Ethylbenzene	ND	0.24		mg/Kg	5	12/21/2021 4:13:00 PM	64627
Xylenes, Total	ND	0.48		mg/Kg	5	12/21/2021 4:13:00 PM	64627
Surr: 4-Bromofluorobenzene	85.7	70-130		%Rec	5	12/21/2021 4:13:00 PM	64627

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

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

Analytical Report

Lab Order 2112B74

Date Reported: 1/4/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-2-15'

Project: Nix Curtix BH Battery

Collection Date: 12/16/2021 7:45:00 AM

Lab ID: 2112B74-003

Matrix: SOIL

Received Date: 12/18/2021 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	1000	60		mg/Kg	20	12/23/2021 9:52:47 PM	64723
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	12/21/2021 12:16:27 PM	64645
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/21/2021 12:16:27 PM	64645
Surr: DNOP	87.0	70-130		%Rec	1	12/21/2021 12:16:27 PM	64645
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/21/2021 6:11:00 PM	64638
Surr: BFB	85.0	70-130		%Rec	1	12/21/2021 6:11:00 PM	64638
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	12/21/2021 6:11:00 PM	64638
Toluene	ND	0.047		mg/Kg	1	12/21/2021 6:11:00 PM	64638
Ethylbenzene	ND	0.047		mg/Kg	1	12/21/2021 6:11:00 PM	64638
Xylenes, Total	ND	0.095		mg/Kg	1	12/21/2021 6:11:00 PM	64638
Surr: 4-Bromofluorobenzene	78.9	70-130		%Rec	1	12/21/2021 6:11:00 PM	64638

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

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

Analytical Report

Lab Order 2112B74

Date Reported: 1/4/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-2-20'

Project: Nix Curtix BH Battery

Collection Date: 12/16/2021 8:00:00 AM

Lab ID: 2112B74-004

Matrix: SOIL

Received Date: 12/18/2021 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	970	60		mg/Kg	20	12/23/2021 10:05:12 PM	64723
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	12/21/2021 12:53:14 PM	64645
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/21/2021 12:53:14 PM	64645
Surr: DNOP	85.6	70-130		%Rec	1	12/21/2021 12:53:14 PM	64645
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/21/2021 7:10:00 PM	64638
Surr: BFB	83.3	70-130		%Rec	1	12/21/2021 7:10:00 PM	64638
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	12/21/2021 7:10:00 PM	64638
Toluene	ND	0.050		mg/Kg	1	12/21/2021 7:10:00 PM	64638
Ethylbenzene	ND	0.050		mg/Kg	1	12/21/2021 7:10:00 PM	64638
Xylenes, Total	ND	0.10		mg/Kg	1	12/21/2021 7:10:00 PM	64638
Surr: 4-Bromofluorobenzene	76.6	70-130		%Rec	1	12/21/2021 7:10:00 PM	64638

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

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

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Analytical Report

Lab Order 2112B74

Date Reported: 1/4/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-2-25'

Project: Nix Curtix BH Battery

Collection Date: 12/16/2021 8:10:00 AM

Lab ID: 2112B74-005

Matrix: SOIL

Received Date: 12/18/2021 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	6100	300		mg/Kg	100	12/27/2021 11:01:45 PM	64723
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	12/21/2021 1:05:19 PM	64645
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	12/21/2021 1:05:19 PM	64645
Surr: DNOP	85.9	70-130		%Rec	1	12/21/2021 1:05:19 PM	64645
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/21/2021 8:09:00 PM	64638
Surr: BFB	82.3	70-130		%Rec	1	12/21/2021 8:09:00 PM	64638
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	12/21/2021 8:09:00 PM	64638
Toluene	ND	0.048		mg/Kg	1	12/21/2021 8:09:00 PM	64638
Ethylbenzene	ND	0.048		mg/Kg	1	12/21/2021 8:09:00 PM	64638
Xylenes, Total	ND	0.095		mg/Kg	1	12/21/2021 8:09:00 PM	64638
Surr: 4-Bromofluorobenzene	76.0	70-130		%Rec	1	12/21/2021 8:09:00 PM	64638

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

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

Analytical Report

Lab Order 2112B74

Date Reported: 1/4/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-2-30'

Project: Nix Curtix BH Battery

Collection Date: 12/16/2021 8:30:00 AM

Lab ID: 2112B74-006

Matrix: SOIL

Received Date: 12/18/2021 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	6100	300		mg/Kg	100	12/27/2021 11:38:58 PM	64723
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	8.8		mg/Kg	1	12/21/2021 1:17:42 PM	64645
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	12/21/2021 1:17:42 PM	64645
Surr: DNOP	89.6	70-130		%Rec	1	12/21/2021 1:17:42 PM	64645
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/21/2021 8:28:00 PM	64638
Surr: BFB	82.8	70-130		%Rec	1	12/21/2021 8:28:00 PM	64638
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	12/21/2021 8:28:00 PM	64638
Toluene	ND	0.048		mg/Kg	1	12/21/2021 8:28:00 PM	64638
Ethylbenzene	ND	0.048		mg/Kg	1	12/21/2021 8:28:00 PM	64638
Xylenes, Total	ND	0.096		mg/Kg	1	12/21/2021 8:28:00 PM	64638
Surr: 4-Bromofluorobenzene	79.0	70-130		%Rec	1	12/21/2021 8:28:00 PM	64638

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

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

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Analytical Report

Lab Order 2112B74

Date Reported: 1/4/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-2-35'

Project: Nix Curtix BH Battery

Collection Date: 12/16/2021 8:35:00 AM

Lab ID: 2112B74-007

Matrix: SOIL

Received Date: 12/18/2021 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	3700	150		mg/Kg	50	12/27/2021 11:51:22 PM	64723
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	12/21/2021 1:29:45 PM	64645
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	12/21/2021 1:29:45 PM	64645
Surr: DNOP	116	70-130		%Rec	1	12/21/2021 1:29:45 PM	64645
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/21/2021 8:48:00 PM	64638
Surr: BFB	85.2	70-130		%Rec	1	12/21/2021 8:48:00 PM	64638
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	12/21/2021 8:48:00 PM	64638
Toluene	ND	0.050		mg/Kg	1	12/21/2021 8:48:00 PM	64638
Ethylbenzene	ND	0.050		mg/Kg	1	12/21/2021 8:48:00 PM	64638
Xylenes, Total	ND	0.099		mg/Kg	1	12/21/2021 8:48:00 PM	64638
Surr: 4-Bromofluorobenzene	81.0	70-130		%Rec	1	12/21/2021 8:48:00 PM	64638

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

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

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Analytical Report

Lab Order 2112B74

Date Reported: 1/4/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-2-40'

Project: Nix Curtix BH Battery

Collection Date: 12/16/2021 8:40:00 AM

Lab ID: 2112B74-008

Matrix: SOIL

Received Date: 12/18/2021 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	3600	150		mg/Kg	50	12/28/2021 12:03:47 AM	64723
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	12/21/2021 1:42:04 PM	64645
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	12/21/2021 1:42:04 PM	64645
Surr: DNOP	103	70-130		%Rec	1	12/21/2021 1:42:04 PM	64645
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/21/2021 9:08:00 PM	64638
Surr: BFB	85.2	70-130		%Rec	1	12/21/2021 9:08:00 PM	64638
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	12/21/2021 9:08:00 PM	64638
Toluene	ND	0.049		mg/Kg	1	12/21/2021 9:08:00 PM	64638
Ethylbenzene	ND	0.049		mg/Kg	1	12/21/2021 9:08:00 PM	64638
Xylenes, Total	ND	0.099		mg/Kg	1	12/21/2021 9:08:00 PM	64638
Surr: 4-Bromofluorobenzene	79.7	70-130		%Rec	1	12/21/2021 9:08:00 PM	64638

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

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

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Analytical Report

Lab Order 2112B74

Date Reported: 1/4/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-2-45'

Project: Nix Curtix BH Battery

Collection Date: 12/16/2021 8:45:00 AM

Lab ID: 2112B74-009

Matrix: SOIL

Received Date: 12/18/2021 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	2300	150		mg/Kg	50	12/28/2021 12:16:11 AM	64723
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	12/21/2021 1:54:15 PM	64645
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	12/21/2021 1:54:15 PM	64645
Surr: DNOP	129	70-130		%Rec	1	12/21/2021 1:54:15 PM	64645
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/21/2021 9:27:00 PM	64638
Surr: BFB	82.1	70-130		%Rec	1	12/21/2021 9:27:00 PM	64638
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	12/21/2021 9:27:00 PM	64638
Toluene	ND	0.048		mg/Kg	1	12/21/2021 9:27:00 PM	64638
Ethylbenzene	ND	0.048		mg/Kg	1	12/21/2021 9:27:00 PM	64638
Xylenes, Total	ND	0.096		mg/Kg	1	12/21/2021 9:27:00 PM	64638
Surr: 4-Bromofluorobenzene	77.2	70-130		%Rec	1	12/21/2021 9:27:00 PM	64638

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

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

Analytical Report

Lab Order 2112B74

Date Reported: 1/4/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-2-50'

Project: Nix Curtix BH Battery

Collection Date: 12/16/2021 8:50:00 AM

Lab ID: 2112B74-010

Matrix: SOIL

Received Date: 12/18/2021 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	5200	300		mg/Kg	100	12/28/2021 12:28:35 AM	64723
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	12/21/2021 2:06:29 PM	64645
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	12/21/2021 2:06:29 PM	64645
Surr: DNOP	102	70-130		%Rec	1	12/21/2021 2:06:29 PM	64645
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/21/2021 9:47:00 PM	64638
Surr: BFB	85.5	70-130		%Rec	1	12/21/2021 9:47:00 PM	64638
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	12/21/2021 9:47:00 PM	64638
Toluene	ND	0.050		mg/Kg	1	12/21/2021 9:47:00 PM	64638
Ethylbenzene	ND	0.050		mg/Kg	1	12/21/2021 9:47:00 PM	64638
Xylenes, Total	ND	0.10		mg/Kg	1	12/21/2021 9:47:00 PM	64638
Surr: 4-Bromofluorobenzene	80.0	70-130		%Rec	1	12/21/2021 9:47:00 PM	64638

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

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

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Analytical Report

Lab Order 2112B74

Date Reported: 1/4/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-2-60'

Project: Nix Curtix BH Battery

Collection Date: 12/16/2021 9:05:00 AM

Lab ID: 2112B74-011

Matrix: SOIL

Received Date: 12/18/2021 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	300	60		mg/Kg	20	12/23/2021 11:56:56 PM	64723
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/21/2021 2:18:34 PM	64645
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/21/2021 2:18:34 PM	64645
Surr: DNOP	96.4	70-130		%Rec	1	12/21/2021 2:18:34 PM	64645
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/21/2021 10:07:00 PM	64638
Surr: BFB	85.5	70-130		%Rec	1	12/21/2021 10:07:00 PM	64638
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	12/21/2021 10:07:00 PM	64638
Toluene	ND	0.049		mg/Kg	1	12/21/2021 10:07:00 PM	64638
Ethylbenzene	ND	0.049		mg/Kg	1	12/21/2021 10:07:00 PM	64638
Xylenes, Total	ND	0.098		mg/Kg	1	12/21/2021 10:07:00 PM	64638
Surr: 4-Bromofluorobenzene	79.6	70-130		%Rec	1	12/21/2021 10:07:00 PM	64638

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

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

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Analytical Report

Lab Order 2112B74

Date Reported: 1/4/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-2-70'

Project: Nix Curtix BH Battery

Collection Date: 12/16/2021 9:15:00 AM

Lab ID: 2112B74-012

Matrix: SOIL

Received Date: 12/18/2021 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	1600	61		mg/Kg	20	12/27/2021 11:56:16 AM	64726
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	12/21/2021 2:30:49 PM	64645
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/21/2021 2:30:49 PM	64645
Surr: DNOP	88.5	70-130		%Rec	1	12/21/2021 2:30:49 PM	64645
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	12/21/2021 10:26:00 PM	64638
Surr: BFB	83.1	70-130		%Rec	1	12/21/2021 10:26:00 PM	64638
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.023		mg/Kg	1	12/21/2021 10:26:00 PM	64638
Toluene	ND	0.046		mg/Kg	1	12/21/2021 10:26:00 PM	64638
Ethylbenzene	ND	0.046		mg/Kg	1	12/21/2021 10:26:00 PM	64638
Xylenes, Total	ND	0.093		mg/Kg	1	12/21/2021 10:26:00 PM	64638
Surr: 4-Bromofluorobenzene	77.8	70-130		%Rec	1	12/21/2021 10:26:00 PM	64638

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

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

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Analytical Report

Lab Order 2112B74

Date Reported: 1/4/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-2-80'

Project: Nix Curtix BH Battery

Collection Date: 12/16/2021 9:55:00 AM

Lab ID: 2112B74-013

Matrix: SOIL

Received Date: 12/18/2021 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	ND	60		mg/Kg	20	12/27/2021 12:33:19 PM	64726
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	8.4		mg/Kg	1	12/21/2021 2:42:50 PM	64645
Motor Oil Range Organics (MRO)	ND	42		mg/Kg	1	12/21/2021 2:42:50 PM	64645
Surr: DNOP	87.8	70-130		%Rec	1	12/21/2021 2:42:50 PM	64645
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	12/21/2021 11:25:00 PM	64638
Surr: BFB	87.0	70-130		%Rec	1	12/21/2021 11:25:00 PM	64638
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.023		mg/Kg	1	12/21/2021 11:25:00 PM	64638
Toluene	ND	0.046		mg/Kg	1	12/21/2021 11:25:00 PM	64638
Ethylbenzene	ND	0.046		mg/Kg	1	12/21/2021 11:25:00 PM	64638
Xylenes, Total	ND	0.092		mg/Kg	1	12/21/2021 11:25:00 PM	64638
Surr: 4-Bromofluorobenzene	80.5	70-130		%Rec	1	12/21/2021 11:25:00 PM	64638

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

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

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Analytical Report

Lab Order 2112B74

Date Reported: 1/4/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-2-85'

Project: Nix Curtix BH Battery

Collection Date: 12/16/2021 10:05:00 AM

Lab ID: 2112B74-014

Matrix: SOIL

Received Date: 12/18/2021 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	ND	60		mg/Kg	20	12/27/2021 12:45:40 PM	64726
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	12/21/2021 2:54:58 PM	64645
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/21/2021 2:54:58 PM	64645
Surr: DNOP	104	70-130		%Rec	1	12/21/2021 2:54:58 PM	64645
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	12/21/2021 11:45:00 PM	64638
Surr: BFB	82.0	70-130		%Rec	1	12/21/2021 11:45:00 PM	64638
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.023		mg/Kg	1	12/21/2021 11:45:00 PM	64638
Toluene	ND	0.046		mg/Kg	1	12/21/2021 11:45:00 PM	64638
Ethylbenzene	ND	0.046		mg/Kg	1	12/21/2021 11:45:00 PM	64638
Xylenes, Total	ND	0.093		mg/Kg	1	12/21/2021 11:45:00 PM	64638
Surr: 4-Bromofluorobenzene	76.6	70-130		%Rec	1	12/21/2021 11:45:00 PM	64638

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

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

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Analytical Report

Lab Order 2112B74

Date Reported: 1/4/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-2-90'

Project: Nix Curtix BH Battery

Collection Date: 12/16/2021 10:20:00 AM

Lab ID: 2112B74-015

Matrix: SOIL

Received Date: 12/18/2021 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	ND	60		mg/Kg	20	12/27/2021 12:58:02 PM	64726
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	96	8.8		mg/Kg	1	12/21/2021 3:07:01 PM	64645
Motor Oil Range Organics (MRO)	250	44		mg/Kg	1	12/21/2021 3:07:01 PM	64645
Surr: DNOP	100	70-130		%Rec	1	12/21/2021 3:07:01 PM	64645
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/22/2021 12:04:00 AM	64638
Surr: BFB	83.3	70-130		%Rec	1	12/22/2021 12:04:00 AM	64638
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	12/22/2021 12:04:00 AM	64638
Toluene	ND	0.049		mg/Kg	1	12/22/2021 12:04:00 AM	64638
Ethylbenzene	ND	0.049		mg/Kg	1	12/22/2021 12:04:00 AM	64638
Xylenes, Total	ND	0.098		mg/Kg	1	12/22/2021 12:04:00 AM	64638
Surr: 4-Bromofluorobenzene	79.0	70-130		%Rec	1	12/22/2021 12:04:00 AM	64638

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

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

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

WO#: 2112B74

04-Jan-22

Client: GHD Midland
Project: Nix Curtix BH Battery

Sample ID: MB-64723	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 64723	RunNo: 84786								
Prep Date: 12/23/2021	Analysis Date: 12/23/2021	SeqNo: 2981962		Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-64723	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 64723	RunNo: 84786								
Prep Date: 12/23/2021	Analysis Date: 12/23/2021	SeqNo: 2981963		Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	101	90	110			

Sample ID: MB-64726	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 64726	RunNo: 84790								
Prep Date: 12/27/2021	Analysis Date: 12/27/2021	SeqNo: 2983056		Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-64726	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 64726	RunNo: 84790								
Prep Date: 12/27/2021	Analysis Date: 12/27/2021	SeqNo: 2983057		Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.3	90	110			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2112B74

04-Jan-22

Client: GHD Midland
Project: Nix Curtix BH Battery

Sample ID: MB-64634	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 64634	RunNo: 84684								
Prep Date: 12/20/2021	Analysis Date: 12/21/2021	SeqNo: 2977779 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		101	70	130			

Sample ID: LCS-64634	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 64634	RunNo: 84684								
Prep Date: 12/20/2021	Analysis Date: 12/21/2021	SeqNo: 2977780 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52	10	50.00	0	104	68.9	135			
Surr: DNOP	4.3		5.000		86.0	70	130			

Sample ID: MB-64645	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 64645	RunNo: 84683								
Prep Date: 12/20/2021	Analysis Date: 12/21/2021	SeqNo: 2979040 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.9		10.00		89.1	70	130			

Sample ID: LCS-64645	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 64645	RunNo: 84683								
Prep Date: 12/20/2021	Analysis Date: 12/21/2021	SeqNo: 2979041 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	95.2	68.9	135			
Surr: DNOP	3.8		5.000		75.7	70	130			

Sample ID: 2112B74-003AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: SB-2-15'	Batch ID: 64645	RunNo: 84683								
Prep Date: 12/20/2021	Analysis Date: 12/21/2021	SeqNo: 2979043 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	8.7	43.40	0	98.3	39.3	155			
Surr: DNOP	3.3		4.340		75.5	70	130			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2112B74

04-Jan-22

Client: GHD Midland

Project: Nix Curtix BH Battery

Sample ID: 2112B74-003AMSD		SampType: MSD		TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: SB-2-15'		Batch ID: 64645		RunNo: 84683						
Prep Date: 12/20/2021		Analysis Date: 12/21/2021		SeqNo: 2979044		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	41	8.7	43.33	0	95.6	39.3	155	2.94	23.4	
Surr: DNOP	3.3		4.333		75.9	70	130	0	0	

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

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

B Analyte detected in the associated Method Blank

E 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.**

WO#: 2112B74

04-Jan-22

Client: GHD Midland
Project: Nix Curtix BH Battery

Sample ID: mb-64627	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 64627			RunNo: 84714						
Prep Date: 12/20/2021	Analysis Date: 12/21/2021			SeqNo: 2978808		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	870		1000		87.1	70	130			

Sample ID: mb-64638	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 64638			RunNo: 84714						
Prep Date: 12/20/2021	Analysis Date: 12/21/2021			SeqNo: 2978809		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	840		1000		84.2	70	130			

Sample ID: lcs-64627	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 64627			RunNo: 84714						
Prep Date: 12/20/2021	Analysis Date: 12/21/2021			SeqNo: 2978810		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	99.9	78.6	131			
Surr: BFB	990		1000		99.0	70	130			

Sample ID: lcs-64638	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 64638			RunNo: 84714						
Prep Date: 12/20/2021	Analysis Date: 12/21/2021			SeqNo: 2978811		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	102	78.6	131			
Surr: BFB	1000		1000		99.8	70	130			

Sample ID: 2112B74-003ams	SampType: MS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: SB-2-15'	Batch ID: 64638			RunNo: 84714						
Prep Date: 12/20/2021	Analysis Date: 12/21/2021			SeqNo: 2978813		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	4.7	23.70	0	117	61.3	114			S
Surr: BFB	1000		947.9		108	70	130			

Sample ID: 2112B74-003amsd	SampType: MSD			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: SB-2-15'	Batch ID: 64638			RunNo: 84714						
Prep Date: 12/20/2021	Analysis Date: 12/21/2021			SeqNo: 2978815		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: 2112B74
04-Jan-22

Client: GHD Midland
Project: Nix Curtix BH Battery

Sample ID: 2112B74-003amsd		SampType: MSD		TestCode: EPA Method 8015D: Gasoline Range						
Client ID: SB-2-15'		Batch ID: 64638		RunNo: 84714						
Prep Date: 12/20/2021		Analysis Date: 12/21/2021		SeqNo: 2978815		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	4.7	23.74	0	111	61.3	114	4.30	20	
Surr: BFB	930		949.7		98.4	70	130	0	0	

Qualifiers:

- *

Value exceeds Maximum Contaminant Level.
- D

Sample Diluted Due to Matrix
- H

Holding times for preparation or analysis exceeded
- ND

Not Detected at the Reporting Limit
- PQL

Practical Quantitative Limit
- S

% Recovery outside of range due to dilution or matrix interference
- B

Analyte detected in the associated Method Blank
- E

Estimated value
- J

Analyte detected below quantitation limits
- P

Sample pH Not In Range
- RL

Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2112B74

04-Jan-22

Client: GHD Midland
Project: Nix Curtix BH Battery

Sample ID: mb-64627	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 64627	RunNo: 84714								
Prep Date: 12/20/2021	Analysis Date: 12/21/2021	SeqNo: 2978856 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.81		1.000		80.8	70	130			

Sample ID: mb-64638	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 64638	RunNo: 84714								
Prep Date: 12/20/2021	Analysis Date: 12/21/2021	SeqNo: 2978857 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.79		1.000		78.9	70	130			

Sample ID: lcs-64627	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 64627	RunNo: 84714								
Prep Date: 12/20/2021	Analysis Date: 12/21/2021	SeqNo: 2978858 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	90.6	80	120			
Toluene	0.90	0.050	1.000	0	89.6	80	120			
Ethylbenzene	0.89	0.050	1.000	0	89.4	80	120			
Xylenes, Total	2.6	0.10	3.000	0	87.4	80	120			
Surr: 4-Bromofluorobenzene	0.83		1.000		83.3	70	130			

Sample ID: lcs-64638	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 64638	RunNo: 84714								
Prep Date: 12/20/2021	Analysis Date: 12/21/2021	SeqNo: 2978859 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	91.5	80	120			
Toluene	0.90	0.050	1.000	0	90.4	80	120			
Ethylbenzene	0.90	0.050	1.000	0	89.5	80	120			
Xylenes, Total	2.6	0.10	3.000	0	87.3	80	120			
Surr: 4-Bromofluorobenzene	0.79		1.000		79.4	70	130			

Qualifiers:

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

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

WO#: 2112B74

04-Jan-22

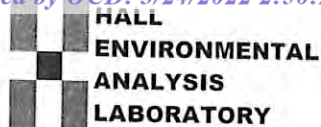
Client: GHD Midland**Project:** Nix Curtix BH Battery

Sample ID: 2112B74-004ams	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: SB-2-20'	Batch ID: 64638	RunNo: 84714								
Prep Date: 12/20/2021	Analysis Date: 12/21/2021	SeqNo: 2978861	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	92.9	80	120			
Toluene	0.93	0.050	1.000	0	92.8	80	120			
Ethylbenzene	0.93	0.050	1.000	0	93.0	80	120			
Xylenes, Total	2.7	0.10	3.000	0	90.7	80	120			
Surr: 4-Bromofluorobenzene	0.80		1.000		80.0	70	130			

Sample ID: 2112B74-004amsd	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: SB-2-20'	Batch ID: 64638	RunNo: 84714								
Prep Date: 12/20/2021	Analysis Date: 12/21/2021	SeqNo: 2978863	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	0.9970	0	100	80	120	7.33	20	
Toluene	0.99	0.050	0.9970	0	99.7	80	120	6.93	20	
Ethylbenzene	1.0	0.050	0.9970	0	100	80	120	7.27	20	
Xylenes, Total	2.9	0.10	2.991	0	98.3	80	120	7.73	20	
Surr: 4-Bromofluorobenzene	0.81		0.9970		81.4	70	130	0	0	

Qualifiers:

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



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

Sample Log-In Check List

Client Name: GHD Midland

Work Order Number: 2112B74

RcptNo: 1

Received By: Isaiah Ortiz

12/18/2021 10:00:00 AM

Completed By: Cheyenne Cason

12/20/2021 9:05:20 AM

Reviewed By:

JL 12/20/21

I-OX

Cason

Chain of Custody

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

Log In

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

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by:

TO
12/20/21

JL 12/20/21

Special Handling (if applicable)

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

Person Notified:

Date:

By Whom:

Via:

☐ eMail☐ Phone☐ Fax☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.8	Good				
2	2.2	Good				

Chain-of-Custody Record

Client:

HHD

Mailing Address: 324 W. Main St Suite 108

Artoria NM

Phone #: 505-377-4218

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

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)Accreditation: ☐ Az Compliance☐ NELAC ☐ Other☐ EDD (Type)

Sampler:

On Ice: ☒ Yes ☐ No

of Coolers: 1.8" ± 0

Cooler Temp (including CFI): 7.2" ± 0 (°C)

Container Type and #

Preservative Type

HEAL No.

Date

Time

Matrix

Sample Name

SB-2-5'

SB-2-10'

SB-2-15'

SB-2-20'

SB-2-25'

SB-2-30'

SB-2-35'

SB-2-40'

SB-2-45'

SB-2-50'

SB-2-60'

SB-2-70'

Relinquished by:

Date

Time

Relinquished by:

Date

Time

Turn-Around Time:

☐ Standard ☒ Rush 5 Day

Project Name:

Nix Curtis Bldg Battery

Project #:

11229322

Project Manager:

Becky Haskell

Sampler:

On Ice: ☒ Yes ☐ No

of Coolers: 1.8" ± 0

Cooler Temp (including CFI): 7.2" ± 0 (°C)

Container Type and #

Preservative Type

HEAL No.

Date

Time

Matrix

Sample Name

SB-2-5'

SB-2-10'

SB-2-15'

SB-2-20'

SB-2-25'

SB-2-30'

SB-2-35'

SB-2-40'

SB-2-45'

SB-2-50'

SB-2-60'

SB-2-70'

Relinquished by:

Date

Time

Relinquished by:

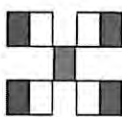
Date

Time

Relinquished by:

Date

Time

HALL ENVIRONMENTAL
ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

TPH:8015D(GRO / DRO / MRO) ☒

8081 Pesticides/8082 PCB's ☒

EDB (Method 504.1) ☒

PAHs by 8310 or 8270SIMS ☒

RCRA 8 Metals ☒

Cl, F, Br, NO₃, NO₂, PO₄, SO₄ ☒

8260 (VOA) ☒

8270 (Semi-VOA) ☒

Total Coliform (Present/Absent) ☒

Chloride E 300 ☒

BTX / MTBE / TMB's (8021) ☒TPH:8015D(GRO / DRO / MRO) ☒8081 Pesticides/8082 PCB's ☒EDB (Method 504.1) ☒PAHs by 8310 or 8270SIMS ☒RCRA 8 Metals ☒Cl, F, Br, NO₃, NO₂, PO₄, SO₄ ☒8260 (VOA) ☒8270 (Semi-VOA) ☒Total Coliform (Present/Absent) ☒Chloride E 300 ☒BTX / MTBE / TMB's (8021) ☒TPH:8015D(GRO / DRO / MRO) ☒8081 Pesticides/8082 PCB's ☒EDB (Method 504.1) ☒PAHs by 8310 or 8270SIMS ☒RCRA 8 Metals ☒Cl, F, Br, NO₃, NO₂, PO₄, SO₄ ☒8260 (VOA) ☒8270 (Semi-VOA) ☒Total Coliform (Present/Absent) ☒Chloride E 300 ☒

Remarks:

Received by: Via: Date Time

Received by: Via: Date Time

Received by: Via: Date Time

Received by: Via: Date Time

Received by: Via: Date Time

Received by: Via: Date Time

Received by: Via: Date Time



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

January 11, 2022

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

RE: Nix Curtix BH Battery

OrderNo.: 2112B77

Dear Becky Haskell:

Hall Environmental Analysis Laboratory received 20 sample(s) on 12/18/2021 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2112B77

Date Reported: 1/11/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-3-5'

Project: Nix Curtix BH Battery

Collection Date: 12/16/2021 11:20:00 AM

Lab ID: 2112B77-001

Matrix: SOIL

Received Date: 12/18/2021 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	890	60		mg/Kg	20	12/27/2021 1:10:23 PM	64726
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/21/2021 9:24:51 PM	64646
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/21/2021 9:24:51 PM	64646
Surr: DNOP	73.9	70-130		%Rec	1	12/21/2021 9:24:51 PM	64646
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	12/22/2021 3:20:55 AM	64642
Surr: BFB	90.5	70-130		%Rec	1	12/22/2021 3:20:55 AM	64642
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	12/22/2021 3:20:55 AM	64642
Toluene	ND	0.046		mg/Kg	1	12/22/2021 3:20:55 AM	64642
Ethylbenzene	ND	0.046		mg/Kg	1	12/22/2021 3:20:55 AM	64642
Xylenes, Total	ND	0.091		mg/Kg	1	12/22/2021 3:20:55 AM	64642
Surr: 4-Bromofluorobenzene	99.8	70-130		%Rec	1	12/22/2021 3:20:55 AM	64642

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

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

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Analytical Report

Lab Order 2112B77

Date Reported: 1/11/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-3-10'

Project: Nix Curtix BH Battery

Collection Date: 12/16/2021 11:25:00 AM

Lab ID: 2112B77-002

Matrix: SOIL

Received Date: 12/18/2021 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	3800	150		mg/Kg	50	12/28/2021 10:17:20 AM	64726
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	12/21/2021 9:48:57 PM	64646
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/21/2021 9:48:57 PM	64646
Surr: DNOP	74.4	70-130		%Rec	1	12/21/2021 9:48:57 PM	64646
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	12/22/2021 3:43:57 AM	64642
Surr: BFB	90.5	70-130		%Rec	1	12/22/2021 3:43:57 AM	64642
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	12/22/2021 3:43:57 AM	64642
Toluene	ND	0.046		mg/Kg	1	12/22/2021 3:43:57 AM	64642
Ethylbenzene	ND	0.046		mg/Kg	1	12/22/2021 3:43:57 AM	64642
Xylenes, Total	ND	0.092		mg/Kg	1	12/22/2021 3:43:57 AM	64642
Surr: 4-Bromofluorobenzene	99.3	70-130		%Rec	1	12/22/2021 3:43:57 AM	64642

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

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

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Analytical Report

Lab Order 2112B77

Date Reported: 1/11/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-3-15'

Project: Nix Curtix BH Battery

Collection Date: 12/16/2021 11:30:00 AM

Lab ID: 2112B77-003

Matrix: SOIL

Received Date: 12/18/2021 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	3000	150		mg/Kg	50	12/28/2021 10:29:44 AM	64726
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	12/21/2021 10:13:01 PM	64646
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/21/2021 10:13:01 PM	64646
Surr: DNOP	76.2	70-130		%Rec	1	12/21/2021 10:13:01 PM	64646
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/22/2021 11:46:58 AM	64642
Surr: BFB	92.6	70-130		%Rec	1	12/22/2021 11:46:58 AM	64642
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	12/22/2021 11:46:58 AM	64642
Toluene	ND	0.047		mg/Kg	1	12/22/2021 11:46:58 AM	64642
Ethylbenzene	ND	0.047		mg/Kg	1	12/22/2021 11:46:58 AM	64642
Xylenes, Total	ND	0.093		mg/Kg	1	12/22/2021 11:46:58 AM	64642
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	12/22/2021 11:46:58 AM	64642

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

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

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Analytical Report

Lab Order 2112B77

Date Reported: 1/11/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-3-20'

Project: Nix Curtix BH Battery

Collection Date: 12/16/2021 11:35:00 AM

Lab ID: 2112B77-004

Matrix: SOIL

Received Date: 12/18/2021 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	3600	150		mg/Kg	50	12/28/2021 10:42:09 AM	64726
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	8.6		mg/Kg	1	12/21/2021 10:37:18 PM	64646
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	12/21/2021 10:37:18 PM	64646
Surr: DNOP	74.0	70-130		%Rec	1	12/21/2021 10:37:18 PM	64646
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/22/2021 12:10:37 PM	64642
Surr: BFB	91.5	70-130		%Rec	1	12/22/2021 12:10:37 PM	64642
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	12/22/2021 12:10:37 PM	64642
Toluene	ND	0.049		mg/Kg	1	12/22/2021 12:10:37 PM	64642
Ethylbenzene	ND	0.049		mg/Kg	1	12/22/2021 12:10:37 PM	64642
Xylenes, Total	ND	0.098		mg/Kg	1	12/22/2021 12:10:37 PM	64642
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	12/22/2021 12:10:37 PM	64642

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

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

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Analytical Report

Lab Order 2112B77

Date Reported: 1/11/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-3-25'

Project: Nix Curtix BH Battery

Collection Date: 12/16/2021 11:40:00 AM

Lab ID: 2112B77-005

Matrix: SOIL

Received Date: 12/18/2021 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	1800	60		mg/Kg	20	12/27/2021 2:49:10 PM	64726
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	12/21/2021 11:01:12 PM	64646
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	12/21/2021 11:01:12 PM	64646
Surr: DNOP	77.1	70-130		%Rec	1	12/21/2021 11:01:12 PM	64646
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/22/2021 12:34:14 PM	64642
Surr: BFB	89.9	70-130		%Rec	1	12/22/2021 12:34:14 PM	64642
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	12/22/2021 12:34:14 PM	64642
Toluene	ND	0.049		mg/Kg	1	12/22/2021 12:34:14 PM	64642
Ethylbenzene	ND	0.049		mg/Kg	1	12/22/2021 12:34:14 PM	64642
Xylenes, Total	ND	0.099		mg/Kg	1	12/22/2021 12:34:14 PM	64642
Surr: 4-Bromofluorobenzene	98.6	70-130		%Rec	1	12/22/2021 12:34:14 PM	64642

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

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

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Analytical Report

Lab Order 2112B77

Date Reported: 1/11/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-3-30'

Project: Nix Curtix BH Battery

Collection Date: 12/16/2021 11:55:00 AM

Lab ID: 2112B77-006

Matrix: SOIL

Received Date: 12/18/2021 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	210	60		mg/Kg	20	12/27/2021 3:01:31 PM	64726
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	12/21/2021 11:25:16 PM	64646
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/21/2021 11:25:16 PM	64646
Surr: DNOP	75.8	70-130		%Rec	1	12/21/2021 11:25:16 PM	64646
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/22/2021 12:57:53 PM	64642
Surr: BFB	89.2	70-130		%Rec	1	12/22/2021 12:57:53 PM	64642
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	12/22/2021 12:57:53 PM	64642
Toluene	ND	0.047		mg/Kg	1	12/22/2021 12:57:53 PM	64642
Ethylbenzene	ND	0.047		mg/Kg	1	12/22/2021 12:57:53 PM	64642
Xylenes, Total	ND	0.093		mg/Kg	1	12/22/2021 12:57:53 PM	64642
Surr: 4-Bromofluorobenzene	96.7	70-130		%Rec	1	12/22/2021 12:57:53 PM	64642

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

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

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Analytical Report

Lab Order 2112B77

Date Reported: 1/11/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-3-35'

Project: Nix Curtix BH Battery

Collection Date: 12/16/2021 12:10:00 PM

Lab ID: 2112B77-007

Matrix: SOIL

Received Date: 12/18/2021 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	110	60		mg/Kg	20	12/27/2021 3:13:51 PM	64726
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/21/2021 11:49:11 PM	64646
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/21/2021 11:49:11 PM	64646
Surr: DNOP	76.5	70-130		%Rec	1	12/21/2021 11:49:11 PM	64646
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/22/2021 1:21:34 PM	64642
Surr: BFB	90.2	70-130		%Rec	1	12/22/2021 1:21:34 PM	64642
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	12/22/2021 1:21:34 PM	64642
Toluene	ND	0.047		mg/Kg	1	12/22/2021 1:21:34 PM	64642
Ethylbenzene	ND	0.047		mg/Kg	1	12/22/2021 1:21:34 PM	64642
Xylenes, Total	ND	0.095		mg/Kg	1	12/22/2021 1:21:34 PM	64642
Surr: 4-Bromofluorobenzene	99.2	70-130		%Rec	1	12/22/2021 1:21:34 PM	64642

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

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

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Analytical Report

Lab Order 2112B77

Date Reported: 1/11/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-3-40'

Project: Nix Curtix BH Battery

Collection Date: 12/16/2021 12:20:00 PM

Lab ID: 2112B77-008

Matrix: SOIL

Received Date: 12/18/2021 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	110	60		mg/Kg	20	12/27/2021 3:26:12 PM	64726
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	12/22/2021 12:13:11 AM	64646
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/22/2021 12:13:11 AM	64646
Surr: DNOP	78.8	70-130		%Rec	1	12/22/2021 12:13:11 AM	64646
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/22/2021 1:45:11 PM	64642
Surr: BFB	91.1	70-130		%Rec	1	12/22/2021 1:45:11 PM	64642
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	12/22/2021 1:45:11 PM	64642
Toluene	ND	0.049		mg/Kg	1	12/22/2021 1:45:11 PM	64642
Ethylbenzene	ND	0.049		mg/Kg	1	12/22/2021 1:45:11 PM	64642
Xylenes, Total	ND	0.098		mg/Kg	1	12/22/2021 1:45:11 PM	64642
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	12/22/2021 1:45:11 PM	64642

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

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

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Analytical Report

Lab Order 2112B77

Date Reported: 1/11/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-4-5'

Project: Nix Curtix BH Battery

Collection Date: 12/16/2021 1:00:00 AM

Lab ID: 2112B77-009

Matrix: SOIL

Received Date: 12/18/2021 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	5400	300		mg/Kg	100	12/28/2021 10:54:34 AM	64726
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	12/22/2021 1:48:29 PM	64646
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/22/2021 1:48:29 PM	64646
Surr: DNOP	98.4	70-130		%Rec	1	12/22/2021 1:48:29 PM	64646
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/22/2021 2:08:53 PM	64642
Surr: BFB	92.8	70-130		%Rec	1	12/22/2021 2:08:53 PM	64642
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	12/22/2021 2:08:53 PM	64642
Toluene	ND	0.048		mg/Kg	1	12/22/2021 2:08:53 PM	64642
Ethylbenzene	ND	0.048		mg/Kg	1	12/22/2021 2:08:53 PM	64642
Xylenes, Total	ND	0.097		mg/Kg	1	12/22/2021 2:08:53 PM	64642
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	12/22/2021 2:08:53 PM	64642

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

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

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Analytical Report

Lab Order 2112B77

Date Reported: 1/11/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-4-10'

Project: Nix Curtix BH Battery

Collection Date: 12/16/2021 1:05:00 PM

Lab ID: 2112B77-010

Matrix: SOIL

Received Date: 12/18/2021 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	6000	300		mg/Kg	100	12/28/2021 11:06:58 AM	64726
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	12/22/2021 1:01:08 AM	64646
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/22/2021 1:01:08 AM	64646
Surr: DNOP	78.0	70-130		%Rec	1	12/22/2021 1:01:08 AM	64646
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/22/2021 3:42:52 PM	64642
Surr: BFB	94.1	70-130		%Rec	1	12/22/2021 3:42:52 PM	64642
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	12/22/2021 3:42:52 PM	64642
Toluene	ND	0.049		mg/Kg	1	12/22/2021 3:42:52 PM	64642
Ethylbenzene	ND	0.049		mg/Kg	1	12/22/2021 3:42:52 PM	64642
Xylenes, Total	ND	0.098		mg/Kg	1	12/22/2021 3:42:52 PM	64642
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	12/22/2021 3:42:52 PM	64642

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

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

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Analytical Report

Lab Order 2112B77

Date Reported: 1/11/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-4-15'

Project: Nix Curtix BH Battery

Collection Date: 12/16/2021 1:10:00 PM

Lab ID: 2112B77-011

Matrix: SOIL

Received Date: 12/18/2021 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	5400	300		mg/Kg	100	12/28/2021 11:19:23 AM	64726
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	12/22/2021 1:25:07 AM	64646
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	12/22/2021 1:25:07 AM	64646
Surr: DNOP	76.9	70-130		%Rec	1	12/22/2021 1:25:07 AM	64646
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/22/2021 4:06:15 PM	64642
Surr: BFB	90.5	70-130		%Rec	1	12/22/2021 4:06:15 PM	64642
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	12/22/2021 4:06:15 PM	64642
Toluene	ND	0.050		mg/Kg	1	12/22/2021 4:06:15 PM	64642
Ethylbenzene	ND	0.050		mg/Kg	1	12/22/2021 4:06:15 PM	64642
Xylenes, Total	ND	0.099		mg/Kg	1	12/22/2021 4:06:15 PM	64642
Surr: 4-Bromofluorobenzene	98.8	70-130		%Rec	1	12/22/2021 4:06:15 PM	64642

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

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

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Analytical Report

Lab Order 2112B77

Date Reported: 1/11/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-4-20'

Project: Nix Curtix BH Battery

Collection Date: 12/16/2021 1:15:00 PM

Lab ID: 2112B77-012

Matrix: SOIL

Received Date: 12/18/2021 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	4600	300		mg/Kg	100	12/28/2021 11:31:47 AM	64726
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	12/22/2021 1:49:15 AM	64646
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/22/2021 1:49:15 AM	64646
Surr: DNOP	77.7	70-130		%Rec	1	12/22/2021 1:49:15 AM	64646
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/22/2021 4:29:50 PM	64642
Surr: BFB	91.0	70-130		%Rec	1	12/22/2021 4:29:50 PM	64642
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	12/22/2021 4:29:50 PM	64642
Toluene	ND	0.049		mg/Kg	1	12/22/2021 4:29:50 PM	64642
Ethylbenzene	ND	0.049		mg/Kg	1	12/22/2021 4:29:50 PM	64642
Xylenes, Total	ND	0.098		mg/Kg	1	12/22/2021 4:29:50 PM	64642
Surr: 4-Bromofluorobenzene	99.7	70-130		%Rec	1	12/22/2021 4:29:50 PM	64642

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

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

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Analytical Report

Lab Order 2112B77

Date Reported: 1/11/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-4-25'

Project: Nix Curtix BH Battery

Collection Date: 12/16/2021 1:20:00 PM

Lab ID: 2112B77-013

Matrix: SOIL

Received Date: 12/18/2021 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	810	60		mg/Kg	20	12/27/2021 4:52:38 PM	64726
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	12/22/2021 2:13:07 AM	64646
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/22/2021 2:13:07 AM	64646
Surr: DNOP	85.9	70-130		%Rec	1	12/22/2021 2:13:07 AM	64646
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/22/2021 4:53:25 PM	64642
Surr: BFB	88.3	70-130		%Rec	1	12/22/2021 4:53:25 PM	64642
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	12/22/2021 4:53:25 PM	64642
Toluene	ND	0.048		mg/Kg	1	12/22/2021 4:53:25 PM	64642
Ethylbenzene	ND	0.048		mg/Kg	1	12/22/2021 4:53:25 PM	64642
Xylenes, Total	ND	0.097		mg/Kg	1	12/22/2021 4:53:25 PM	64642
Surr: 4-Bromofluorobenzene	96.7	70-130		%Rec	1	12/22/2021 4:53:25 PM	64642

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

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

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Analytical Report

Lab Order 2112B77

Date Reported: 1/11/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-4-30'

Project: Nix Curtix BH Battery

Collection Date: 12/16/2021 1:25:00 PM

Lab ID: 2112B77-014

Matrix: SOIL

Received Date: 12/18/2021 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	320	61		mg/Kg	20	12/27/2021 5:04:59 PM	64726
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/22/2021 2:37:13 AM	64646
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/22/2021 2:37:13 AM	64646
Surr: DNOP	90.3	70-130		%Rec	1	12/22/2021 2:37:13 AM	64646
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/22/2021 5:17:04 PM	64642
Surr: BFB	89.9	70-130		%Rec	1	12/22/2021 5:17:04 PM	64642
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	12/22/2021 5:17:04 PM	64642
Toluene	ND	0.050		mg/Kg	1	12/22/2021 5:17:04 PM	64642
Ethylbenzene	ND	0.050		mg/Kg	1	12/22/2021 5:17:04 PM	64642
Xylenes, Total	ND	0.099		mg/Kg	1	12/22/2021 5:17:04 PM	64642
Surr: 4-Bromofluorobenzene	98.5	70-130		%Rec	1	12/22/2021 5:17:04 PM	64642

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

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

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Analytical Report

Lab Order 2112B77

Date Reported: 1/11/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-4-35'

Project: Nix Curtix BH Battery

Collection Date: 12/16/2021 1:30:00 PM

Lab ID: 2112B77-015

Matrix: SOIL

Received Date: 12/18/2021 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	260	60		mg/Kg	20	12/27/2021 5:17:20 PM	64726
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/22/2021 3:01:10 AM	64646
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/22/2021 3:01:10 AM	64646
Surr: DNOP	81.0	70-130		%Rec	1	12/22/2021 3:01:10 AM	64646
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/22/2021 5:40:43 PM	64642
Surr: BFB	90.4	70-130		%Rec	1	12/22/2021 5:40:43 PM	64642
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	12/22/2021 5:40:43 PM	64642
Toluene	ND	0.049		mg/Kg	1	12/22/2021 5:40:43 PM	64642
Ethylbenzene	ND	0.049		mg/Kg	1	12/22/2021 5:40:43 PM	64642
Xylenes, Total	ND	0.099		mg/Kg	1	12/22/2021 5:40:43 PM	64642
Surr: 4-Bromofluorobenzene	99.4	70-130		%Rec	1	12/22/2021 5:40:43 PM	64642

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

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

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Analytical Report

Lab Order 2112B77

Date Reported: 1/11/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-5-5'

Project: Nix Curtix BH Battery

Collection Date: 12/16/2021 2:15:00 PM

Lab ID: 2112B77-016

Matrix: SOIL

Received Date: 12/18/2021 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	2800	150		mg/Kg	50	12/28/2021 11:44:12 AM	64726
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	12/22/2021 3:25:17 AM	64646
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	12/22/2021 3:25:17 AM	64646
Surr: DNOP	84.4	70-130		%Rec	1	12/22/2021 3:25:17 AM	64646
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/22/2021 6:04:16 PM	64642
Surr: BFB	91.7	70-130		%Rec	1	12/22/2021 6:04:16 PM	64642
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	12/22/2021 6:04:16 PM	64642
Toluene	ND	0.049		mg/Kg	1	12/22/2021 6:04:16 PM	64642
Ethylbenzene	ND	0.049		mg/Kg	1	12/22/2021 6:04:16 PM	64642
Xylenes, Total	ND	0.099		mg/Kg	1	12/22/2021 6:04:16 PM	64642
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	12/22/2021 6:04:16 PM	64642

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

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

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Analytical Report

Lab Order 2112B77

Date Reported: 1/11/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-5-10'

Project: Nix Curtix BH Battery

Collection Date: 12/16/2021 2:20:00 PM

Lab ID: 2112B77-017

Matrix: SOIL

Received Date: 12/18/2021 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	1700	60		mg/Kg	20	12/27/2021 3:55:13 PM	64731
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	12/27/2021 11:52:32 AM	64646
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	12/27/2021 11:52:32 AM	64646
Surr: DNOP	96.6	70-130		%Rec	1	12/27/2021 11:52:32 AM	64646
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/22/2021 6:27:53 PM	64642
Surr: BFB	90.7	70-130		%Rec	1	12/22/2021 6:27:53 PM	64642
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	12/22/2021 6:27:53 PM	64642
Toluene	ND	0.048		mg/Kg	1	12/22/2021 6:27:53 PM	64642
Ethylbenzene	ND	0.048		mg/Kg	1	12/22/2021 6:27:53 PM	64642
Xylenes, Total	ND	0.096		mg/Kg	1	12/22/2021 6:27:53 PM	64642
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	12/22/2021 6:27:53 PM	64642

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

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

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Analytical Report

Lab Order 2112B77

Date Reported: 1/11/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-5-15'

Project: Nix Curtix BH Battery

Collection Date: 12/16/2021 2:25:00 PM

Lab ID: 2112B77-018

Matrix: SOIL

Received Date: 12/18/2021 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	720	60		mg/Kg	20	12/27/2021 4:07:38 PM	64731
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	8.3		mg/Kg	1	12/22/2021 3:00:25 PM	64646
Motor Oil Range Organics (MRO)	ND	42		mg/Kg	1	12/22/2021 3:00:25 PM	64646
Surr: DNOP	88.5	70-130		%Rec	1	12/22/2021 3:00:25 PM	64646
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/22/2021 6:51:23 PM	64642
Surr: BFB	89.3	70-130		%Rec	1	12/22/2021 6:51:23 PM	64642
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	12/22/2021 6:51:23 PM	64642
Toluene	ND	0.048		mg/Kg	1	12/22/2021 6:51:23 PM	64642
Ethylbenzene	ND	0.048		mg/Kg	1	12/22/2021 6:51:23 PM	64642
Xylenes, Total	ND	0.095		mg/Kg	1	12/22/2021 6:51:23 PM	64642
Surr: 4-Bromofluorobenzene	98.2	70-130		%Rec	1	12/22/2021 6:51:23 PM	64642

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

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

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Analytical Report

Lab Order 2112B77

Date Reported: 1/11/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-5-20'

Project: Nix Curtix BH Battery

Collection Date: 12/16/2021 2:30:00 PM

Lab ID: 2112B77-019

Matrix: SOIL

Received Date: 12/18/2021 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	220	60		mg/Kg	20	12/27/2021 4:20:03 PM	64731
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	12/22/2021 9:47:08 AM	64656
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/22/2021 9:47:08 AM	64656
Surr: DNOP	100	70-130		%Rec	1	12/22/2021 9:47:08 AM	64656
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/22/2021 4:39:00 PM	64650
Surr: BFB	85.8	70-130		%Rec	1	12/22/2021 4:39:00 PM	64650
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	12/22/2021 4:39:00 PM	64650
Toluene	ND	0.050		mg/Kg	1	12/22/2021 4:39:00 PM	64650
Ethylbenzene	ND	0.050		mg/Kg	1	12/22/2021 4:39:00 PM	64650
Xylenes, Total	ND	0.10		mg/Kg	1	12/22/2021 4:39:00 PM	64650
Surr: 4-Bromofluorobenzene	76.7	70-130		%Rec	1	12/22/2021 4:39:00 PM	64650

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

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

Analytical Report

Lab Order 2112B77

Date Reported: 1/11/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-5-25

Project: Nix Curtix BH Battery

Collection Date: 12/16/2021 2:35:00 PM

Lab ID: 2112B77-020

Matrix: SOIL

Received Date: 12/18/2021 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	320	60		mg/Kg	20	12/27/2021 4:32:28 PM	64731
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	12/22/2021 10:18:54 AM	64656
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/22/2021 10:18:54 AM	64656
Surr: DNOP	95.0	70-130		%Rec	1	12/22/2021 10:18:54 AM	64656
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/22/2021 5:38:00 PM	64650
Surr: BFB	89.1	70-130		%Rec	1	12/22/2021 5:38:00 PM	64650
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	12/22/2021 5:38:00 PM	64650
Toluene	ND	0.048		mg/Kg	1	12/22/2021 5:38:00 PM	64650
Ethylbenzene	ND	0.048		mg/Kg	1	12/22/2021 5:38:00 PM	64650
Xylenes, Total	ND	0.096		mg/Kg	1	12/22/2021 5:38:00 PM	64650
Surr: 4-Bromofluorobenzene	79.6	70-130		%Rec	1	12/22/2021 5:38:00 PM	64650

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

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

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

WO#: 2112B77

11-Jan-22

Client: GHD Midland
Project: Nix Curtix BH Battery

Sample ID: MB-64726	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 64726	RunNo: 84790								
Prep Date: 12/27/2021	Analysis Date: 12/27/2021	SeqNo: 2983056		Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-64726	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 64726	RunNo: 84790								
Prep Date: 12/27/2021	Analysis Date: 12/27/2021	SeqNo: 2983057		Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.3	90	110			

Sample ID: MB-64731	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 64731	RunNo: 84810								
Prep Date: 12/27/2021	Analysis Date: 12/27/2021	SeqNo: 2983184		Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-64731	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 64731	RunNo: 84810								
Prep Date: 12/27/2021	Analysis Date: 12/27/2021	SeqNo: 2983185		Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.7	90	110			

Qualifiers:

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

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

WO#: 2112B77

11-Jan-22

Client: GHD Midland
Project: Nix Curtix BH Battery

Sample ID: LCS-64646	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 64646			RunNo: 84720						
Prep Date: 12/20/2021	Analysis Date: 12/21/2021			SeqNo: 2979223		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	58	10	50.00	0	115	68.9	135			
Surr: DNOP	3.3		5.000		66.0	70	130			S

Sample ID: MB-64646	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 64646			RunNo: 84720						
Prep Date: 12/20/2021	Analysis Date: 12/21/2021			SeqNo: 2979225		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	7.3		10.00		73.2	70	130			

Sample ID: LCS-64656	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 64656			RunNo: 84722						
Prep Date: 12/21/2021	Analysis Date: 12/22/2021			SeqNo: 2979306		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	90.9	68.9	135			
Surr: DNOP	4.7		5.000		94.5	70	130			

Sample ID: MB-64656	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 64656			RunNo: 84722						
Prep Date: 12/21/2021	Analysis Date: 12/22/2021			SeqNo: 2979307		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		102	70	130			

Sample ID: 2112B77-019AMS	SampType: MS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: SB-5-20'	Batch ID: 64656			RunNo: 84722						
Prep Date: 12/21/2021	Analysis Date: 12/22/2021			SeqNo: 2980495		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	40	9.8	49.12	5.291	70.7	39.3	155			
Surr: DNOP	4.4		4.912		90.4	70	130			

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: 2112B77
11-Jan-22

Client: GHD Midland
Project: Nix Curtix BH Battery

Sample ID: 2112B77-019AMSD		SampType: MSD		TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: SB-5-20'		Batch ID: 64656		RunNo: 84722						
Prep Date: 12/21/2021		Analysis Date: 12/22/2021		SeqNo: 2980496		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	40	9.9	49.55	5.291	69.8	39.3	155	0.421	23.4	
Surr: DNOP	4.3		4.955		87.1	70	130	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

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

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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

WO#: 2112B77

11-Jan-22

Client: GHD Midland
Project: Nix Curtix BH Battery

Sample ID: mb-64642	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 64642			RunNo: 84701						
Prep Date: 12/20/2021	Analysis Date: 12/22/2021			SeqNo: 2978950		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	940		1000		94.4	70	130			

Sample ID: lcs-64642	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 64642			RunNo: 84701						
Prep Date: 12/20/2021	Analysis Date: 12/22/2021			SeqNo: 2978951		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	25.00	0	83.8	78.6	131			
Surr: BFB	990		1000		99.5	70	130			

Sample ID: mb-64650	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 64650			RunNo: 84715						
Prep Date: 12/21/2021	Analysis Date: 12/22/2021			SeqNo: 2981390		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	810		1000		81.4	70	130			

Sample ID: lcs-64650	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 64650			RunNo: 84715						
Prep Date: 12/21/2021	Analysis Date: 12/22/2021			SeqNo: 2981391		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	101	78.6	131			
Surr: BFB	970		1000		97.0	70	130			

Sample ID: 2112B77-019ams	SampType: MS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: SB-5-20'	Batch ID: 64650			RunNo: 84715						
Prep Date: 12/21/2021	Analysis Date: 12/22/2021			SeqNo: 2981392		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	24.80	0	113	61.3	114			
Surr: BFB	1000		992.1		105	70	130			

Sample ID: 2112B77-019amsd	SampType: MSD			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: SB-5-20'	Batch ID: 64650			RunNo: 84715						
Prep Date: 12/21/2021	Analysis Date: 12/22/2021			SeqNo: 2981394		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: 2112B77
11-Jan-22

Client: GHD Midland
Project: Nix Curtix BH Battery

Sample ID: 2112B77-019amsd		SampType: MSD		TestCode: EPA Method 8015D: Gasoline Range						
Client ID: SB-5-20'		Batch ID: 64650		RunNo: 84715						
Prep Date: 12/21/2021		Analysis Date: 12/22/2021		SeqNo: 2981394		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	24.75	0	110	61.3	114	3.36	20	
Surr: BFB	1000		990.1		104	70	130	0	0	

Qualifiers:

- *

Value exceeds Maximum Contaminant Level.
- D

Sample Diluted Due to Matrix
- H

Holding times for preparation or analysis exceeded
- ND

Not Detected at the Reporting Limit
- PQL

Practical Quantitative Limit
- S

% Recovery outside of range due to dilution or matrix interference
- B

Analyte detected in the associated Method Blank
- E

Estimated value
- J

Analyte detected below quantitation limits
- P

Sample pH Not In Range
- RL

Reporting Limit

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

WO#: 2112B77

11-Jan-22

Client: GHD Midland
Project: Nix Curtix BH Battery

Sample ID: mb-64642	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch ID: 64642			RunNo: 84701						
Prep Date: 12/20/2021	Analysis Date: 12/22/2021			SeqNo: 2978997		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		103	70	130			

Sample ID: LCS-64642	SampType: LCS			TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch ID: 64642			RunNo: 84701						
Prep Date: 12/20/2021	Analysis Date: 12/22/2021			SeqNo: 2978998		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	1.000	0	96.1	80	120			
Toluene	0.96	0.050	1.000	0	95.6	80	120			
Ethylbenzene	0.95	0.050	1.000	0	95.3	80	120			
Xylenes, Total	2.8	0.10	3.000	0	94.3	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		103	70	130			

Sample ID: mb-64650	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch ID: 64650			RunNo: 84715						
Prep Date: 12/21/2021	Analysis Date: 12/22/2021			SeqNo: 2981433		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.76		1.000		76.4	70	130			

Sample ID: lcs-64650	SampType: LCS			TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch ID: 64650			RunNo: 84715						
Prep Date: 12/21/2021	Analysis Date: 12/22/2021			SeqNo: 2981434		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.025	1.000	0	88.3	80	120			
Toluene	0.88	0.050	1.000	0	88.0	80	120			
Ethylbenzene	0.88	0.050	1.000	0	87.8	80	120			
Xylenes, Total	2.6	0.10	3.000	0	85.6	80	120			
Surr: 4-Bromofluorobenzene	0.77		1.000		77.2	70	130			

Qualifiers:

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

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

WO#: 2112B77

11-Jan-22

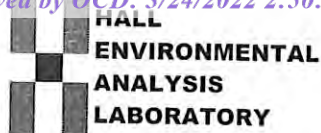
Client: GHD Midland
Project: Nix Curtix BH Battery

Sample ID: 2112B77-020ams	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: SB-5-25	Batch ID: 64650	RunNo: 84715								
Prep Date: 12/21/2021	Analysis Date: 12/22/2021	SeqNo: 2981436	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.024	0.9542	0	95.3	80	120			
Toluene	0.91	0.048	0.9542	0	95.8	80	120			
Ethylbenzene	0.93	0.048	0.9542	0	97.0	80	120			
Xylenes, Total	2.7	0.095	2.863	0	95.0	80	120			
Surr: 4-Bromofluorobenzene	0.76		0.9542		79.7	70	130			

Sample ID: 2112B77-020amsd	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: SB-5-25	Batch ID: 64650	RunNo: 84715								
Prep Date: 12/21/2021	Analysis Date: 12/22/2021	SeqNo: 2981438	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.024	0.9569	0	96.4	80	120	1.37	20	
Toluene	0.92	0.048	0.9569	0	96.6	80	120	1.16	20	
Ethylbenzene	0.92	0.048	0.9569	0	96.5	80	120	0.202	20	
Xylenes, Total	2.7	0.096	2.871	0	94.2	80	120	0.558	20	
Surr: 4-Bromofluorobenzene	0.75		0.9569		78.7	70	130	0	0	

Qualifiers:

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



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

Sample Log-In Check List

Client Name: GHD Midland

Work Order Number: 2112B77

RcptNo: 1

Received By: Isaiah Ortiz

12/18/2021 10:00:00 AM

Completed By: Cheyenne Cason

12/20/2021 9:14:53 AM

Reviewed By: JN 12/20/21

I-04

Cason

Chain of Custody

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

Log In

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

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by:

Special Handling (if applicable)

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

Person Notified:

Date:

By Whom:

Via:

☐ eMail☐ Phone☐ Fax☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.8	Good				
2	2.2	Good				

**HALL ENVIRONMENTAL
ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Chain-of-Custody Record			
Client: <u>SHD</u>		☐ Standard ☒ Rush <u>5 Day</u>	
Project Name: <u>Nix Curfix BH Battery</u>			
Mailing Address: <u>324 W. Main St Suite 10B</u>		Project #: <u>11229322</u>	
<u>Artesia, NM</u>		Project Manager: <u>Becky Haslam</u>	
Phone #: <u>505.377-4218</u>		Sampler: <u>LM</u>	
email or Fax#:		On Ice: ☒ Yes ☐ No	
QA/QC Package: ☐ Level 4 (Full Validation)		# of Coolers: <u>1.8" ±0</u>	
Accreditation: ☐ Az Compliance ☐ NELAC ☐ Other _____		Cooler Temp (including CF): <u>7.7 °C ±0</u> (°C)	
☐ EDD (Type) _____			
Date	Time	Matrix	Sample Name
<u>12/16/24</u>	<u>1120</u>	<u>S</u>	<u>SB-3-5'</u>
	<u>1125</u>		<u>SB-3-10'</u>
	<u>1130</u>		<u>SB-3-15'</u>
	<u>1135</u>		<u>SB-3-20'</u>
	<u>1140</u>		<u>SB-3-25'</u>
	<u>1155</u>		<u>SB-3-30'</u>
	<u>1210</u>		<u>SB-3-35'</u>
	<u>1220</u>		<u>SB-3-40'</u>
	<u>1300</u>		<u>SB-4-5'</u>
	<u>1305</u>		<u>SB-4-10'</u>
	<u>1310</u>		<u>SB-4-15'</u>
	<u>1315</u>		<u>SB-4-20'</u>
Relinquished by: <u>See (W)</u>		Received by: _____	
Date: <u>12/17/24</u>	Time: <u>0800</u>	Via: _____	Date: _____ Time: _____
Date: <u>12/17/24</u>	Time: <u>1400</u>	Via: _____	Date: _____ Time: _____

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

Action 93017

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 93017
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Remediation Plan Approved with Conditions. Composite confirmation samples will be collected from the bottom of the excavation from areas representing no more than four hundred (400) square feet. Composite confirmation samples will be collected from the sidewalls of the excavation from areas representing no more than two hundred (200) square feet. Please submit Closure Report by September 30, 2022.	5/2/2022