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	nAPP2202758401
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 # *nAPP2202758401*
Contact mailing address 104 S. 4th Street, Artesia, NM 88210	

Location of Release Source

Latitude 32.71965 Longitude -104.37899
(NAD 83 in decimal degrees to 5 decimal places)

Site Name White IU Battery	Site Type Battery
Date Release Discovered 1/26/2022	API#

Unit Letter	Section	Township	Range	County
H	28	18S	26E	Eddy

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (*Name:* Percussion Petroleum Operating LLC)

Nature and Volume of Release

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

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

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

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2202758401
District RP	
Facility ID	
Application ID	

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

Initial Response

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

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

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

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

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

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

Signature: Chase Settle Date: 01/27/2022

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

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2202758401
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	90 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☒ Yes ☐ No

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

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

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

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

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2202758401
District RP	
Facility ID	
Application ID	

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

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

Signature: Chase Settle Date: 04/26/2022

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

OCD Only

Received by: _____ Date: _____

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

Our ref: 12574107

April 25, 2022

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

Re: Site Characterization and Delineation Work Plan
White IU Battery Release Site
EOG Resources Inc.
Incident ID: nAPP2202758401
H-28-18S-26E, Eddy County New Mexico

1. Introduction

GHD Services, Inc. (GHD), on behalf of EOG Resources (EOG), submits this Site Characterization and Delineation Work Plan to the New Mexico Oil Conservation Division (NMOCD) District 2 Office. This Report provides documentation of delineation, sampling, and analyses that was conducted in the affected area at the EOG White IU Battery Release Site (Site). In addition, this Report presents a Work Plan for further delineation of the affected soils at the Site. The Site is located in Unit Letter H, Section 28 of Township 18 South and Range 26 East in Eddy County, New Mexico. The GPS coordinates for the release site are 32.71965º N latitude and 104.37899º W longitude. The release occurred on land privately owned by Percussion Petroleum Operating LLC. 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 January 27, 2022. The C-141 stated that no known volume or date could be assigned to this historical release. The potential release area was discovered during EOG decommissioning process associated with this location. Soils within the former tank battery containment appeared to be discolored. On January 26, 2022, GHD was on Site to investigate if the stained soils constituted a reportable release. Based on the results of that investigation and after discussions between field personnel and environmental staff, EOG made the decision to file a C-141 for this suspect release location.

The release falls under the jurisdiction of the NMOCD District 2 Office in Artesia, New Mexico. The NMOCD assigned the release with Incident Number nAPP2202758401. The Release Notification and Site Assessment/Characterization portions of Form C-141 are attached to the front of this report.

3. Groundwater and Site Characterization

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

According to the Site characterization evaluation and 19.15.29.12.C(4) the Site is located within an area of low karst potential. Two water wells were located within a half mile radius of the Site. The water wells are located approximately 0.23 (RA 11952 POD1) and 0.46 (RA05425) miles from the site and have a recorded GW depth of 90 feet below ground surface. No other receptors (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) the Site is located within an area with depth to groundwater between fifty-one (51) to one hundred (100) feet and meets the closure criteria for depth to groundwater between fifty-one (51) to one hundred (100) feet in Table 1 in NMAC 19.15.29.12. The Site characterization documentation (Well Log, Karst Potential, FEMA, Points of Diversion, Significant Water Course, and Wetlands maps) are provided in Attachment A, Site Characterization Documentation. The soil closure criteria are listed below:

General Site Characterization and Groundwater:

Site Characterization	Average Groundwater Depth (feet)
No Receptors Found	90 Feet

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

Regulatory Standard	Chloride	TPH (GRO+DRO+MRO_	TPH (GRO+MRO)	BTEX	Benzene
19.15.29.13 Restoration, Reclamation and Re-Vegetation (Impacted Area 0-4 Feet)	600 mg/Kg	100 mg/Kg	---	50 mg/Kg	10 mg/Kg
19.15.29.12 NMAC Table I Closure Criteria for Soils Impacted by a Release	10,000 mg/Kg	2,500 mg/Kg	1,000 mg/Kg	50 mg/Kg	10 mg/Kg
Notes: --- = not defined					

4. Initial Soil Delineation Assessment Summary and Findings

On February 9 through April 5, 2022, GHD and EOG's contractor Standard Safety and Supply (SS) installed twenty-two (22) test pits, TP1 through TP22, within the suspected impacted area. Soil samples were collected at depths ranging from the surface to twenty (20) ft 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.

Analytical results indicated two (2) of the twenty-two (22) test pits had samples exceeding applicable NMAC Table I Closure Criteria for a depth to groundwater between fifty-one (51) to one hundred (100) feet, TP1 and TP12. Figure 2, Site Assessment: Soil Analytical Results Map, depicts the locations of the initial delineation samples and analytical concentrations. Analytical results are provided in Table 1, on Figure 2, and in the Laboratory Analytical Reports provided in Attachment B.

5. nAPP202758401 Proposed Delineation Plan

Initial analytical results have identified the excavation depths needed for all test pit areas. However, according to 19.15.29.11A(5)(c) if groundwater is greater than fifty (50) feet and less than or equal to one hundred (100) feet the site must be vertically delineated to less than fifty (50) feet closure criteria, if the spill contained produced water that exceeds ten thousand 10,000 mg/l of chloride and if the release is of an unknown quantity. According to the analytical results test pit TP1 exhibited BTEX and TPH concentrations above Table I closure criteria for ground water less than 50 feet below ground surface. Additionally, test pits, TP-2, TP-3, TP-8, TP-12, TP-14, TP-16 and TP-22 exhibited chloride concentrations above Table I closure criteria for ground water less than fifty (50) feet below ground surface.

GHD, on behalf of EOG, proposes to install five (5) soil borings strategically positioned between TP-1, TP-2, TP-3, TP-8, TP-12, TP-14 and TP-16 to vertically delineate BTEX, total TPH and chloride impacts below Table I closure criteria for groundwater less than fifty (50) feet below ground surface. During boring installation, GHD will obtain samples every five (5) to ten (10) feet starting at five (5) feet below ground surface until field screening and observations indicate the boring is delineated. Select soil samples will be analyzed for BTEX by EPA Method 8021B, TPH by Method 8015B Modified, and chloride by EPA Method 300 by a certified laboratory. The area where TP22 is located has underground and aboveground utilities and infrastructure. The analytical results for TP22 indicated a chloride concentration of 880 mg/kg at two feet below ground surface. The area will be excavated to four (4) below grade using a hydrovac, with bottom hole confirmation to be completed. Due to underground and aboveground utilities/infrastructure no further vertical delineation can be safely completed. A sidewall sample will be collected from the east wall towards the road and analyzed for chloride only since the asphalt road consists of hydrocarbons. If that sidewall sample exhibits chloride concentrations above Table I closure criteria the excavation will be terminated because the asphalt rode provides a barrier to any further migration of chloride. Soil boring locations are depicted on Figure 2, Site Assessment: Soil Analytical Results Map.

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

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

Sincerely,

GHD

Becky Haskell
Senior Project Manager

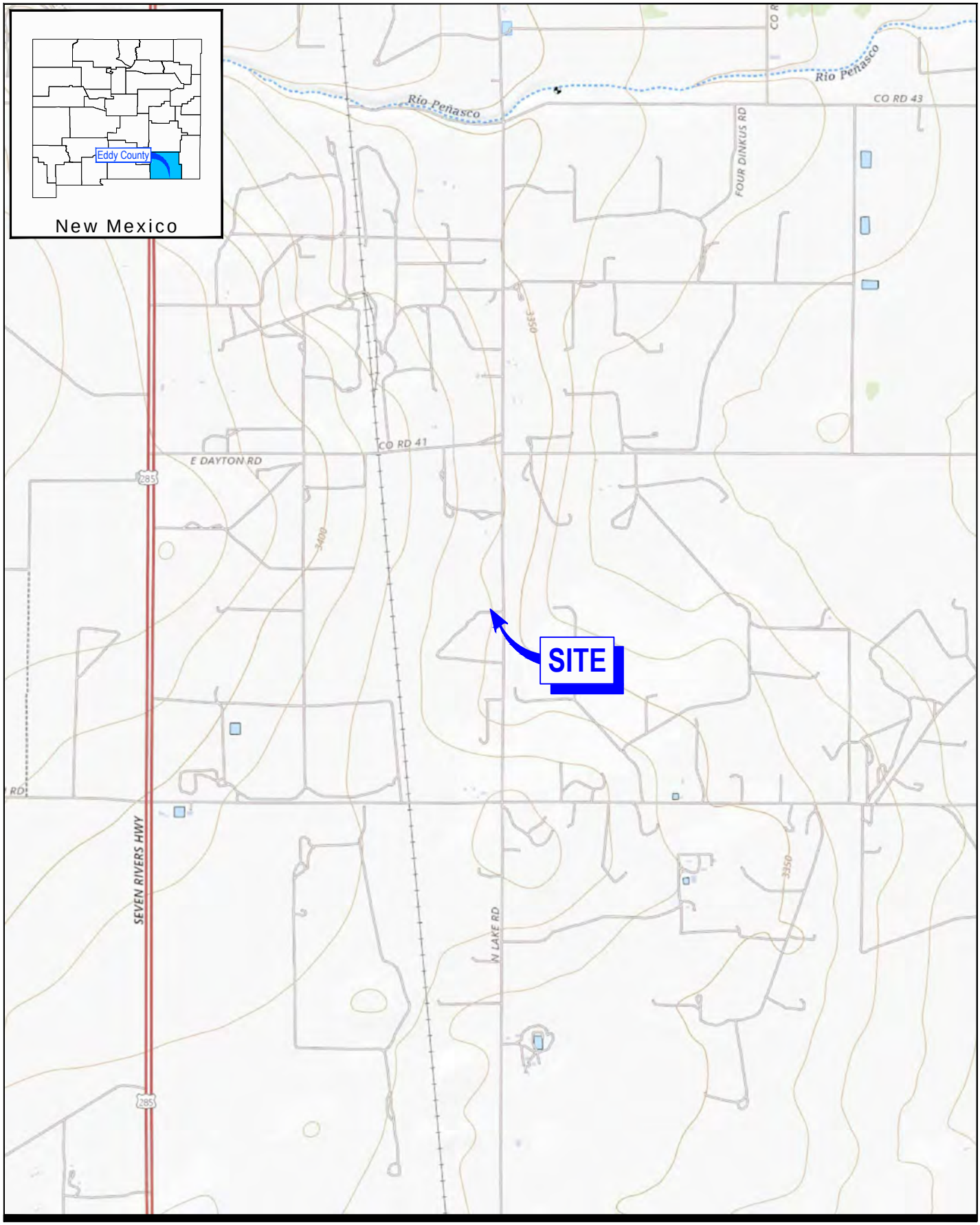
Zach Comino
Field Geologist

ZC/bh/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 – Laboratory Analytical Reports and Chain-of-Custody Documentation

CC: Chase Settle

Figures



0 1000 2000 ft

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

N

GHD

EOG RESOURCES
EDDY COUNTY, NEW MEXICO
WHITE IU BATTERY

Project No. **12574107**
Date **April 2022**

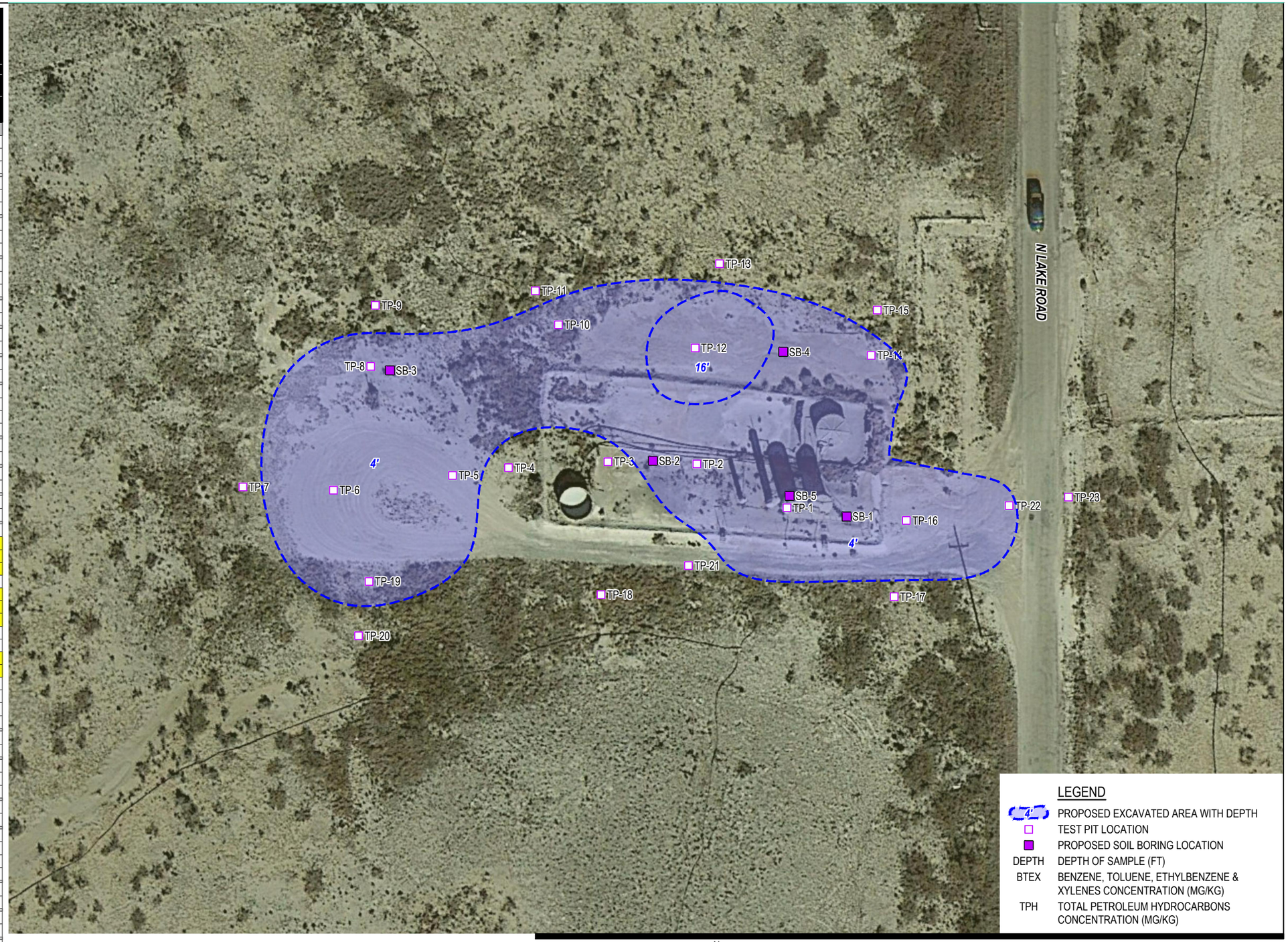
SITE LOCATION MAP

FIGURE 1

Filename: \\ghdnet\ghd\US\Midland\Projects\562\12574107\Digital_Design\ACAD\Figures\RPT001\12574107-GHD-0000-RPT-EN-0101_DL-001.dwg

Data Source: USGS 7.5 Minute Quad "Dayton and Lake McMillan North, New Mexico"
Lat/Long: 32.719656° North, 104.379018° West

Sample ID	Sample Date	Depth (ft bgs)	Benzene	BTEX	Total Petroleum Hydrocarbons (TPH) Total GRO/DRO/MRO	Chloride
			mg/kg	mg/kg	mg/kg	mg/kg
			Table I Closure Criteria for Soils 51 - 100 feet Depth to Groundwater 19.15.29 NMAC			
			10 mg/kg	50 mg/kg	2,500 mg/kg	10,000 mg/kg
Initial Assessment Samples						
TP1-6	2/9/22	6	<0.48	**205**	**10,800**	**690**
TP1-14	2/9/22	14	**0.12**	**38.12**	**2,400**	**74**
TP1-19	2/9/22	19	**2.7**	**185.7**	**6,300**	<60
TP2-2	2/9/22	2	<0.025	<0.099	<48	**2,200**
TP2-14	2/9/22	14	<0.024	<0.096	<43	**3,100**
TP2-19	2/9/22	19	<0.024	<0.095	<43	**1,900**
TP3-2	2/9/22	2	<0.025	<0.098	<46	**410**
TP3-14	2/9/22	14	<0.024	<0.097	<47	**6,000**
TP3-19	2/9/22	19	<0.023	<0.093	<46	**5,000**
TP4-2	2/9/22	2	<0.024	<0.098	<50	**600**
TP4-4	2/9/22	4	<0.023	<0.092	<46	**530**
TP4-8	2/9/22	8	<0.024	<0.096	<47	**480**
TP5-2	2/9/22	2	<0.024	<0.097	<46	**930**
TP5-4	2/9/22	4	<0.025	<0.098	<50	**540**
TP6-2	2/9/22	2	<0.025	<0.099	<48	**830**
TP6-4	2/9/22	4	<0.025	<0.098	<48	**380**
TP7-S	2/9/22	Surface	<0.025	<0.099	<45	<60
TP7-2	2/9/22	2	<0.025	<0.10	<48	<60
TP8-2	2/9/22	2	<0.024	<0.097	<50	**1,200**
TP8-6	2/9/22	6	<0.025	<0.099	<41	**3,600**
TP8-14	2/10/22	14	<0.024	<0.097	<46	**5,600**
TP8-19	2/10/22	19	<0.024	<0.096	<48	**5,000**
TP9-S	2/10/22	Surface	<0.024	<0.097	<50	<60
TP9-2	2/10/22	2	<0.025	<0.099	<47	<60
TP10-2	2/10/22	2	<0.024	<0.096	<48	**910**
TP10-8	2/10/22	8	<0.024	<0.096	<47	**410**
TP11-S	2/10/22	Surface	<0.024	<0.097	<48	<60
TP11-2	2/10/22	2	<0.024	<0.096	<50	<60
TP12-2	2/10/22	2	<0.024	<0.097	<48	**5,800**
TP12-5	4/5/22	5	<0.024	<0.095	<50	**16,000**
TP12-6	4/5/22	6	<0.024	<0.096	<49	**11,000**
TP12-7	4/5/22	7	<0.025	<0.099	<48	**11,000**
TP12-8	4/5/22	8	<0.023	<0.093	<50	**5,000**
TP12-9	4/5/22	9	<0.023	<0.092	<48	**14,000**
TP12-10	2/10/22	10	<0.024	<0.097	<49	**12,000**
TP12-11	4/5/22	11	<0.024	<0.095	12	**13,000**
TP12-12	4/5/22	12	<0.024	<0.097	<48	**8,600**
TP12-13	4/5/22	13	<0.023	<0.094	<49	**9,200**
TP12-14	4/5/22	14	<0.024	<0.096	<49	**10,000**
TP12-15	4/5/22	15	<0.025	<0.099	<49	**12,000**
TP12-16	4/5/22	16	<0.024	<0.097	<48	**9,600**
TP12-17	4/5/22	17	<0.024	<0.095	<47	**7,100**
TP12-18	4/5/22	18	<0.024	<0.098	<48	**5,800**
TP12-19	2/10/22	19	<0.023	<0.091	<43	**5,000**
TP13-S	2/10/22	Surface	<0.023	<0.092	<48	<60
TP13-2	2/10/22	2	<0.025	<0.098	<49	**310**
TP14-2	2/10/22	2	<0.024	<0.096	<49	**5,200**
TP14-14	2/10/22	14	<0.025	<0.098	<47	**5,300**
TP14-18	2/10/22	18	<0.024	<0.098	<49	**4,100**
TP15-S	2/10/22	Surface	<0.024	<0.095	<47	<60
TP15-2	2/10/22	2	<0.024	<0.096	<48	<60
TP16-2	2/10/22	2	<0.025	<0.099	<48	**860**
TP16-4	2/10/22	4	<0.023	<0.093	<48	**800**
TP16-12	2/10/22	12	<0.023	<0.092	<49	**920**
TP16-19	2/10/22	19	<0.023	<0.091	<48	**770**
TP17-S	2/10/22	Surface	<0.025	<0.098	<50	<60
TP17-2	2/10/22	2	<0.025	<0.099	<48	<60
TP18-S	2/11/22	Surface	<0.024	<0.097	<49	<60
TP18-2	2/11/22	2	<0.024	<0.096	<47	<60
TP19-2	2/11/22	2	<0.025	<0.099	<50	**1,800**
TP19-8	2/11/22	8	<0.025	<0.10	<46	**170**
TP20-S	2/11/22	Surface	<0.024	<0.098	<49	<60
TP20-2	2/11/22	2	<0.024	<0.097	<50	**190**
TP21-S	2/11/22	Surface	<0.025	<0.10	<49	<60
TP21-2	2/11/22	2	<0.025	<0.099	<48	**350**
TP22-2	2/11/22	2	<0.025	<0.099	<50	**880**



NOTES:

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

0 25 50 ft

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

N

GHD

EOG RESOURCES
EDDY COUNTY, NEW MEXICO
WHITE IU BATTERY

SITE ASSESSMENT:
SOIL ANALYTICAL RESULTS MAP

Project No. **12574107**
Date **April 2022**

FIGURE 2

Filename: \\ghdnet\ghd\US\Midland\Projects\562\12574107\Digital_Design\ACAD\Figures\RPT001\12574107-GHD-0000-RPT-EN-0101_DL-001.dwg
Plot Date: 25 April 2022 1:49 PM

Data Source: Image © 2021 Google - Imagery Date: December 21, 2019
Lat/Long: 32.719656° North, 104.379018° West

Tables

Table 1
Summary of Soil Analytical Data
White IU 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 51 - 100 feet Depth to Groundwater 19.15.29 NMAC									
			10 mg/kg	---	---	---	50 mg/kg	1,000 mg/kg		---	2,500 mg/kg	10,000 mg/kg
Initial Assessment Samples												
TP1-6	2/9/22	6	<0.48	<0.95	**130**	**75**	**205**	**1,500**	**7,900**	**1,400**	**10,800**	**690**
TP1-14	2/9/22	14	**0.12**	<0.24	**22**	**16**	**38.12**	**290**	**1,600**	**510**	**2,400**	**74**
TP1-19	2/9/22	19	**2.7**	**20**	**84**	**79**	**185.7**	**1,100**	**3,900**	**1,300**	**6,300**	<60
TP2-2	2/9/22	2	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.6	<48	<48	**2,200**
TP2-14	2/9/22	14	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	**9.4**	<43	<43	**3,100**
TP2-19	2/9/22	19	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<8.6	<43	<43	**1,900**
TP3-2	2/9/22	2	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.1	<46	<46	**410**
TP3-14	2/9/22	14	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.4	<47	<47	**6,000**
TP3-19	2/9/22	19	<0.023	<0.046	<0.046	<0.093	<0.093	<4.6	<9.2	<46	<46	**5,000**
TP4-2	2/9/22	2	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<10	<50	<50	**600**
TP4-4	2/9/22	4	<0.023	<0.046	<0.046	<0.092	<0.092	<4.6	<9.3	<46	<46	**530**
TP4-8	2/9/22	8	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.4	<47	<47	**480**
TP5-2	2/9/22	2	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<9.3	<46	<46	**930**
TP5-4	2/9/22	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<10	<50	<50	**540**
TP6-2	2/9/22	2	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.7	<48	<48	**830**
TP6-4	2/9/22	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.7	<48	<48	**380**
TP7-S	2/9/22	Surface	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.0	<45	<45	<60
TP7-2	2/9/22	2	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.7	<48	<48	<60
TP8-2	2/9/22	2	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<10	<50	<50	**1,200**
TP8-6	2/9/22	6	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<8.3	<41	<41	**3,600**
TP8-14	2/10/22	14	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<9.1	<46	<46	**5,600**
TP8-19	2/10/22	19	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.6	<48	<48	**5,000**
TP9-S	2/10/22	Surface	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.9	<50	<50	<60
TP9-2	2/10/22	2	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.4	<47	<47	<60
TP10-2	2/10/22	2	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.6	<48	<48	**910**
TP10-8	2/10/22	8	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.4	<47	<47	**410**
TP11-S	2/10/22	Surface	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.5	<48	<48	<60
TP11-2	2/10/22	2	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<10	<50	<50	<60
TP12-2	2/10/22	2	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<9.7	<48	<48	**5,800**
TP12-5	4/5/22	5	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<10	<50	<50	**16,000**
TP12-6	4/5/22	6	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.8	<49	<49	**11,000**
TP12-7	4/5/22	7	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.7	<48	<48	**11,000**
TP12-8	4/5/22	8	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	<9.9	<50	<50	**5,000**
TP12-9	4/5/22	9	<0.023	<0.046	<0.046	<0.092	<0.092	<4.6	<9.5	<48	<48	**14,000**

Table 1
Summary of Soil Analytical Data
White IU 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 51 - 100 feet Depth to Groundwater 19.15.29 NMAC									
			10 mg/kg	---	---	---	50 mg/kg	1,000 mg/kg		---	2,500 mg/kg	10,000 mg/kg
TP12-10	2/10/22	10	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<9.8	<49	<49	**12,000**
TP12-11	4/5/22	11	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	12	<49	12	**13,000**
TP12-12	4/5/22	12	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.6	<48	<48	**8,600**
TP12-13	4/5/22	13	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	<9.8	<49	<49	**9,200**
TP12-14	4/5/22	14	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.9	<49	<49	**10,000**
TP12-15	4/5/22	15	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.7	<49	<49	**12,000**
TP12-16	4/5/22	16	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<9.7	<48	<48	**9,600**
TP12-17	4/5/22	17	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<9.4	<47	<47	**7,100**
TP12-18	4/5/22	18	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.7	<48	<48	**5,800**
TP12-19	2/10/22	19	<0.023	<0.046	<0.046	<0.091	<0.091	<4.6	<8.6	<43	<43	**5,000**
TP13-S	2/10/22	Surface	<0.023	<0.046	<0.046	<0.092	<0.092	<4.6	<9.7	<48	<48	<60
TP13-2	2/10/22	2	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.7	<49	<49	**310**
TP14-2	2/10/22	2	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.8	<49	<49	**5,200**
TP14-14	2/10/22	14	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.4	<47	<47	**5,300**
TP14-18	2/10/22	18	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.8	<49	<49	**4,100**
TP15-S	2/10/22	Surface	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<9.3	<47	<47	<60
TP15-2	2/10/22	2	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.6	<48	<48	<60
TP16-2	2/10/22	2	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.6	<48	<48	**860**
TP16-4	2/10/22	4	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	<9.7	<48	<48	**800**
TP16-12	2/10/22	12	<0.023	<0.046	<0.046	<0.092	<0.092	<4.6	<9.7	<49	<49	**920**
TP16-19	2/10/22	19	<0.023	<0.046	<0.046	<0.091	<0.091	<4.6	<9.5	<48	<48	**770**
TP17-S	2/10/22	Surface	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<10	<50	<50	<60
TP17-2	2/10/22	2	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.6	<48	<48	<60
TP18-S	2/11/22	Surface	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<9.9	<49	<49	<60
TP18-2	2/11/22	2	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.5	<47	<47	<60
TP19-2	2/11/22	2	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<10	<50	<50	**1,800**
TP19-8	2/11/22	8	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.1	<46	<46	**170**
TP20-S	2/11/22	Surface	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.7	<49	<49	<60
TP20-2	2/11/22	2	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<10	<50	<50	**190**
TP21-S	2/11/22	Surface	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.8	<49	<49	<60
TP21-2	2/11/22	2	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.7	<48	<48	**350**
TP22-2	2/11/22	2	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<10	<50	<50	**880**

Table 1
Summary of Soil Analytical Data
White IU 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 51 - 100 feet Depth to Groundwater 19.15.29 NMAC												
			10 mg/kg	---	---	---	50 mg/kg	1,000 mg/kg		---	2,500 mg/kg	10,000 mg/kg

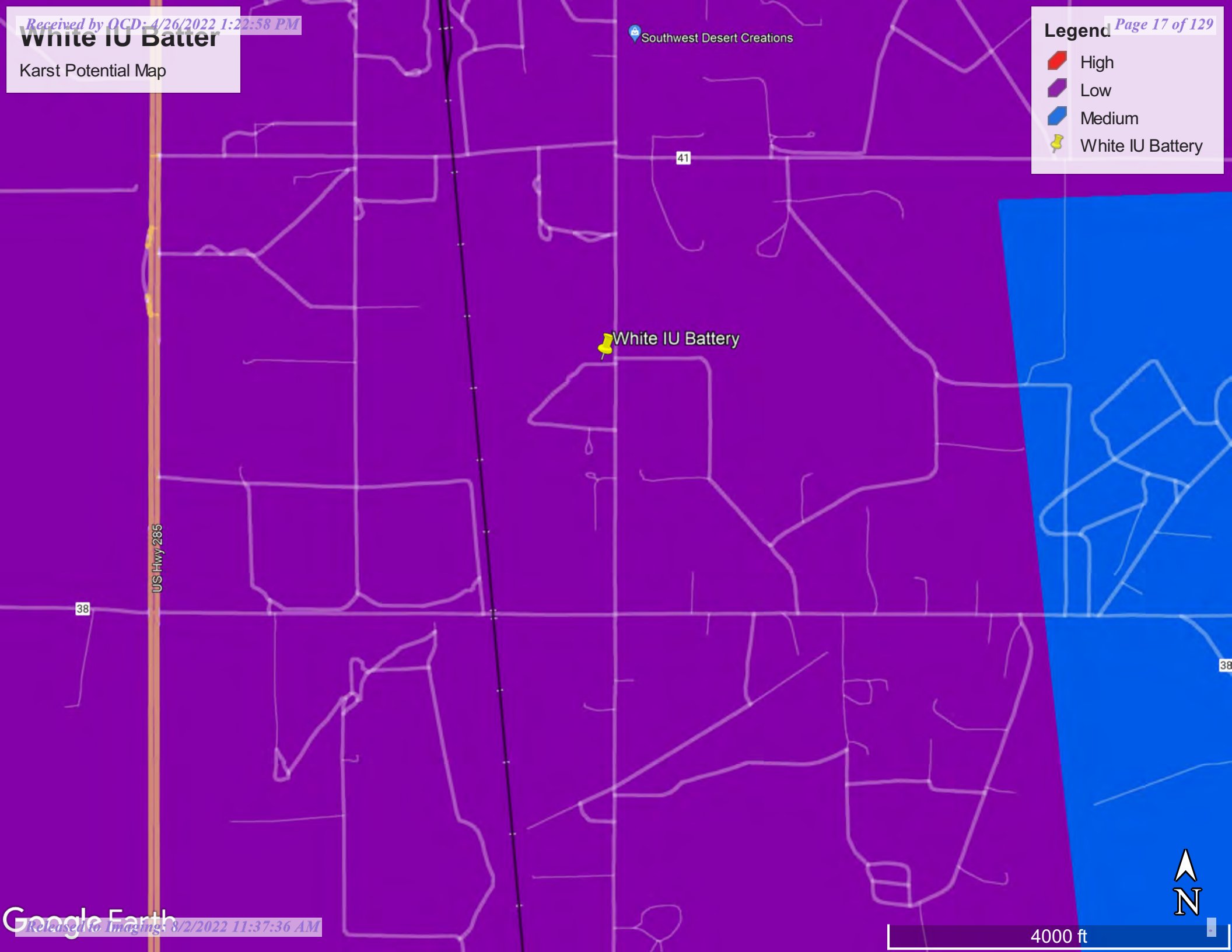
Notes:
1. Values reported in mg/kg
2. < = Value Less than Reporting Limit (RL)
3. Bold Indicates Analyte Detected
4 BTEX analyses by EPA Method SW 8021B.
5. TPH analyses by EPA Method SW 8015 Mod.
6. GRO/DRO/MRO = Gasoline/Diesel/Motor Oil
7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table 1 Closure Criteria for the site.
8. Peach shaded cells indicate analytical samples that exceed the NMAC 19.15.29.13 Table 1 Closure Criteria for the site (Surface to 4 Feet Below Grade).

~~B-BH 2~~ Sample Point Excavated

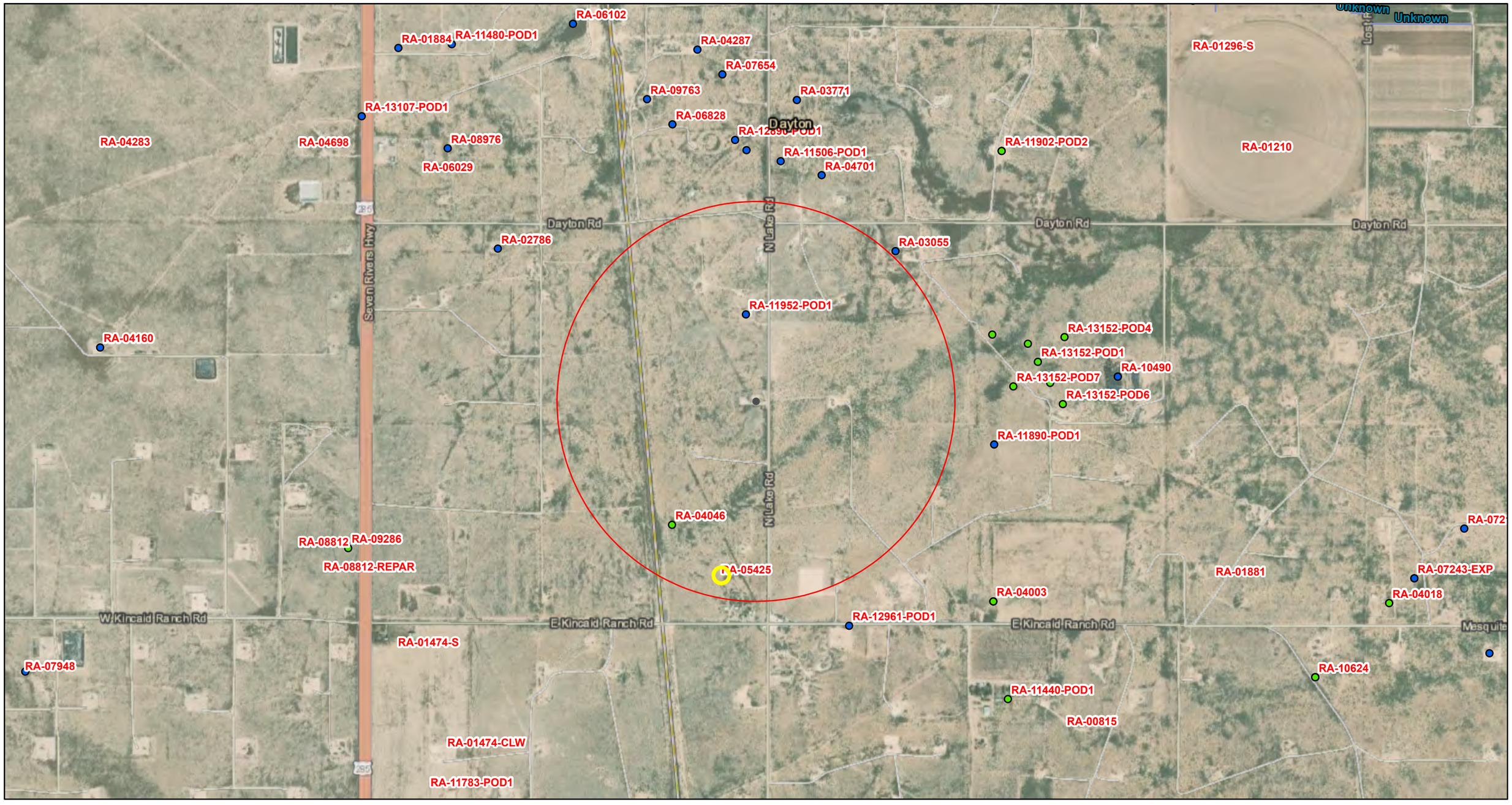
Attachment A
Site Characterization Documentation

White IU Battery

Karst Potential Map



White IU Battery



3/21/2022, 1:00:46 PM

GIS WATERS PODs
- Active
- Pending

OSE District Boundary

Water Right Regulations
- Closure Area

Conveyances
- Ditch
- SiteBoundaries

1:18,056

0 0.17 0.35 0.7 mi

0 0.3 0.6 1.2 km

New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	RA 11952 POD1	4	2	2	28	18S	26E	558153	3620727

Driller License: 1064 **Driller Company:** DELFORD W. MARTIN

Driller Name: DELFORD MARTIN

Drill Start Date: 07/07/2013 **Drill Finish Date:** 08/01/2013 **Plug Date:**

Log File Date: 08/08/2013 **PCW Rcv Date:** **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:**

Casing Size: 5.00 **Depth Well:** 170 feet **Depth Water:** 90 feet

Water Bearing Stratifications:	Top	Bottom	Description
	105	128	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	110	170

New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	RA 05425		4	4	28	18S	26E	558060	3619677*

Driller License: 353 **Driller Company:** OSBOURN DRILLING & PUMP CO.

Driller Name:

Drill Start Date: 05/16/1968 **Drill Finish Date:** 05/18/1968 **Plug Date:**

Log File Date: 05/20/1968 **PCW Rcv Date:** **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:**

Casing Size: **Depth Well:** 160 feet **Depth Water:** 90 feet

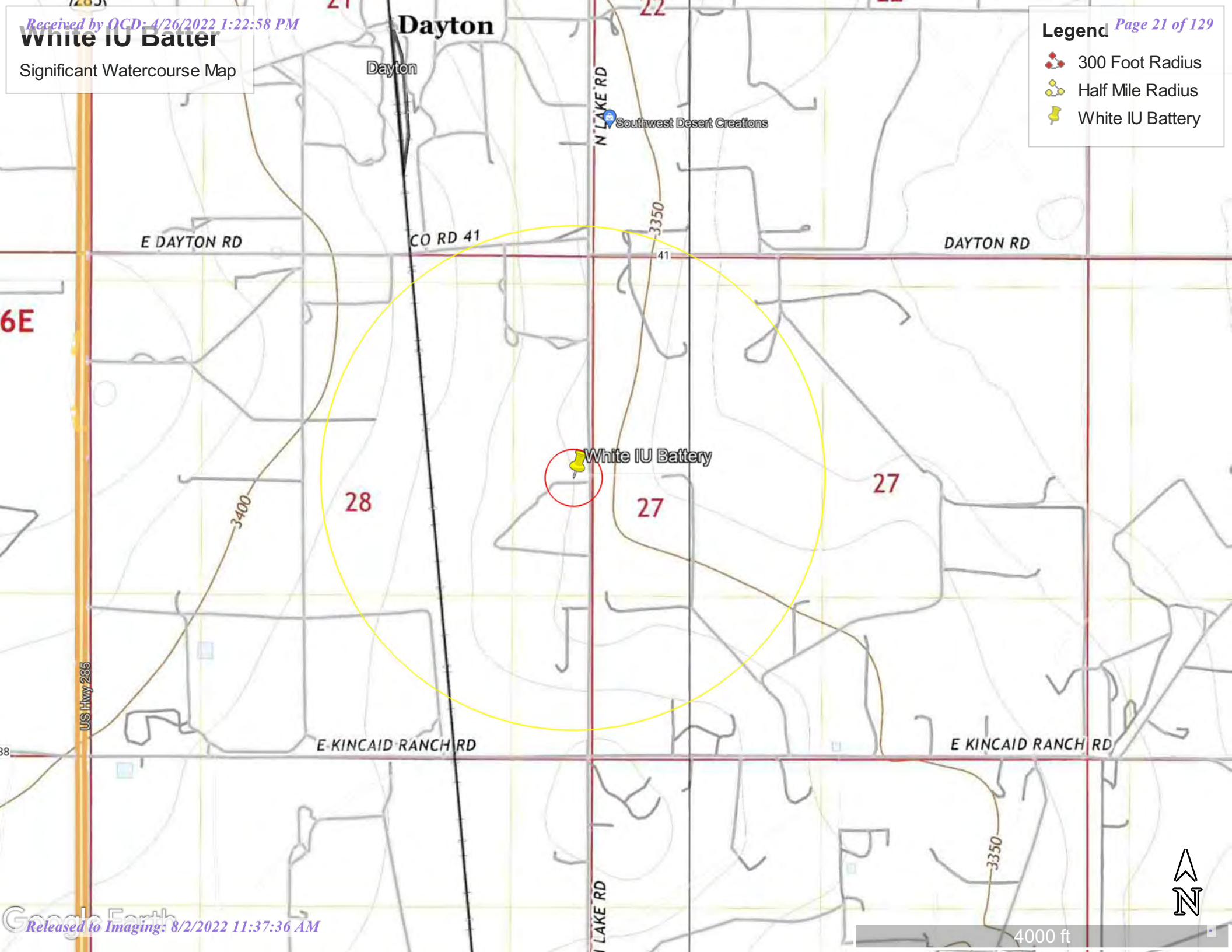
Water Bearing Stratifications:	Top	Bottom	Description
	90	158	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	80	115
	105	160

***UTM location was derived from PLSS - see Help**

White IU Battery

Significant Watercourse Map



U.S. Fish and Wildlife Service
National Wetlands Inventory

White IU Battery

February 22, 2022

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

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

National Flood Hazard Layer FIRMette

FEMA

104°23'3"W 32°43'26"N

104°22'26"W 32°42'56"N

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

1:6,000

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

Legend

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

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

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

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

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

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

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

N

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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 2/22/2022 at 6:05 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

February 24, 2022

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

RE: White IU Battery OrderNo.: 2202574

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 20 sample(s) on 2/11/2022 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued February 22, 2022.

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

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

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2202574**
Date Reported: **2/24/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: TP1-6
Project: White IU Battery
Collection Date: 2/9/2022 7:50:00 AM
Lab ID: 2202574-001 **Matrix:** SOIL **Received Date:** 2/11/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**MRA**
Chloride	690	60		mg/Kg	20	2/17/2022 5:27:55 PM	65610
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**SB**
Diesel Range Organics (DRO)	7900	180		mg/Kg	20	2/16/2022 12:51:39 AM	65518
Motor Oil Range Organics (MRO)	1400	910		mg/Kg	20	2/16/2022 12:51:39 AM	65518
Surr: DNOP	0	51.1-141	S	%Rec	20	2/16/2022 12:51:39 AM	65518
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**
Gasoline Range Organics (GRO)	1500	95		mg/Kg	20	2/15/2022 1:21:27 AM	65502
Surr: BFB	740	70-130	S	%Rec	20	2/15/2022 1:21:27 AM	65502
EPA METHOD 8021B: VOLATILES						Analyst:	**NSB**
Benzene	ND	0.48		mg/Kg	20	2/15/2022 1:21:27 AM	65502
Toluene	ND	0.95		mg/Kg	20	2/15/2022 1:21:27 AM	65502
Ethylbenzene	130	4.8		mg/Kg	100	2/15/2022 9:13:10 AM	65502
Xylenes, Total	75	1.9		mg/Kg	20	2/15/2022 1:21:27 AM	65502
Surr: 4-Bromofluorobenzene	234	70-130	S	%Rec	20	2/15/2022 1:21:27 AM	65502

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

Qualifiers:

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

Analytical Report
Lab Order **2202574**
Date Reported: **2/24/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: TP1-14
Project: White IU Battery
Collection Date: 2/9/2022 8:30:00 AM
Lab ID: 2202574-002 **Matrix:** SOIL **Received Date:** 2/11/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	74	60		mg/Kg	20	2/17/2022 10:47:35 AM	65614
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	1600	100		mg/Kg	10	2/16/2022 12:28:23 PM	65518
Motor Oil Range Organics (MRO)	510	500		mg/Kg	10	2/16/2022 12:28:23 PM	65518
Surr: DNOP	0	51.1-141	S	%Rec	10	2/16/2022 12:28:23 PM	65518
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	290	24		mg/Kg	5	2/15/2022 1:44:55 AM	65502
Surr: BFB	510	70-130	S	%Rec	5	2/15/2022 1:44:55 AM	65502
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	0.12	0.12		mg/Kg	5	2/15/2022 1:44:55 AM	65502
Toluene	ND	0.24		mg/Kg	5	2/15/2022 1:44:55 AM	65502
Ethylbenzene	22	0.24		mg/Kg	5	2/15/2022 1:44:55 AM	65502
Xylenes, Total	16	0.48		mg/Kg	5	2/15/2022 1:44:55 AM	65502
Surr: 4-Bromofluorobenzene	169	70-130	S	%Rec	5	2/15/2022 1:44:55 AM	65502

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

Qualifiers:

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

Analytical Report
Lab Order **2202574**
Date Reported: **2/24/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Client Sample ID:** TP1-19
Project: White IU Battery **Collection Date:** 2/9/2022 9:05:00 AM
Lab ID: 2202574-003 **Matrix:** SOIL **Received Date:** 2/11/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**MRA**
Chloride	ND	60		mg/Kg	20	2/17/2022 10:59:56 AM	65614
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**SB**
Diesel Range Organics (DRO)	3900	200		mg/Kg	20	2/16/2022 1:13:22 AM	65518
Motor Oil Range Organics (MRO)	1300	1000		mg/Kg	20	2/16/2022 1:13:22 AM	65518
Surr: DNOP	0	51.1-141	S	%Rec	20	2/16/2022 1:13:22 AM	65518
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**
Gasoline Range Organics (GRO)	1100	23		mg/Kg	5	2/15/2022 2:08:19 AM	65502
Surr: BFB	1270	70-130	S	%Rec	5	2/15/2022 2:08:19 AM	65502
EPA METHOD 8021B: VOLATILES						Analyst:	**NSB**
Benzene	2.7	1.2		mg/Kg	50	2/15/2022 9:36:50 AM	65502
Toluene	20	2.3		mg/Kg	50	2/15/2022 9:36:50 AM	65502
Ethylbenzene	84	2.3		mg/Kg	50	2/15/2022 9:36:50 AM	65502
Xylenes, Total	79	4.7		mg/Kg	50	2/15/2022 9:36:50 AM	65502
Surr: 4-Bromofluorobenzene	133	70-130	S	%Rec	50	2/15/2022 9:36:50 AM	65502

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

Qualifiers:

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

Analytical Report
Lab Order **2202574**
Date Reported: **2/24/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: TP2-2
Project: White IU Battery
Collection Date: 2/9/2022 9:20:00 AM
Lab ID: 2202574-004 **Matrix:** SOIL **Received Date:** 2/11/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	2200	60		mg/Kg	20	2/17/2022 11:12:16 AM	65614
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	2/16/2022 1:24:10 AM	65518
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/16/2022 1:24:10 AM	65518
Surr: DNOP	104	51.1-141		%Rec	1	2/16/2022 1:24:10 AM	65518
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/15/2022 2:31:40 AM	65502
Surr: BFB	126	70-130		%Rec	1	2/15/2022 2:31:40 AM	65502
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	2/15/2022 2:31:40 AM	65502
Toluene	ND	0.050		mg/Kg	1	2/15/2022 2:31:40 AM	65502
Ethylbenzene	ND	0.050		mg/Kg	1	2/15/2022 2:31:40 AM	65502
Xylenes, Total	ND	0.099		mg/Kg	1	2/15/2022 2:31:40 AM	65502
Surr: 4-Bromofluorobenzene	108	70-130		%Rec	1	2/15/2022 2:31:40 AM	65502

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

Qualifiers:

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

Analytical Report
Lab Order **2202574**
Date Reported: **2/24/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: TP2-14
Project: White IU Battery
Collection Date: 2/9/2022 10:05:00 AM
Lab ID: 2202574-005 **Matrix:** SOIL **Received Date:** 2/11/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	3100	150		mg/Kg	50	2/18/2022 1:26:38 PM	65614
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	9.4	8.6		mg/Kg	1	2/16/2022 1:34:58 AM	65518
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	2/16/2022 1:34:58 AM	65518
Surr: DNOP	98.7	51.1-141		%Rec	1	2/16/2022 1:34:58 AM	65518
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/15/2022 2:55:00 AM	65502
Surr: BFB	127	70-130		%Rec	1	2/15/2022 2:55:00 AM	65502
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	2/15/2022 2:55:00 AM	65502
Toluene	ND	0.048		mg/Kg	1	2/15/2022 2:55:00 AM	65502
Ethylbenzene	ND	0.048		mg/Kg	1	2/15/2022 2:55:00 AM	65502
Xylenes, Total	ND	0.096		mg/Kg	1	2/15/2022 2:55:00 AM	65502
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	1	2/15/2022 2:55:00 AM	65502

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

Qualifiers:

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

Analytical Report
Lab Order **2202574**
Date Reported: **2/24/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: TP2-19
Project: White IU Battery
Collection Date: 2/9/2022 10:25:00 AM
Lab ID: 2202574-006 **Matrix:** SOIL **Received Date:** 2/11/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	1900	60		mg/Kg	20	2/17/2022 11:36:57 AM	65614
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	8.6		mg/Kg	1	2/16/2022 1:45:46 AM	65518
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	2/16/2022 1:45:46 AM	65518
Surr: DNOP	97.3	51.1-141		%Rec	1	2/16/2022 1:45:46 AM	65518
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/15/2022 3:41:38 AM	65502
Surr: BFB	110	70-130		%Rec	1	2/15/2022 3:41:38 AM	65502
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	2/15/2022 3:41:38 AM	65502
Toluene	ND	0.048		mg/Kg	1	2/15/2022 3:41:38 AM	65502
Ethylbenzene	ND	0.048		mg/Kg	1	2/15/2022 3:41:38 AM	65502
Xylenes, Total	ND	0.095		mg/Kg	1	2/15/2022 3:41:38 AM	65502
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	2/15/2022 3:41:38 AM	65502

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

Qualifiers:

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

Analytical Report
Lab Order **2202574**
Date Reported: **2/24/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: TP3-2
Project: White IU Battery
Collection Date: 2/9/2022 10:45:00 AM
Lab ID: 2202574-007 **Matrix:** SOIL **Received Date:** 2/11/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	410	60		mg/Kg	20	2/17/2022 11:49:18 AM	65614
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	2/16/2022 1:56:30 AM	65518
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	2/16/2022 1:56:30 AM	65518
Surr: DNOP	107	51.1-141		%Rec	1	2/16/2022 1:56:30 AM	65518
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/15/2022 4:04:52 AM	65502
Surr: BFB	110	70-130		%Rec	1	2/15/2022 4:04:52 AM	65502
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	2/15/2022 4:04:52 AM	65502
Toluene	ND	0.049		mg/Kg	1	2/15/2022 4:04:52 AM	65502
Ethylbenzene	ND	0.049		mg/Kg	1	2/15/2022 4:04:52 AM	65502
Xylenes, Total	ND	0.098		mg/Kg	1	2/15/2022 4:04:52 AM	65502
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	2/15/2022 4:04:52 AM	65502

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

Qualifiers:

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

Analytical Report
Lab Order **2202574**
Date Reported: **2/24/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: TP3-14
Project: White IU Battery
Collection Date: 2/9/2022 11:20:00 AM
Lab ID: 2202574-008 **Matrix:** SOIL **Received Date:** 2/11/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	6000	300		mg/Kg	100	2/18/2022 1:38:58 PM	65614
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	2/16/2022 2:07:11 AM	65518
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/16/2022 2:07:11 AM	65518
Surr: DNOP	98.6	51.1-141		%Rec	1	2/16/2022 2:07:11 AM	65518
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/15/2022 4:28:08 AM	65502
Surr: BFB	113	70-130		%Rec	1	2/15/2022 4:28:08 AM	65502
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	2/15/2022 4:28:08 AM	65502
Toluene	ND	0.048		mg/Kg	1	2/15/2022 4:28:08 AM	65502
Ethylbenzene	ND	0.048		mg/Kg	1	2/15/2022 4:28:08 AM	65502
Xylenes, Total	ND	0.097		mg/Kg	1	2/15/2022 4:28:08 AM	65502
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	2/15/2022 4:28:08 AM	65502

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

Qualifiers:

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

Analytical Report
Lab Order **2202574**
Date Reported: **2/24/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: TP3-19
Project: White IU Battery
Collection Date: 2/9/2022 11:40:00 AM
Lab ID: 2202574-009 **Matrix:** SOIL **Received Date:** 2/11/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	5000	300		mg/Kg	100	2/18/2022 1:51:19 PM	65614
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	2/16/2022 2:17:51 AM	65518
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	2/16/2022 2:17:51 AM	65518
Surr: DNOP	124	51.1-141		%Rec	1	2/16/2022 2:17:51 AM	65518
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	2/15/2022 4:51:22 AM	65502
Surr: BFB	112	70-130		%Rec	1	2/15/2022 4:51:22 AM	65502
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.023		mg/Kg	1	2/15/2022 4:51:22 AM	65502
Toluene	ND	0.046		mg/Kg	1	2/15/2022 4:51:22 AM	65502
Ethylbenzene	ND	0.046		mg/Kg	1	2/15/2022 4:51:22 AM	65502
Xylenes, Total	ND	0.093		mg/Kg	1	2/15/2022 4:51:22 AM	65502
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	2/15/2022 4:51:22 AM	65502

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

Qualifiers:

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

Analytical Report
Lab Order **2202574**
Date Reported: **2/24/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Client Sample ID:** TP4-2
Project: White IU Battery **Collection Date:** 2/9/2022 12:50:00 PM
Lab ID: 2202574-010 **Matrix:** SOIL **Received Date:** 2/11/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	600	60		mg/Kg	20	2/17/2022 12:51:01 PM	65614
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	2/16/2022 2:28:28 AM	65518
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/16/2022 2:28:28 AM	65518
Surr: DNOP	93.6	51.1-141		%Rec	1	2/16/2022 2:28:28 AM	65518
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/15/2022 10:00:28 AM	65502
Surr: BFB	116	70-130		%Rec	1	2/15/2022 10:00:28 AM	65502
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	2/15/2022 10:00:28 AM	65502
Toluene	ND	0.049		mg/Kg	1	2/15/2022 10:00:28 AM	65502
Ethylbenzene	ND	0.049		mg/Kg	1	2/15/2022 10:00:28 AM	65502
Xylenes, Total	ND	0.098		mg/Kg	1	2/15/2022 10:00:28 AM	65502
Surr: 4-Bromofluorobenzene	109	70-130		%Rec	1	2/15/2022 10:00:28 AM	65502

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

Qualifiers:

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

Analytical Report
Lab Order **2202574**
Date Reported: **2/24/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: TP4-4
Project: White IU Battery
Collection Date: 2/9/2022 12:55:00 PM
Lab ID: 2202574-011 **Matrix:** SOIL **Received Date:** 2/11/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**MRA**
Chloride	530	60		mg/Kg	20	2/17/2022 1:03:22 PM	65614
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**SB**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	2/16/2022 2:39:03 AM	65518
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	2/16/2022 2:39:03 AM	65518
Surr: DNOP	90.1	51.1-141		%Rec	1	2/16/2022 2:39:03 AM	65518
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	2/15/2022 10:24:11 AM	65502
Surr: BFB	115	70-130		%Rec	1	2/15/2022 10:24:11 AM	65502
EPA METHOD 8021B: VOLATILES						Analyst:	**NSB**
Benzene	ND	0.023		mg/Kg	1	2/15/2022 10:24:11 AM	65502
Toluene	ND	0.046		mg/Kg	1	2/15/2022 10:24:11 AM	65502
Ethylbenzene	ND	0.046		mg/Kg	1	2/15/2022 10:24:11 AM	65502
Xylenes, Total	ND	0.092		mg/Kg	1	2/15/2022 10:24:11 AM	65502
Surr: 4-Bromofluorobenzene	108	70-130		%Rec	1	2/15/2022 10:24:11 AM	65502

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

Qualifiers:

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

Analytical Report
Lab Order **2202574**
Date Reported: **2/24/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Client Sample ID:** TP4-8
Project: White IU Battery **Collection Date:** 2/9/2022 1:05:00 PM
Lab ID: 2202574-012 **Matrix:** SOIL **Received Date:** 2/11/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	480	60		mg/Kg	20	2/17/2022 1:15:42 PM	65614
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	2/16/2022 2:49:38 AM	65518
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/16/2022 2:49:38 AM	65518
Surr: DNOP	100	51.1-141		%Rec	1	2/16/2022 2:49:38 AM	65518
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/15/2022 10:48:01 AM	65502
Surr: BFB	117	70-130		%Rec	1	2/15/2022 10:48:01 AM	65502
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	2/15/2022 10:48:01 AM	65502
Toluene	ND	0.048		mg/Kg	1	2/15/2022 10:48:01 AM	65502
Ethylbenzene	ND	0.048		mg/Kg	1	2/15/2022 10:48:01 AM	65502
Xylenes, Total	ND	0.096		mg/Kg	1	2/15/2022 10:48:01 AM	65502
Surr: 4-Bromofluorobenzene	110	70-130		%Rec	1	2/15/2022 10:48:01 AM	65502

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

Qualifiers:

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

Analytical Report
Lab Order **2202574**
Date Reported: **2/24/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: TP5-2
Project: White IU Battery
Collection Date: 2/9/2022 1:35:00 PM
Lab ID: 2202574-013 **Matrix:** SOIL **Received Date:** 2/11/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	930	60		mg/Kg	20	2/17/2022 1:28:03 PM	65614
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	2/16/2022 3:00:10 AM	65518
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	2/16/2022 3:00:10 AM	65518
Surr: DNOP	102	51.1-141		%Rec	1	2/16/2022 3:00:10 AM	65518
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/15/2022 11:11:49 AM	65502
Surr: BFB	117	70-130		%Rec	1	2/15/2022 11:11:49 AM	65502
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	2/15/2022 11:11:49 AM	65502
Toluene	ND	0.049		mg/Kg	1	2/15/2022 11:11:49 AM	65502
Ethylbenzene	ND	0.049		mg/Kg	1	2/15/2022 11:11:49 AM	65502
Xylenes, Total	ND	0.097		mg/Kg	1	2/15/2022 11:11:49 AM	65502
Surr: 4-Bromofluorobenzene	109	70-130		%Rec	1	2/15/2022 11:11:49 AM	65502

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

Qualifiers:

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

Analytical Report
Lab Order **2202574**
Date Reported: **2/24/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Client Sample ID:** TP5-4
Project: White IU Battery **Collection Date:** 2/9/2022 1:40:00 PM
Lab ID: 2202574-014 **Matrix:** SOIL **Received Date:** 2/11/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	540	60		mg/Kg	20	2/17/2022 1:40:23 PM	65614
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	2/16/2022 3:10:42 AM	65518
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/16/2022 3:10:42 AM	65518
Surr: DNOP	96.5	51.1-141		%Rec	1	2/16/2022 3:10:42 AM	65518
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/14/2022 1:45:00 PM	65505
Surr: BFB	101	70-130		%Rec	1	2/14/2022 1:45:00 PM	65505
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.025		mg/Kg	1	2/14/2022 1:45:00 PM	65505
Toluene	ND	0.049		mg/Kg	1	2/14/2022 1:45:00 PM	65505
Ethylbenzene	ND	0.049		mg/Kg	1	2/14/2022 1:45:00 PM	65505
Xylenes, Total	ND	0.098		mg/Kg	1	2/14/2022 1:45:00 PM	65505
Surr: 4-Bromofluorobenzene	89.0	70-130		%Rec	1	2/14/2022 1:45:00 PM	65505

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

Qualifiers:

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

Analytical Report
Lab Order **2202574**
Date Reported: **2/24/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Client Sample ID:** TP6-2
Project: White IU Battery **Collection Date:** 2/9/2022 2:20:00 PM
Lab ID: 2202574-015 **Matrix:** SOIL **Received Date:** 2/11/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	830	60		mg/Kg	20	2/17/2022 1:52:44 PM	65614
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	2/16/2022 3:21:11 AM	65518
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/16/2022 3:21:11 AM	65518
Surr: DNOP	95.9	51.1-141		%Rec	1	2/16/2022 3:21:11 AM	65518
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/14/2022 2:05:00 PM	65505
Surr: BFB	96.8	70-130		%Rec	1	2/14/2022 2:05:00 PM	65505
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.025		mg/Kg	1	2/14/2022 2:05:00 PM	65505
Toluene	ND	0.050		mg/Kg	1	2/14/2022 2:05:00 PM	65505
Ethylbenzene	ND	0.050		mg/Kg	1	2/14/2022 2:05:00 PM	65505
Xylenes, Total	ND	0.099		mg/Kg	1	2/14/2022 2:05:00 PM	65505
Surr: 4-Bromofluorobenzene	85.8	70-130		%Rec	1	2/14/2022 2:05:00 PM	65505

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

Qualifiers:

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

Analytical Report
Lab Order **2202574**
Date Reported: **2/24/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Client Sample ID:** TP6-4
Project: White IU Battery **Collection Date:** 2/9/2022 2:25:00 PM
Lab ID: 2202574-016 **Matrix:** SOIL **Received Date:** 2/11/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	380	60		mg/Kg	20	2/17/2022 2:05:05 PM	65614
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	2/15/2022 1:39:44 PM	65519
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/15/2022 1:39:44 PM	65519
Surr: DNOP	93.2	51.1-141		%Rec	1	2/15/2022 1:39:44 PM	65519
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/14/2022 3:05:00 PM	65505
Surr: BFB	95.8	70-130		%Rec	1	2/14/2022 3:05:00 PM	65505
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.025		mg/Kg	1	2/14/2022 3:05:00 PM	65505
Toluene	ND	0.049		mg/Kg	1	2/14/2022 3:05:00 PM	65505
Ethylbenzene	ND	0.049		mg/Kg	1	2/14/2022 3:05:00 PM	65505
Xylenes, Total	ND	0.098		mg/Kg	1	2/14/2022 3:05:00 PM	65505
Surr: 4-Bromofluorobenzene	84.7	70-130		%Rec	1	2/14/2022 3:05:00 PM	65505

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

Qualifiers:

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

Analytical Report
Lab Order **2202574**
Date Reported: **2/24/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Client Sample ID:** TP7-2
Project: White IU Battery **Collection Date:** 2/9/2022 2:50:00 PM
Lab ID: 2202574-017 **Matrix:** SOIL **Received Date:** 2/11/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	60		mg/Kg	20	2/17/2022 2:42:08 PM	65614
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	2/15/2022 1:50:25 PM	65519
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/15/2022 1:50:25 PM	65519
Surr: DNOP	90.3	51.1-141		%Rec	1	2/15/2022 1:50:25 PM	65519
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/14/2022 3:24:00 PM	65505
Surr: BFB	101	70-130		%Rec	1	2/14/2022 3:24:00 PM	65505
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.025		mg/Kg	1	2/14/2022 3:24:00 PM	65505
Toluene	ND	0.050		mg/Kg	1	2/14/2022 3:24:00 PM	65505
Ethylbenzene	ND	0.050		mg/Kg	1	2/14/2022 3:24:00 PM	65505
Xylenes, Total	ND	0.10		mg/Kg	1	2/14/2022 3:24:00 PM	65505
Surr: 4-Bromofluorobenzene	86.6	70-130		%Rec	1	2/14/2022 3:24:00 PM	65505

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

Qualifiers:

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

Analytical Report
Lab Order **2202574**
Date Reported: **2/24/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Client Sample ID:** TP7-S
Project: White IU Battery **Collection Date:** 2/9/2022 2:55:00 PM
Lab ID: 2202574-018 **Matrix:** SOIL **Received Date:** 2/11/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	60		mg/Kg	20	2/17/2022 3:19:10 PM	65614
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	2/15/2022 2:01:09 PM	65519
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	2/15/2022 2:01:09 PM	65519
Surr: DNOP	97.9	51.1-141		%Rec	1	2/15/2022 2:01:09 PM	65519
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/14/2022 4:23:00 PM	65505
Surr: BFB	95.0	70-130		%Rec	1	2/14/2022 4:23:00 PM	65505
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.025		mg/Kg	1	2/14/2022 4:23:00 PM	65505
Toluene	ND	0.050		mg/Kg	1	2/14/2022 4:23:00 PM	65505
Ethylbenzene	ND	0.050		mg/Kg	1	2/14/2022 4:23:00 PM	65505
Xylenes, Total	ND	0.099		mg/Kg	1	2/14/2022 4:23:00 PM	65505
Surr: 4-Bromofluorobenzene	81.6	70-130		%Rec	1	2/14/2022 4:23:00 PM	65505

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

Qualifiers:

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

Analytical Report
Lab Order **2202574**
Date Reported: **2/24/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Client Sample ID:** TP8-2
Project: White IU Battery **Collection Date:** 2/9/2022 3:10:00 PM
Lab ID: 2202574-019 **Matrix:** SOIL **Received Date:** 2/11/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	1200	60		mg/Kg	20	2/17/2022 3:31:32 PM	65614
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	2/15/2022 2:11:53 PM	65519
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/15/2022 2:11:53 PM	65519
Surr: DNOP	93.0	51.1-141		%Rec	1	2/15/2022 2:11:53 PM	65519
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/14/2022 4:43:00 PM	65505
Surr: BFB	95.3	70-130		%Rec	1	2/14/2022 4:43:00 PM	65505
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.024		mg/Kg	1	2/14/2022 4:43:00 PM	65505
Toluene	ND	0.049		mg/Kg	1	2/14/2022 4:43:00 PM	65505
Ethylbenzene	ND	0.049		mg/Kg	1	2/14/2022 4:43:00 PM	65505
Xylenes, Total	ND	0.097		mg/Kg	1	2/14/2022 4:43:00 PM	65505
Surr: 4-Bromofluorobenzene	83.1	70-130		%Rec	1	2/14/2022 4:43:00 PM	65505

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

Qualifiers:

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

Analytical Report
Lab Order **2202574**
Date Reported: **2/24/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Client Sample ID:** TP8-6
Project: White IU Battery **Collection Date:** 2/9/2022 3:20:00 PM
Lab ID: 2202574-020 **Matrix:** SOIL **Received Date:** 2/11/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	3600	150		mg/Kg	50	2/18/2022 2:03:40 PM	65614
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	8.3		mg/Kg	1	2/15/2022 2:22:40 PM	65519
Motor Oil Range Organics (MRO)	ND	41		mg/Kg	1	2/15/2022 2:22:40 PM	65519
Surr: DNOP	101	51.1-141		%Rec	1	2/15/2022 2:22:40 PM	65519
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/14/2022 5:03:00 PM	65505
Surr: BFB	99.9	70-130		%Rec	1	2/14/2022 5:03:00 PM	65505
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.025		mg/Kg	1	2/14/2022 5:03:00 PM	65505
Toluene	ND	0.050		mg/Kg	1	2/14/2022 5:03:00 PM	65505
Ethylbenzene	ND	0.050		mg/Kg	1	2/14/2022 5:03:00 PM	65505
Xylenes, Total	ND	0.099		mg/Kg	1	2/14/2022 5:03:00 PM	65505
Surr: 4-Bromofluorobenzene	87.2	70-130		%Rec	1	2/14/2022 5:03:00 PM	65505

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

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2202574**
24-Feb-22

Client: GHD Midland
Project: White IU Battery

Sample ID: **MB-65610** SampType: **mblk** TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS** Batch ID: **65610** RunNo: **85918**
Prep Date: **2/17/2022** Analysis Date: **2/17/2022** SeqNo: **3025704** Units: **mg/Kg**

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

Sample ID: **LCS-65610** SampType: **lcs** TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS** Batch ID: **65610** RunNo: **85918**
Prep Date: **2/17/2022** Analysis Date: **2/17/2022** SeqNo: **3025705** 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			

Sample ID: **MB-65614** SampType: **mblk** TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS** Batch ID: **65614** RunNo: **85919**
Prep Date: **2/17/2022** Analysis Date: **2/17/2022** SeqNo: **3025798** Units: **mg/Kg**

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

Sample ID: **LCS-65614** SampType: **lcs** TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS** Batch ID: **65614** RunNo: **85919**
Prep Date: **2/17/2022** Analysis Date: **2/17/2022** SeqNo: **3025799** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.3	90	110			

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2202574**
24-Feb-22

Client: GHD Midland
Project: White IU Battery

Sample ID: **2202574-016AMS** SampType: **MS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **TP6-4** Batch ID: **65519** RunNo: **85857**
Prep Date: **2/14/2022** Analysis Date: **2/15/2022** SeqNo: **3023439** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	40	9.1	45.62	6.201	74.0	39.3	155			
Surr: DNOP	3.2		4.562		70.4	51.1	141			

Sample ID: **2202574-016AMSD** SampType: **MSD** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **TP6-4** Batch ID: **65519** RunNo: **85857**
Prep Date: **2/14/2022** Analysis Date: **2/15/2022** SeqNo: **3023440** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	40	9.4	46.90	6.201	72.2	39.3	155	0.322	23.4	
Surr: DNOP	3.3		4.690		70.6	51.1	141	0	0	

Sample ID: **LCS-65519** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **65519** RunNo: **85857**
Prep Date: **2/14/2022** Analysis Date: **2/15/2022** SeqNo: **3023482** 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	135			
Surr: DNOP	4.5		5.000		90.2	51.1	141			

Sample ID: **MB-65519** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS** Batch ID: **65519** RunNo: **85857**
Prep Date: **2/14/2022** Analysis Date: **2/15/2022** SeqNo: **3023484** 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		104	51.1	141			

Sample ID: **LCS-65518** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **65518** RunNo: **85859**
Prep Date: **2/14/2022** Analysis Date: **2/15/2022** SeqNo: **3023641** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	10	50.00	0	83.7	68.9	135			
Surr: DNOP	4.0		5.000		79.6	51.1	141			

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2202574**
24-Feb-22

Client: GHD Midland
Project: White IU Battery

Sample ID: **MB-65518**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **65518**	RunNo: **85859**
Prep Date: **2/14/2022**	Analysis Date: **2/15/2022**	SeqNo: **3023643** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.6		10.00		95.7	51.1	141			

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2202574**
24-Feb-22

Client: GHD Midland
Project: White IU Battery

Sample ID: **mb-65502**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **PBS**	Batch ID: **65502**	RunNo: **85817**							
Prep Date: **2/11/2022**	Analysis Date: **2/14/2022**	SeqNo: **3021859**	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-65502**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **LCSS**	Batch ID: **65502**	RunNo: **85817**							
Prep Date: **2/11/2022**	Analysis Date: **2/14/2022**	SeqNo: **3021860**	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	105	78.6	131			
Surr: BFB	1300		1000		131	70	130			S

Sample ID: **lcs-65505**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **LCSS**	Batch ID: **65505**	RunNo: **85820**							
Prep Date: **2/11/2022**	Analysis Date: **2/14/2022**	SeqNo: **3021948**	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		117	70	130			

Sample ID: **mb-65505**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **PBS**	Batch ID: **65505**	RunNo: **85820**							
Prep Date: **2/11/2022**	Analysis Date: **2/14/2022**	SeqNo: **3021949**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		104	70	130			

Sample ID: **2202574-016AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **TP6-4**	Batch ID: **65505**	RunNo: **85820**							
Prep Date: **2/11/2022**	Analysis Date: **2/14/2022**	SeqNo: **3021953**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	4.9	24.56	0	100	70	130	13.0	20	
Surr: BFB	1100		982.3		112	70	130	0	0	

Sample ID: **2202574-016AMS**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **TP6-4**	Batch ID: **65505**	RunNo: **85820**							
Prep Date: **2/11/2022**	Analysis Date: **2/14/2022**	SeqNo: **3022464**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2202574**
24-Feb-22

Client: GHD Midland
Project: White IU Battery

Sample ID: **2202574-016AMS** SampType: **MS** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **TP6-4** Batch ID: **65505** RunNo: **85820**
Prep Date: **2/11/2022** Analysis Date: **2/14/2022** SeqNo: **3022464** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	24.88	0	113	70	130			
Surr: BFB	1100		995.0		111	70	130			

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2202574**
24-Feb-22

Client: GHD Midland
Project: White IU Battery

Sample ID: **mb-65502**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **65502**	RunNo: **85817**
Prep Date: **2/11/2022**	Analysis Date: **2/14/2022**	SeqNo: **3021906** 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		112	70	130			

Sample ID: **LCS-65502**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **65502**	RunNo: **85817**
Prep Date: **2/11/2022**	Analysis Date: **2/14/2022**	SeqNo: **3021907** 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	95.6	80	120			
Toluene	0.99	0.050	1.000	0	98.9	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	1.1		1.000		112	70	130			

Sample ID: **lcs-65505**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **65505**	RunNo: **85820**
Prep Date: **2/11/2022**	Analysis Date: **2/14/2022**	SeqNo: **3022000** 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	95.4	80	120			
Toluene	0.95	0.050	1.000	0	94.8	80	120			
Ethylbenzene	0.95	0.050	1.000	0	94.7	80	120			
Xylenes, Total	2.8	0.10	3.000	0	94.3	80	120			
Surr: 4-Bromofluorobenzene	0.91		1.000		91.3	70	130			

Sample ID: **mb-65505**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **65505**	RunNo: **85820**
Prep Date: **2/11/2022**	Analysis Date: **2/14/2022**	SeqNo: **3022001** 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	0.90		1.000		90.3	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 Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2202574**
24-Feb-22

Client: GHD Midland
Project: White IU Battery

Sample ID: **2202574-017ams** SampType: **MS** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **TP7-2** Batch ID: **65505** RunNo: **85820**
Prep Date: **2/11/2022** Analysis Date: **2/14/2022** SeqNo: **3022006** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.025	0.9960	0	97.4	80	120			
Toluene	0.97	0.050	0.9960	0	97.6	80	120			
Ethylbenzene	0.98	0.050	0.9960	0	98.1	80	120			
Xylenes, Total	2.9	0.10	2.988	0	97.2	80	120			
Surr: 4-Bromofluorobenzene	0.85		0.9960		85.5	70	130			

Sample ID: **2202574-017amsd** SampType: **MSD** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **TP7-2** Batch ID: **65505** RunNo: **85820**
Prep Date: **2/11/2022** Analysis Date: **2/14/2022** SeqNo: **3022007** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.024	0.9709	0	94.6	80	120	5.50	20	
Toluene	0.92	0.049	0.9709	0	94.5	80	120	5.69	20	
Ethylbenzene	0.92	0.049	0.9709	0	94.8	80	120	6.04	20	
Xylenes, Total	2.7	0.097	2.913	0	93.8	80	120	6.14	20	
Surr: 4-Bromofluorobenzene	0.80		0.9709		82.4	70	130	0	0	

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: GHD Midland | Work Order Number: 2202574 | RcptNo: 1

Received By: Tracy Casarrubias 2/11/2022 8:00:00 AM

Completed By: Tracy Casarrubias 2/11/2022 9:59:45 AM

Reviewed By: KPG 2/11/22

Chain of Custody

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

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	# of preserved bottles checked for pH: (<2 or >12 unless noted)
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	Adjusted?
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	Checked by: JA 2/11/22

Special Handling (if applicable)

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

Person Notified: _____ Date: _____

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

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.9	Good	Yes			

Chain-of-Custody Record

1 of 2

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

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: White Ice Battery

Project #: 12574107

Project Manager: Becky Haskell, Tom Larson

Sampler: Zach Comino

On Ice: X Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 3.9-0=3.9

HEAL No. 2202574

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chloride Sec
02/5/22	0750	S	TP1-6	Jar		001	X	X									X
	0830		TP1-14			002											
	0905		TP1-19			003											
	0920		TP2-2			004											
	1005		TP2-14			005											
	1025		TP2-18			006											
	1045		TP3-2			007											
	1120		TP3-14			008											
	1140		TP3-19			009											
	1250		TP4-2			010											
	1255		TP4-4			011											
	1305		TP4-8			012											

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
02/6/22	0800	Zach Comino				
2/10/22	1900				2/10/22	800
					2/11/22	9:00

Remarks: Please email: Chase_Settle@eogresources.com; Tom.Larson@ghd.com; Zach.Comino@ghd.com Matthew.Laughlin@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.

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: White Ill Battery

Project #: 12574103

Project Manager:

Becky Haskell

Tom Larson

Sampler: Zach Comino

On Ice: X Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 3.9 -0 = 3.9

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2202574	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chloride 1220
2/09/22	1335	S	TP5-2	Jar		013											
	1340		TP5-4			014											
	1420		TP6-2			015											
	1425		TP6-4			016											
	1450		TP7-2			017											
	1455		TP7-5			018											
	1510		TP8-2			019											
	1520		TP8-6			020											

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
2/10/22	0800	Zach Comino				
2/10/22	1900				2/11/22	800

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

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

February 24, 2022

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

RE: White IU Battery OrderNo.: 2202644

Dear Becky Haskell:

Hall Environmental Analysis Laboratory received 33 sample(s) on 2/12/2022 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued February 23, 2022.

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

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

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2202644**
Date Reported: **2/24/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: TP8-14
Project: White IU Battery
Collection Date: 2/10/2022 7:50:00 AM
Lab ID: 2202644-001 **Matrix:** SOIL **Received Date:** 2/12/2022 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**LRN**
Chloride	5600	300		mg/Kg	100	2/20/2022 8:44:18 PM	65662
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**SB**
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	2/18/2022 9:07:19 PM	65565
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	2/18/2022 9:07:19 PM	65565
Surr: DNOP	136	51.1-141		%Rec	1	2/18/2022 9:07:19 PM	65565
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/16/2022 7:25:38 PM	65540
Surr: BFB	141	70-130	S	%Rec	1	2/16/2022 7:25:38 PM	65540
EPA METHOD 8021B: VOLATILES						Analyst:	**NSB**
Benzene	ND	0.024		mg/Kg	1	2/16/2022 7:25:38 PM	65540
Toluene	ND	0.049		mg/Kg	1	2/16/2022 7:25:38 PM	65540
Ethylbenzene	ND	0.049		mg/Kg	1	2/16/2022 7:25:38 PM	65540
Xylenes, Total	ND	0.097		mg/Kg	1	2/16/2022 7:25:38 PM	65540
Surr: 4-Bromofluorobenzene	109	70-130		%Rec	1	2/16/2022 7:25:38 PM	65540

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

Qualifiers:

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

Analytical Report
Lab Order **2202644**
Date Reported: **2/24/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: TP8-19
Project: White IU Battery
Collection Date: 2/10/2022 8:30:00 AM
Lab ID: 2202644-002 **Matrix:** SOIL **Received Date:** 2/12/2022 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LRN**	
Chloride	5000	150		mg/Kg	50	2/20/2022 8:56:43 PM	65662
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	2/17/2022 9:03:44 AM	65565
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/17/2022 9:03:44 AM	65565
Surr: DNOP	92.8	51.1-141		%Rec	1	2/17/2022 9:03:44 AM	65565
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/16/2022 8:36:54 PM	65540
Surr: BFB	113	70-130		%Rec	1	2/16/2022 8:36:54 PM	65540
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	2/16/2022 8:36:54 PM	65540
Toluene	ND	0.048		mg/Kg	1	2/16/2022 8:36:54 PM	65540
Ethylbenzene	ND	0.048		mg/Kg	1	2/16/2022 8:36:54 PM	65540
Xylenes, Total	ND	0.096		mg/Kg	1	2/16/2022 8:36:54 PM	65540
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	2/16/2022 8:36:54 PM	65540

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

Qualifiers:

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

Analytical Report
Lab Order **2202644**
Date Reported: **2/24/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: TP9-2
Project: White IU Battery
Collection Date: 2/10/2022 8:45:00 AM
Lab ID: 2202644-003 **Matrix:** SOIL **Received Date:** 2/12/2022 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	2/19/2022 2:08:40 AM	65662
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	2/17/2022 9:14:12 AM	65565
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/17/2022 9:14:12 AM	65565
Surr: DNOP	89.5	51.1-141		%Rec	1	2/17/2022 9:14:12 AM	65565
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/16/2022 9:48:00 PM	65540
Surr: BFB	118	70-130		%Rec	1	2/16/2022 9:48:00 PM	65540
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	2/16/2022 9:48:00 PM	65540
Toluene	ND	0.049		mg/Kg	1	2/16/2022 9:48:00 PM	65540
Ethylbenzene	ND	0.049		mg/Kg	1	2/16/2022 9:48:00 PM	65540
Xylenes, Total	ND	0.099		mg/Kg	1	2/16/2022 9:48:00 PM	65540
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	2/16/2022 9:48:00 PM	65540

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

Qualifiers:

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

Analytical Report
Lab Order **2202644**
Date Reported: **2/24/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: TP9-S
Project: White IU Battery
Collection Date: 2/10/2022 8:50:00 AM
Lab ID: 2202644-004 **Matrix:** SOIL **Received Date:** 2/12/2022 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	2/19/2022 2:21:04 AM	65662
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	2/17/2022 9:24:41 AM	65565
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/17/2022 9:24:41 AM	65565
Surr: DNOP	84.8	51.1-141		%Rec	1	2/17/2022 9:24:41 AM	65565
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/16/2022 10:11:37 PM	65540
Surr: BFB	115	70-130		%Rec	1	2/16/2022 10:11:37 PM	65540
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	2/16/2022 10:11:37 PM	65540
Toluene	ND	0.048		mg/Kg	1	2/16/2022 10:11:37 PM	65540
Ethylbenzene	ND	0.048		mg/Kg	1	2/16/2022 10:11:37 PM	65540
Xylenes, Total	ND	0.097		mg/Kg	1	2/16/2022 10:11:37 PM	65540
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	2/16/2022 10:11:37 PM	65540

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

Qualifiers:

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

Analytical Report
Lab Order **2202644**
Date Reported: **2/24/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: TP10-2
Project: White IU Battery
Collection Date: 2/10/2022 9:00:00 AM
Lab ID: 2202644-005 **Matrix:** SOIL **Received Date:** 2/12/2022 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	910	60		mg/Kg	20	2/19/2022 2:33:29 AM	65662
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	2/17/2022 9:35:31 AM	65565
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/17/2022 9:35:31 AM	65565
Surr: DNOP	89.2	51.1-141		%Rec	1	2/17/2022 9:35:31 AM	65565
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/16/2022 10:35:22 PM	65540
Surr: BFB	115	70-130		%Rec	1	2/16/2022 10:35:22 PM	65540
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	2/16/2022 10:35:22 PM	65540
Toluene	ND	0.048		mg/Kg	1	2/16/2022 10:35:22 PM	65540
Ethylbenzene	ND	0.048		mg/Kg	1	2/16/2022 10:35:22 PM	65540
Xylenes, Total	ND	0.096		mg/Kg	1	2/16/2022 10:35:22 PM	65540
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	2/16/2022 10:35:22 PM	65540

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

Qualifiers:

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

Analytical Report
Lab Order **2202644**
Date Reported: **2/24/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: TP10-8
Project: White IU Battery
Collection Date: 2/10/2022 9:20:00 AM
Lab ID: 2202644-006 **Matrix:** SOIL **Received Date:** 2/12/2022 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	410	60		mg/Kg	20	2/19/2022 2:45:53 AM	65662
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	2/17/2022 10:10:36 AM	65565
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/17/2022 10:10:36 AM	65565
Surr: DNOP	87.4	51.1-141		%Rec	1	2/17/2022 10:10:36 AM	65565
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/16/2022 10:58:59 PM	65540
Surr: BFB	112	70-130		%Rec	1	2/16/2022 10:58:59 PM	65540
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	2/16/2022 10:58:59 PM	65540
Toluene	ND	0.048		mg/Kg	1	2/16/2022 10:58:59 PM	65540
Ethylbenzene	ND	0.048		mg/Kg	1	2/16/2022 10:58:59 PM	65540
Xylenes, Total	ND	0.096		mg/Kg	1	2/16/2022 10:58:59 PM	65540
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	2/16/2022 10:58:59 PM	65540

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

Qualifiers:

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

Analytical Report
Lab Order **2202644**
Date Reported: **2/24/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: TP11-2
Project: White IU Battery
Collection Date: 2/10/2022 10:00:00 AM
Lab ID: 2202644-007 **Matrix:** SOIL **Received Date:** 2/12/2022 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	2/19/2022 2:58:17 AM	65662
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	2/17/2022 10:21:03 AM	65565
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/17/2022 10:21:03 AM	65565
Surr: DNOP	82.2	51.1-141		%Rec	1	2/17/2022 10:21:03 AM	65565
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/16/2022 11:22:34 PM	65540
Surr: BFB	112	70-130		%Rec	1	2/16/2022 11:22:34 PM	65540
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	2/16/2022 11:22:34 PM	65540
Toluene	ND	0.048		mg/Kg	1	2/16/2022 11:22:34 PM	65540
Ethylbenzene	ND	0.048		mg/Kg	1	2/16/2022 11:22:34 PM	65540
Xylenes, Total	ND	0.096		mg/Kg	1	2/16/2022 11:22:34 PM	65540
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	2/16/2022 11:22:34 PM	65540

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

Qualifiers:

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

Analytical Report
Lab Order **2202644**
Date Reported: **2/24/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: TP11-S
Project: White IU Battery
Collection Date: 2/10/2022 10:05:00 AM
Lab ID: 2202644-008 **Matrix:** SOIL **Received Date:** 2/12/2022 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	2/19/2022 3:10:41 AM	65662
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	2/16/2022 9:44:47 PM	65557
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/16/2022 9:44:47 PM	65557
Surr: DNOP	113	51.1-141		%Rec	1	2/16/2022 9:44:47 PM	65557
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/16/2022 10:32:00 AM	65544
Surr: BFB	105	70-130		%Rec	1	2/16/2022 10:32:00 AM	65544
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.024		mg/Kg	1	2/16/2022 10:32:00 AM	65544
Toluene	ND	0.048		mg/Kg	1	2/16/2022 10:32:00 AM	65544
Ethylbenzene	ND	0.048		mg/Kg	1	2/16/2022 10:32:00 AM	65544
Xylenes, Total	ND	0.097		mg/Kg	1	2/16/2022 10:32:00 AM	65544
Surr: 4-Bromofluorobenzene	91.9	70-130		%Rec	1	2/16/2022 10:32:00 AM	65544

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

Qualifiers:

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

Analytical Report
Lab Order **2202644**
Date Reported: **2/24/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Client Sample ID:** TP12-2
Project: White IU Battery **Collection Date:** 2/10/2022 10:15:00 AM
Lab ID: 2202644-009 **Matrix:** SOIL **Received Date:** 2/12/2022 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LRN**	
Chloride	5800	300		mg/Kg	100	2/20/2022 9:09:08 PM	65662
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	2/16/2022 9:55:24 PM	65557
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/16/2022 9:55:24 PM	65557
Surr: DNOP	106	51.1-141		%Rec	1	2/16/2022 9:55:24 PM	65557
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/16/2022 11:32:00 AM	65544
Surr: BFB	104	70-130		%Rec	1	2/16/2022 11:32:00 AM	65544
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.024		mg/Kg	1	2/16/2022 11:32:00 AM	65544
Toluene	ND	0.049		mg/Kg	1	2/16/2022 11:32:00 AM	65544
Ethylbenzene	ND	0.049		mg/Kg	1	2/16/2022 11:32:00 AM	65544
Xylenes, Total	ND	0.097		mg/Kg	1	2/16/2022 11:32:00 AM	65544
Surr: 4-Bromofluorobenzene	88.2	70-130		%Rec	1	2/16/2022 11:32:00 AM	65544

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

Qualifiers:

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

Analytical Report
Lab Order **2202644**
Date Reported: **2/24/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: TP12-10
Project: White IU Battery
Collection Date: 2/10/2022 10:35:00 AM
Lab ID: 2202644-010 **Matrix:** SOIL **Received Date:** 2/12/2022 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	12000	600		mg/Kg	200	2/21/2022 7:51:17 AM	65663
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	2/16/2022 10:05:59 PM	65557
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/16/2022 10:05:59 PM	65557
Surr: DNOP	118	51.1-141		%Rec	1	2/16/2022 10:05:59 PM	65557
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/16/2022 12:31:00 PM	65544
Surr: BFB	105	70-130		%Rec	1	2/16/2022 12:31:00 PM	65544
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.024		mg/Kg	1	2/16/2022 12:31:00 PM	65544
Toluene	ND	0.049		mg/Kg	1	2/16/2022 12:31:00 PM	65544
Ethylbenzene	ND	0.049		mg/Kg	1	2/16/2022 12:31:00 PM	65544
Xylenes, Total	ND	0.097		mg/Kg	1	2/16/2022 12:31:00 PM	65544
Surr: 4-Bromofluorobenzene	87.9	70-130		%Rec	1	2/16/2022 12:31:00 PM	65544

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

Qualifiers:

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

Analytical Report
Lab Order **2202644**
Date Reported: **2/24/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: TP12-19
Project: White IU Battery
Collection Date: 2/10/2022 11:15:00 AM
Lab ID: 2202644-011 **Matrix:** SOIL **Received Date:** 2/12/2022 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	5000	150		mg/Kg	50	2/21/2022 8:03:40 AM	65663
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	8.6		mg/Kg	1	2/16/2022 10:16:38 PM	65557
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	2/16/2022 10:16:38 PM	65557
Surr: DNOP	140	51.1-141		%Rec	1	2/16/2022 10:16:38 PM	65557
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	2/16/2022 12:51:00 PM	65544
Surr: BFB	102	70-130		%Rec	1	2/16/2022 12:51:00 PM	65544
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.023		mg/Kg	1	2/16/2022 12:51:00 PM	65544
Toluene	ND	0.046		mg/Kg	1	2/16/2022 12:51:00 PM	65544
Ethylbenzene	ND	0.046		mg/Kg	1	2/16/2022 12:51:00 PM	65544
Xylenes, Total	ND	0.091		mg/Kg	1	2/16/2022 12:51:00 PM	65544
Surr: 4-Bromofluorobenzene	87.5	70-130		%Rec	1	2/16/2022 12:51:00 PM	65544

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

Qualifiers:

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

Analytical Report
Lab Order **2202644**
Date Reported: **2/24/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: TP13-2
Project: White IU Battery
Collection Date: 2/10/2022 11:30:00 AM
Lab ID: 2202644-012 **Matrix:** SOIL **Received Date:** 2/12/2022 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LRN**	
Chloride	310	60		mg/Kg	20	2/20/2022 4:11:17 PM	65663
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	2/16/2022 10:27:15 PM	65557
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/16/2022 10:27:15 PM	65557
Surr: DNOP	81.6	51.1-141		%Rec	1	2/16/2022 10:27:15 PM	65557
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/16/2022 1:11:00 PM	65544
Surr: BFB	99.4	70-130		%Rec	1	2/16/2022 1:11:00 PM	65544
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.025		mg/Kg	1	2/16/2022 1:11:00 PM	65544
Toluene	ND	0.049		mg/Kg	1	2/16/2022 1:11:00 PM	65544
Ethylbenzene	ND	0.049		mg/Kg	1	2/16/2022 1:11:00 PM	65544
Xylenes, Total	ND	0.098		mg/Kg	1	2/16/2022 1:11:00 PM	65544
Surr: 4-Bromofluorobenzene	83.5	70-130		%Rec	1	2/16/2022 1:11:00 PM	65544

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

Qualifiers:

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

Analytical Report
Lab Order **2202644**
Date Reported: **2/24/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: TP13-S
Project: White IU Battery
Collection Date: 2/10/2022 11:40:00 AM
Lab ID: 2202644-013 **Matrix:** SOIL **Received Date:** 2/12/2022 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LRN**	
Chloride	ND	60		mg/Kg	20	2/20/2022 4:23:42 PM	65663
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	2/16/2022 10:37:49 PM	65557
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/16/2022 10:37:49 PM	65557
Surr: DNOP	77.5	51.1-141		%Rec	1	2/16/2022 10:37:49 PM	65557
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	2/16/2022 1:31:00 PM	65544
Surr: BFB	100	70-130		%Rec	1	2/16/2022 1:31:00 PM	65544
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.023		mg/Kg	1	2/16/2022 1:31:00 PM	65544
Toluene	ND	0.046		mg/Kg	1	2/16/2022 1:31:00 PM	65544
Ethylbenzene	ND	0.046		mg/Kg	1	2/16/2022 1:31:00 PM	65544
Xylenes, Total	ND	0.092		mg/Kg	1	2/16/2022 1:31:00 PM	65544
Surr: 4-Bromofluorobenzene	81.8	70-130		%Rec	1	2/16/2022 1:31:00 PM	65544

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

Qualifiers:

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

Analytical Report
Lab Order **2202644**
Date Reported: **2/24/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: TP14-2
Project: White IU Battery
Collection Date: 2/10/2022 1:00:00 PM
Lab ID: 2202644-014 **Matrix:** SOIL **Received Date:** 2/12/2022 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	5200	150		mg/Kg	50	2/21/2022 8:16:05 AM	65663
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	2/16/2022 10:48:26 PM	65557
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/16/2022 10:48:26 PM	65557
Surr: DNOP	115	51.1-141		%Rec	1	2/16/2022 10:48:26 PM	65557
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/16/2022 1:50:00 PM	65544
Surr: BFB	102	70-130		%Rec	1	2/16/2022 1:50:00 PM	65544
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.024		mg/Kg	1	2/16/2022 1:50:00 PM	65544
Toluene	ND	0.048		mg/Kg	1	2/16/2022 1:50:00 PM	65544
Ethylbenzene	ND	0.048		mg/Kg	1	2/16/2022 1:50:00 PM	65544
Xylenes, Total	ND	0.096		mg/Kg	1	2/16/2022 1:50:00 PM	65544
Surr: 4-Bromofluorobenzene	88.0	70-130		%Rec	1	2/16/2022 1:50:00 PM	65544

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

Qualifiers:

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

Analytical Report
Lab Order **2202644**
Date Reported: **2/24/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Client Sample ID:** TP14-14
Project: White IU Battery **Collection Date:** 2/10/2022 1:35:00 PM
Lab ID: 2202644-015 **Matrix:** SOIL **Received Date:** 2/12/2022 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	5300	300		mg/Kg	100	2/21/2022 8:28:29 AM	65663
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	2/16/2022 10:59:01 PM	65557
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/16/2022 10:59:01 PM	65557
Surr: DNOP	96.4	51.1-141		%Rec	1	2/16/2022 10:59:01 PM	65557
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/16/2022 2:10:00 PM	65544
Surr: BFB	98.5	70-130		%Rec	1	2/16/2022 2:10:00 PM	65544
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.025		mg/Kg	1	2/16/2022 2:10:00 PM	65544
Toluene	ND	0.049		mg/Kg	1	2/16/2022 2:10:00 PM	65544
Ethylbenzene	ND	0.049		mg/Kg	1	2/16/2022 2:10:00 PM	65544
Xylenes, Total	ND	0.098		mg/Kg	1	2/16/2022 2:10:00 PM	65544
Surr: 4-Bromofluorobenzene	85.7	70-130		%Rec	1	2/16/2022 2:10:00 PM	65544

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

Qualifiers:

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

Analytical Report
Lab Order **2202644**
Date Reported: **2/24/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: TP14-18
Project: White IU Battery
Collection Date: 2/10/2022 1:50:00 PM
Lab ID: 2202644-016 **Matrix:** SOIL **Received Date:** 2/12/2022 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	4100	150		mg/Kg	50	2/21/2022 8:40:53 AM	65663
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	2/16/2022 11:09:32 PM	65557
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/16/2022 11:09:32 PM	65557
Surr: DNOP	91.5	51.1-141		%Rec	1	2/16/2022 11:09:32 PM	65557
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/16/2022 2:30:00 PM	65544
Surr: BFB	104	70-130		%Rec	1	2/16/2022 2:30:00 PM	65544
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.024		mg/Kg	1	2/16/2022 2:30:00 PM	65544
Toluene	ND	0.049		mg/Kg	1	2/16/2022 2:30:00 PM	65544
Ethylbenzene	ND	0.049		mg/Kg	1	2/16/2022 2:30:00 PM	65544
Xylenes, Total	ND	0.098		mg/Kg	1	2/16/2022 2:30:00 PM	65544
Surr: 4-Bromofluorobenzene	88.8	70-130		%Rec	1	2/16/2022 2:30:00 PM	65544

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

Qualifiers:

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

Analytical Report
Lab Order **2202644**
Date Reported: **2/24/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: TP15-2
Project: White IU Battery
Collection Date: 2/10/2022 2:05:00 PM
Lab ID: 2202644-017 **Matrix:** SOIL **Received Date:** 2/12/2022 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LRN**	
Chloride	ND	60		mg/Kg	20	2/20/2022 5:38:08 PM	65663
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	2/16/2022 3:20:37 PM	65563
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/16/2022 3:20:37 PM	65563
Surr: DNOP	87.9	51.1-141		%Rec	1	2/16/2022 3:20:37 PM	65563
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/16/2022 2:50:00 PM	65544
Surr: BFB	102	70-130		%Rec	1	2/16/2022 2:50:00 PM	65544
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.024		mg/Kg	1	2/16/2022 2:50:00 PM	65544
Toluene	ND	0.048		mg/Kg	1	2/16/2022 2:50:00 PM	65544
Ethylbenzene	ND	0.048		mg/Kg	1	2/16/2022 2:50:00 PM	65544
Xylenes, Total	ND	0.096		mg/Kg	1	2/16/2022 2:50:00 PM	65544
Surr: 4-Bromofluorobenzene	87.1	70-130		%Rec	1	2/16/2022 2:50:00 PM	65544

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

Qualifiers:

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

Analytical Report
Lab Order **2202644**
Date Reported: **2/24/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: TP15-S
Project: White IU Battery
Collection Date: 2/10/2022 2:10:00 PM
Lab ID: 2202644-018 **Matrix:** SOIL **Received Date:** 2/12/2022 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LRN**	
Chloride	ND	60		mg/Kg	20	2/20/2022 5:50:33 PM	65663
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	2/16/2022 3:31:19 PM	65563
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/16/2022 3:31:19 PM	65563
Surr: DNOP	62.6	51.1-141		%Rec	1	2/16/2022 3:31:19 PM	65563
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/16/2022 4:09:00 PM	65544
Surr: BFB	104	70-130		%Rec	1	2/16/2022 4:09:00 PM	65544
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.024		mg/Kg	1	2/16/2022 4:09:00 PM	65544
Toluene	ND	0.048		mg/Kg	1	2/16/2022 4:09:00 PM	65544
Ethylbenzene	ND	0.048		mg/Kg	1	2/16/2022 4:09:00 PM	65544
Xylenes, Total	ND	0.095		mg/Kg	1	2/16/2022 4:09:00 PM	65544
Surr: 4-Bromofluorobenzene	87.6	70-130		%Rec	1	2/16/2022 4:09:00 PM	65544

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

Qualifiers:

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

Analytical Report
Lab Order **2202644**
Date Reported: **2/24/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Client Sample ID:** TP16-2
Project: White IU Battery **Collection Date:** 2/10/2022 2:30:00 PM
Lab ID: 2202644-019 **Matrix:** SOIL **Received Date:** 2/12/2022 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**LRN**
Chloride	860	60		mg/Kg	20	2/20/2022 6:02:58 PM	65663
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**SB**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	2/16/2022 3:42:02 PM	65563
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/16/2022 3:42:02 PM	65563
Surr: DNOP	85.2	51.1-141		%Rec	1	2/16/2022 3:42:02 PM	65563
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/16/2022 4:29:00 PM	65544
Surr: BFB	99.0	70-130		%Rec	1	2/16/2022 4:29:00 PM	65544
EPA METHOD 8021B: VOLATILES						Analyst:	**RAA**
Benzene	ND	0.025		mg/Kg	1	2/16/2022 4:29:00 PM	65544
Toluene	ND	0.049		mg/Kg	1	2/16/2022 4:29:00 PM	65544
Ethylbenzene	ND	0.049		mg/Kg	1	2/16/2022 4:29:00 PM	65544
Xylenes, Total	ND	0.099		mg/Kg	1	2/16/2022 4:29:00 PM	65544
Surr: 4-Bromofluorobenzene	84.4	70-130		%Rec	1	2/16/2022 4:29:00 PM	65544

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

Qualifiers:

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

Analytical Report
Lab Order **2202644**
Date Reported: **2/24/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Client Sample ID:** TP16-4
Project: White IU Battery **Collection Date:** 2/10/2022 2:35:00 PM
Lab ID: 2202644-020 **Matrix:** SOIL **Received Date:** 2/12/2022 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LRN**	
Chloride	800	60		mg/Kg	20	2/20/2022 6:15:22 PM	65663
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	2/16/2022 3:52:45 PM	65563
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/16/2022 3:52:45 PM	65563
Surr: DNOP	89.0	51.1-141		%Rec	1	2/16/2022 3:52:45 PM	65563
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/16/2022 4:49:00 PM	65544
Surr: BFB	95.5	70-130		%Rec	1	2/16/2022 4:49:00 PM	65544
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.023		mg/Kg	1	2/16/2022 4:49:00 PM	65544
Toluene	ND	0.047		mg/Kg	1	2/16/2022 4:49:00 PM	65544
Ethylbenzene	ND	0.047		mg/Kg	1	2/16/2022 4:49:00 PM	65544
Xylenes, Total	ND	0.093		mg/Kg	1	2/16/2022 4:49:00 PM	65544
Surr: 4-Bromofluorobenzene	85.2	70-130		%Rec	1	2/16/2022 4:49:00 PM	65544

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

Qualifiers:

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

Analytical Report
Lab Order **2202644**
Date Reported: **2/24/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: TP16-19
Project: White IU Battery
Collection Date: 2/10/2022 3:20:00 PM
Lab ID: 2202644-021 **Matrix:** SOIL **Received Date:** 2/12/2022 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**LRN**
Chloride	770	60		mg/Kg	20	2/20/2022 6:27:47 PM	65663
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**SB**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	2/16/2022 4:24:10 PM	65563
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/16/2022 4:24:10 PM	65563
Surr: DNOP	81.5	51.1-141		%Rec	1	2/16/2022 4:24:10 PM	65563
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**RAA**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	2/16/2022 5:08:00 PM	65544
Surr: BFB	93.5	70-130		%Rec	1	2/16/2022 5:08:00 PM	65544
EPA METHOD 8021B: VOLATILES						Analyst:	**RAA**
Benzene	ND	0.023		mg/Kg	1	2/16/2022 5:08:00 PM	65544
Toluene	ND	0.046		mg/Kg	1	2/16/2022 5:08:00 PM	65544
Ethylbenzene	ND	0.046		mg/Kg	1	2/16/2022 5:08:00 PM	65544
Xylenes, Total	ND	0.091		mg/Kg	1	2/16/2022 5:08:00 PM	65544
Surr: 4-Bromofluorobenzene	81.2	70-130		%Rec	1	2/16/2022 5:08:00 PM	65544

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

Qualifiers:

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

Analytical Report
Lab Order **2202644**
Date Reported: **2/24/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: TP17-2
Project: White IU Battery
Collection Date: 2/10/2022 3:45:00 PM
Lab ID: 2202644-022 **Matrix:** SOIL **Received Date:** 2/12/2022 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**LRN**
Chloride	ND	60		mg/Kg	20	2/20/2022 6:40:12 PM	65663
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**SB**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	2/16/2022 4:34:51 PM	65563
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/16/2022 4:34:51 PM	65563
Surr: DNOP	95.2	51.1-141		%Rec	1	2/16/2022 4:34:51 PM	65563
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/16/2022 5:28:00 PM	65544
Surr: BFB	98.2	70-130		%Rec	1	2/16/2022 5:28:00 PM	65544
EPA METHOD 8021B: VOLATILES						Analyst:	**RAA**
Benzene	ND	0.025		mg/Kg	1	2/16/2022 5:28:00 PM	65544
Toluene	ND	0.049		mg/Kg	1	2/16/2022 5:28:00 PM	65544
Ethylbenzene	ND	0.049		mg/Kg	1	2/16/2022 5:28:00 PM	65544
Xylenes, Total	ND	0.099		mg/Kg	1	2/16/2022 5:28:00 PM	65544
Surr: 4-Bromofluorobenzene	83.4	70-130		%Rec	1	2/16/2022 5:28:00 PM	65544

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

Qualifiers:

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

Analytical Report
Lab Order **2202644**
Date Reported: **2/24/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Client Sample ID:** TP17-S
Project: White IU Battery **Collection Date:** 2/10/2022 3:50:00 PM
Lab ID: 2202644-023 **Matrix:** SOIL **Received Date:** 2/12/2022 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LRN**	
Chloride	ND	60		mg/Kg	20	2/20/2022 6:52:37 PM	65663
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	2/16/2022 4:45:32 PM	65563
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/16/2022 4:45:32 PM	65563
Surr: DNOP	87.0	51.1-141		%Rec	1	2/16/2022 4:45:32 PM	65563
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/16/2022 5:48:00 PM	65544
Surr: BFB	109	70-130		%Rec	1	2/16/2022 5:48:00 PM	65544
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.025		mg/Kg	1	2/16/2022 5:48:00 PM	65544
Toluene	ND	0.049		mg/Kg	1	2/16/2022 5:48:00 PM	65544
Ethylbenzene	ND	0.049		mg/Kg	1	2/16/2022 5:48:00 PM	65544
Xylenes, Total	ND	0.098		mg/Kg	1	2/16/2022 5:48:00 PM	65544
Surr: 4-Bromofluorobenzene	91.6	70-130		%Rec	1	2/16/2022 5:48:00 PM	65544

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

Qualifiers:

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

Analytical Report
Lab Order **2202644**
Date Reported: **2/24/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: TP16-12
Project: White IU Battery
Collection Date: 2/10/2022 3:00:00 PM
Lab ID: 2202644-024 **Matrix:** SOIL **Received Date:** 2/12/2022 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**LRN**
Chloride	920	60		mg/Kg	20	2/20/2022 7:29:51 PM	65663
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**SB**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	2/16/2022 4:56:15 PM	65563
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/16/2022 4:56:15 PM	65563
Surr: DNOP	88.4	51.1-141		%Rec	1	2/16/2022 4:56:15 PM	65563
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**RAA**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	2/16/2022 6:08:00 PM	65544
Surr: BFB	103	70-130		%Rec	1	2/16/2022 6:08:00 PM	65544
EPA METHOD 8021B: VOLATILES						Analyst:	**RAA**
Benzene	ND	0.023		mg/Kg	1	2/16/2022 6:08:00 PM	65544
Toluene	ND	0.046		mg/Kg	1	2/16/2022 6:08:00 PM	65544
Ethylbenzene	ND	0.046		mg/Kg	1	2/16/2022 6:08:00 PM	65544
Xylenes, Total	ND	0.092		mg/Kg	1	2/16/2022 6:08:00 PM	65544
Surr: 4-Bromofluorobenzene	89.4	70-130		%Rec	1	2/16/2022 6:08:00 PM	65544

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

Qualifiers:

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

Analytical Report
Lab Order **2202644**
Date Reported: **2/24/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: TP18-2
Project: White IU Battery
Collection Date: 2/11/2022 7:15:00 AM
Lab ID: 2202644-025 **Matrix:** SOIL **Received Date:** 2/12/2022 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**LRN**
Chloride	ND	60		mg/Kg	20	2/20/2022 7:42:15 PM	65663
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**SB**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	2/16/2022 5:06:59 PM	65563
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/16/2022 5:06:59 PM	65563
Surr: DNOP	108	51.1-141		%Rec	1	2/16/2022 5:06:59 PM	65563
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/16/2022 6:28:00 PM	65544
Surr: BFB	102	70-130		%Rec	1	2/16/2022 6:28:00 PM	65544
EPA METHOD 8021B: VOLATILES						Analyst:	**RAA**
Benzene	ND	0.024		mg/Kg	1	2/16/2022 6:28:00 PM	65544
Toluene	ND	0.048		mg/Kg	1	2/16/2022 6:28:00 PM	65544
Ethylbenzene	ND	0.048		mg/Kg	1	2/16/2022 6:28:00 PM	65544
Xylenes, Total	ND	0.096		mg/Kg	1	2/16/2022 6:28:00 PM	65544
Surr: 4-Bromofluorobenzene	87.4	70-130		%Rec	1	2/16/2022 6:28:00 PM	65544

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

Qualifiers:

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

Analytical Report
Lab Order **2202644**
Date Reported: **2/24/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: TP18-S
Project: White IU Battery
Collection Date: 2/11/2022 7:20:00 AM
Lab ID: 2202644-026 **Matrix:** SOIL **Received Date:** 2/12/2022 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**LRN**
Chloride	ND	60		mg/Kg	20	2/20/2022 7:54:40 PM	65663
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**SB**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	2/16/2022 5:17:43 PM	65563
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/16/2022 5:17:43 PM	65563
Surr: DNOP	84.5	51.1-141		%Rec	1	2/16/2022 5:17:43 PM	65563
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/16/2022 6:48:00 PM	65544
Surr: BFB	105	70-130		%Rec	1	2/16/2022 6:48:00 PM	65544
EPA METHOD 8021B: VOLATILES						Analyst:	**RAA**
Benzene	ND	0.024		mg/Kg	1	2/16/2022 6:48:00 PM	65544
Toluene	ND	0.049		mg/Kg	1	2/16/2022 6:48:00 PM	65544
Ethylbenzene	ND	0.049		mg/Kg	1	2/16/2022 6:48:00 PM	65544
Xylenes, Total	ND	0.097		mg/Kg	1	2/16/2022 6:48:00 PM	65544
Surr: 4-Bromofluorobenzene	89.7	70-130		%Rec	1	2/16/2022 6:48:00 PM	65544

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

Qualifiers:

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

Analytical Report
Lab Order **2202644**
Date Reported: **2/24/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: TP19-2
Project: White IU Battery
Collection Date: 2/11/2022 7:30:00 AM
Lab ID: 2202644-027 **Matrix:** SOIL **Received Date:** 2/12/2022 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LRN**	
Chloride	1800	60		mg/Kg	20	2/20/2022 8:07:05 PM	65663
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	2/16/2022 5:28:26 PM	65563
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/16/2022 5:28:26 PM	65563
Surr: DNOP	76.1	51.1-141		%Rec	1	2/16/2022 5:28:26 PM	65563
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/16/2022 7:08:00 PM	65544
Surr: BFB	102	70-130		%Rec	1	2/16/2022 7:08:00 PM	65544
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.025		mg/Kg	1	2/16/2022 7:08:00 PM	65544
Toluene	ND	0.050		mg/Kg	1	2/16/2022 7:08:00 PM	65544
Ethylbenzene	ND	0.050		mg/Kg	1	2/16/2022 7:08:00 PM	65544
Xylenes, Total	ND	0.099		mg/Kg	1	2/16/2022 7:08:00 PM	65544
Surr: 4-Bromofluorobenzene	89.2	70-130		%Rec	1	2/16/2022 7:08:00 PM	65544

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

Qualifiers:

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

Analytical Report
Lab Order **2202644**
Date Reported: **2/24/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: TP19-8
Project: White IU Battery
Collection Date: 2/11/2022 7:50:00 AM
Lab ID: 2202644-028 **Matrix:** SOIL **Received Date:** 2/12/2022 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**LRN**
Chloride	170	60		mg/Kg	20	2/20/2022 8:19:29 PM	65663
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**SB**
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	2/16/2022 5:39:10 PM	65563
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	2/16/2022 5:39:10 PM	65563
Surr: DNOP	70.0	51.1-141		%Rec	1	2/16/2022 5:39:10 PM	65563
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/17/2022 1:43:57 AM	65558
Surr: BFB	114	70-130		%Rec	1	2/17/2022 1:43:57 AM	65558
EPA METHOD 8021B: VOLATILES						Analyst:	**NSB**
Benzene	ND	0.025		mg/Kg	1	2/17/2022 1:43:57 AM	65558
Toluene	ND	0.050		mg/Kg	1	2/17/2022 1:43:57 AM	65558
Ethylbenzene	ND	0.050		mg/Kg	1	2/17/2022 1:43:57 AM	65558
Xylenes, Total	ND	0.10		mg/Kg	1	2/17/2022 1:43:57 AM	65558
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	2/17/2022 1:43:57 AM	65558

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

Qualifiers:

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

Analytical Report
Lab Order **2202644**
Date Reported: **2/24/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: TP20-2
Project: White IU Battery
Collection Date: 2/11/2022 8:25:00 AM
Lab ID: 2202644-029 **Matrix:** SOIL **Received Date:** 2/12/2022 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**LRN**
Chloride	190	60		mg/Kg	20	2/20/2022 8:31:53 PM	65663
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**SB**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	2/16/2022 5:50:01 PM	65563
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/16/2022 5:50:01 PM	65563
Surr: DNOP	67.4	51.1-141		%Rec	1	2/16/2022 5:50:01 PM	65563
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/17/2022 2:54:25 AM	65558
Surr: BFB	109	70-130		%Rec	1	2/17/2022 2:54:25 AM	65558
EPA METHOD 8021B: VOLATILES						Analyst:	**NSB**
Benzene	ND	0.024		mg/Kg	1	2/17/2022 2:54:25 AM	65558
Toluene	ND	0.048		mg/Kg	1	2/17/2022 2:54:25 AM	65558
Ethylbenzene	ND	0.048		mg/Kg	1	2/17/2022 2:54:25 AM	65558
Xylenes, Total	ND	0.097		mg/Kg	1	2/17/2022 2:54:25 AM	65558
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	2/17/2022 2:54:25 AM	65558

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

Qualifiers:

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

Analytical Report
Lab Order **2202644**
Date Reported: **2/24/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: TP20-S
Project: White IU Battery
Collection Date: 2/11/2022 8:30:00 AM
Lab ID: 2202644-030 **Matrix:** SOIL **Received Date:** 2/12/2022 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	2/20/2022 10:42:09 AM	65667
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	2/16/2022 6:00:50 PM	65563
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/16/2022 6:00:50 PM	65563
Surr: DNOP	81.3	51.1-141		%Rec	1	2/16/2022 6:00:50 PM	65563
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/17/2022 4:04:40 AM	65558
Surr: BFB	109	70-130		%Rec	1	2/17/2022 4:04:40 AM	65558
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	2/17/2022 4:04:40 AM	65558
Toluene	ND	0.049		mg/Kg	1	2/17/2022 4:04:40 AM	65558
Ethylbenzene	ND	0.049		mg/Kg	1	2/17/2022 4:04:40 AM	65558
Xylenes, Total	ND	0.098		mg/Kg	1	2/17/2022 4:04:40 AM	65558
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	2/17/2022 4:04:40 AM	65558

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

Qualifiers:

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

Analytical Report
Lab Order **2202644**
Date Reported: **2/24/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: TP21-2
Project: White IU Battery
Collection Date: 2/11/2022 9:30:00 AM
Lab ID: 2202644-031 **Matrix:** SOIL **Received Date:** 2/12/2022 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	350	60		mg/Kg	20	2/20/2022 11:19:11 AM	65667
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	2/16/2022 6:11:41 PM	65563
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/16/2022 6:11:41 PM	65563
Surr: DNOP	76.3	51.1-141		%Rec	1	2/16/2022 6:11:41 PM	65563
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/17/2022 4:28:05 AM	65558
Surr: BFB	108	70-130		%Rec	1	2/17/2022 4:28:05 AM	65558
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	2/17/2022 4:28:05 AM	65558
Toluene	ND	0.050		mg/Kg	1	2/17/2022 4:28:05 AM	65558
Ethylbenzene	ND	0.050		mg/Kg	1	2/17/2022 4:28:05 AM	65558
Xylenes, Total	ND	0.099		mg/Kg	1	2/17/2022 4:28:05 AM	65558
Surr: 4-Bromofluorobenzene	98.7	70-130		%Rec	1	2/17/2022 4:28:05 AM	65558

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

Qualifiers:

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

Analytical Report
Lab Order **2202644**
Date Reported: **2/24/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: TP21-S
Project: White IU Battery
Collection Date: 2/11/2022 9:35:00 AM
Lab ID: 2202644-032 **Matrix:** SOIL **Received Date:** 2/12/2022 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	2/20/2022 11:31:32 AM	65667
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	20	9.8		mg/Kg	1	2/16/2022 6:22:29 PM	65563
Motor Oil Range Organics (MRO)	54	49		mg/Kg	1	2/16/2022 6:22:29 PM	65563
Surr: DNOP	120	51.1-141		%Rec	1	2/16/2022 6:22:29 PM	65563
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/17/2022 9:39:06 AM	65558
Surr: BFB	107	70-130		%Rec	1	2/17/2022 9:39:06 AM	65558
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	2/17/2022 9:39:06 AM	65558
Toluene	ND	0.050		mg/Kg	1	2/17/2022 9:39:06 AM	65558
Ethylbenzene	ND	0.050		mg/Kg	1	2/17/2022 9:39:06 AM	65558
Xylenes, Total	ND	0.10		mg/Kg	1	2/17/2022 9:39:06 AM	65558
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	2/17/2022 9:39:06 AM	65558

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

Qualifiers:

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

Analytical Report
Lab Order **2202644**
Date Reported: **2/24/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: TP22-2
Project: White IU Battery
Collection Date: 2/11/2022 10:00:00 AM
Lab ID: 2202644-033 **Matrix:** SOIL **Received Date:** 2/12/2022 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	880	60		mg/Kg	20	2/20/2022 11:43:52 AM	65667
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	2/18/2022 6:20:58 PM	65563
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/18/2022 6:20:58 PM	65563
Surr: DNOP	117	51.1-141		%Rec	1	2/18/2022 6:20:58 PM	65563
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/17/2022 10:06:21 AM	65558
Surr: BFB	106	70-130		%Rec	1	2/17/2022 10:06:21 AM	65558
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	2/17/2022 10:06:21 AM	65558
Toluene	ND	0.050		mg/Kg	1	2/17/2022 10:06:21 AM	65558
Ethylbenzene	ND	0.050		mg/Kg	1	2/17/2022 10:06:21 AM	65558
Xylenes, Total	ND	0.099		mg/Kg	1	2/17/2022 10:06:21 AM	65558
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	2/17/2022 10:06:21 AM	65558

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

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2202644**
24-Feb-22

Client: GHD Midland
Project: White IU Battery

Sample ID: **LCS-65662** SampType: **lcs** TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS** Batch ID: **65662** RunNo: **85951**
Prep Date: **2/18/2022** Analysis Date: **2/18/2022** SeqNo: **3027620** 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-65662** SampType: **mblk** TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS** Batch ID: **65662** RunNo: **85951**
Prep Date: **2/18/2022** Analysis Date: **2/18/2022** SeqNo: **3027621** Units: **mg/Kg**

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

Sample ID: **MB-65663** SampType: **mblk** TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS** Batch ID: **65663** RunNo: **85954**
Prep Date: **2/18/2022** Analysis Date: **2/20/2022** SeqNo: **3027758** Units: **mg/Kg**

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

Sample ID: **LCS-65663** SampType: **lcs** TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS** Batch ID: **65663** RunNo: **85954**
Prep Date: **2/18/2022** Analysis Date: **2/20/2022** SeqNo: **3027759** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.5	90	110			

Sample ID: **MB-65667** SampType: **mblk** TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS** Batch ID: **65667** RunNo: **85955**
Prep Date: **2/20/2022** Analysis Date: **2/20/2022** SeqNo: **3027809** Units: **mg/Kg**

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

Sample ID: **LCS-65667** SampType: **lcs** TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS** Batch ID: **65667** RunNo: **85955**
Prep Date: **2/20/2022** Analysis Date: **2/20/2022** SeqNo: **3027810** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.1	90	110			

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2202644**
24-Feb-22

Client: GHD Midland
Project: White IU Battery

Sample ID: **2202644-017AMS** SampType: **MS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **TP15-2** Batch ID: **65563** RunNo: **85892**
Prep Date: **2/15/2022** Analysis Date: **2/16/2022** SeqNo: **3024719** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	9.3	46.73	4.980	87.9	39.3	155			
Surr: DNOP	4.0		4.673		85.1	51.1	141			

Sample ID: **2202644-017AMSD** SampType: **MSD** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **TP15-2** Batch ID: **65563** RunNo: **85892**
Prep Date: **2/15/2022** Analysis Date: **2/16/2022** SeqNo: **3024720** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	60	9.8	48.78	4.980	113	39.3	155	26.7	23.4	R
Surr: DNOP	4.2		4.878		85.3	51.1	141	0	0	

Sample ID: **LCS-65557** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **65557** RunNo: **85892**
Prep Date: **2/15/2022** Analysis Date: **2/16/2022** SeqNo: **3024742** 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	87.9	68.9	135			
Surr: DNOP	4.1		5.000		82.2	51.1	141			

Sample ID: **LCS-65563** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **65563** RunNo: **85892**
Prep Date: **2/15/2022** Analysis Date: **2/16/2022** SeqNo: **3024743** 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	135			
Surr: DNOP	4.3		5.000		85.4	51.1	141			

Sample ID: **LCS-65565** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **65565** RunNo: **85892**
Prep Date: **2/15/2022** Analysis Date: **2/16/2022** SeqNo: **3024744** 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	90.7	68.9	135			
Surr: DNOP	4.3		5.000		86.8	51.1	141			

Sample ID: **MB-65557** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS** Batch ID: **65557** RunNo: **85892**
Prep Date: **2/15/2022** Analysis Date: **2/16/2022** SeqNo: **3024747** Units: **mg/Kg**

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

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2202644**
24-Feb-22

Client: GHD Midland
Project: White IU Battery

Sample ID: **MB-65557**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **PBS**	Batch ID: **65557**	RunNo: **85892**							
Prep Date: **2/15/2022**	Analysis Date: **2/16/2022**	SeqNo: **3024747**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.4		10.00		94.0	51.1	141			

Sample ID: **MB-65563**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **PBS**	Batch ID: **65563**	RunNo: **85892**							
Prep Date: **2/15/2022**	Analysis Date: **2/16/2022**	SeqNo: **3024748**	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		91.6	51.1	141			

Sample ID: **MB-65565**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **PBS**	Batch ID: **65565**	RunNo: **85892**							
Prep Date: **2/15/2022**	Analysis Date: **2/16/2022**	SeqNo: **3024749**	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	51.1	141			

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2202644**
24-Feb-22

Client: GHD Midland
Project: White IU Battery

Sample ID: **mb-65540**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **PBS**	Batch ID: **65540**	RunNo: **85886**							
Prep Date: **2/14/2022**	Analysis Date: **2/16/2022**	SeqNo: **3024373**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		109	70	130			

Sample ID: **lcs-65540**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **LCSS**	Batch ID: **65540**	RunNo: **85886**							
Prep Date: **2/14/2022**	Analysis Date: **2/16/2022**	SeqNo: **3024374**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	103	78.6	131			
Surr: BFB	1300		1000		126	70	130			

Sample ID: **2202644-001ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **TP8-14**	Batch ID: **65540**	RunNo: **85886**							
Prep Date: **2/14/2022**	Analysis Date: **2/16/2022**	SeqNo: **3024389**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	4.9	24.68	2.583	93.5	70	130			
Surr: BFB	1300		987.2		129	70	130			

Sample ID: **2202644-001amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **TP8-14**	Batch ID: **65540**	RunNo: **85886**							
Prep Date: **2/14/2022**	Analysis Date: **2/16/2022**	SeqNo: **3024390**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	4.8	24.15	2.583	90.5	70	130	4.84	20	
Surr: BFB	1200		966.2		126	70	130	0	0	

Sample ID: **mb-65558**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **PBS**	Batch ID: **65558**	RunNo: **85886**							
Prep Date: **2/15/2022**	Analysis Date: **2/17/2022**	SeqNo: **3024397**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		109	70	130			

Sample ID: **lcs-65558**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **LCSS**	Batch ID: **65558**	RunNo: **85886**							
Prep Date: **2/15/2022**	Analysis Date: **2/17/2022**	SeqNo: **3024398**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2202644**
24-Feb-22

Client: GHD Midland
Project: White IU Battery

Sample ID: **lcs-65558** SampType: **LCS** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS** Batch ID: **65558** RunNo: **85886**
Prep Date: **2/15/2022** Analysis Date: **2/17/2022** SeqNo: **3024398** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	96.2	78.6	131			
Surr: BFB	1200		1000		122	70	130			

Sample ID: **2202644-028ams** SampType: **MS** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **TP19-8** Batch ID: **65558** RunNo: **85886**
Prep Date: **2/15/2022** Analysis Date: **2/17/2022** SeqNo: **3024400** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	24.88	0	103	70	130			
Surr: BFB	1200		995.0		123	70	130			

Sample ID: **2202644-028amsd** SampType: **MSD** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **TP19-8** Batch ID: **65558** RunNo: **85886**
Prep Date: **2/15/2022** Analysis Date: **2/17/2022** SeqNo: **3024401** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	24.90	0	103	70	130	0.289	20	
Surr: BFB	1300		996.0		127	70	130	0	0	

Sample ID: **lcs-65544** SampType: **LCS** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS** Batch ID: **65544** RunNo: **85891**
Prep Date: **2/14/2022** Analysis Date: **2/16/2022** SeqNo: **3024529** 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	100	78.6	131			
Surr: BFB	1100		1000		113	70	130			

Sample ID: **mb-65544** SampType: **MBLK** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS** Batch ID: **65544** RunNo: **85891**
Prep Date: **2/14/2022** Analysis Date: **2/16/2022** SeqNo: **3024530** 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: **2202644-008ams** SampType: **MS** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **TP11-S** Batch ID: **65544** RunNo: **85891**
Prep Date: **2/14/2022** Analysis Date: **2/16/2022** SeqNo: **3024532** Units: **mg/Kg**

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

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2202644**
24-Feb-22

Client: GHD Midland
Project: White IU Battery

Sample ID: **2202644-008ams** SampType: **MS** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **TP11-S** Batch ID: **65544** RunNo: **85891**
Prep Date: **2/14/2022** Analysis Date: **2/16/2022** SeqNo: **3024532** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	4.9	24.27	0	108	70	130			
Surr: BFB	1200		970.9		121	70	130			

Sample ID: **2202644-008amsd** SampType: **MSD** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **TP11-S** Batch ID: **65544** RunNo: **85891**
Prep Date: **2/14/2022** Analysis Date: **2/16/2022** SeqNo: **3024533** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	4.9	24.61	0	111	70	130	4.22	20	
Surr: BFB	1200		984.3		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 Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2202644**
24-Feb-22

Client: GHD Midland
Project: White IU Battery

Sample ID: **mb-65540** SampType: **MBLK** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS** Batch ID: **65540** RunNo: **85886**
Prep Date: **2/14/2022** Analysis Date: **2/16/2022** SeqNo: **3024421** Units: **mg/Kg**

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

Sample ID: **LCS-65540** SampType: **LCS** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS** Batch ID: **65540** RunNo: **85886**
Prep Date: **2/14/2022** Analysis Date: **2/16/2022** SeqNo: **3024422** 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	91.8	80	120			
Toluene	0.96	0.050	1.000	0	96.2	80	120			
Ethylbenzene	0.97	0.050	1.000	0	97.1	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.9	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		104	70	130			

Sample ID: **2202644-002ams** SampType: **MS** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **TP8-19** Batch ID: **65540** RunNo: **85886**
Prep Date: **2/14/2022** Analysis Date: **2/16/2022** SeqNo: **3024438** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.84	0.024	0.9569	0	88.0	80	120			
Toluene	0.89	0.048	0.9569	0	93.4	80	120			
Ethylbenzene	0.91	0.048	0.9569	0	95.3	80	120			
Xylenes, Total	2.8	0.096	2.871	0	96.2	80	120			
Surr: 4-Bromofluorobenzene	1.0		0.9569		107	70	130			

Sample ID: **2202644-002amsd** SampType: **MSD** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **TP8-19** Batch ID: **65540** RunNo: **85886**
Prep Date: **2/14/2022** Analysis Date: **2/16/2022** SeqNo: **3024439** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.77	0.024	0.9597	0	79.8	80	120	9.58	20	S
Toluene	0.81	0.048	0.9597	0	84.6	80	120	9.61	20	
Ethylbenzene	0.84	0.048	0.9597	0	87.4	80	120	8.32	20	
Xylenes, Total	2.6	0.096	2.879	0	89.2	80	120	7.23	20	
Surr: 4-Bromofluorobenzene	1.0		0.9597		106	70	130	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of 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#: **2202644**
24-Feb-22

Client: GHD Midland
Project: White IU Battery

Sample ID: **mb-65558**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **65558**	RunNo: **85886**
Prep Date: **2/15/2022**	Analysis Date: **2/17/2022**	SeqNo: **3024445** Units: **mg/Kg**

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

Sample ID: **LCS-65558**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **65558**	RunNo: **85886**
Prep Date: **2/15/2022**	Analysis Date: **2/17/2022**	SeqNo: **3024446** 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	90.7	80	120			
Toluene	0.95	0.050	1.000	0	94.6	80	120			
Ethylbenzene	0.96	0.050	1.000	0	96.2	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.6	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		107	70	130			

Sample ID: **2202644-029ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **TP20-2**	Batch ID: **65558**	RunNo: **85886**
Prep Date: **2/15/2022**	Analysis Date: **2/17/2022**	SeqNo: **3024449** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	0.9872	0	91.4	80	120			
Toluene	0.95	0.049	0.9872	0	96.5	80	120			
Ethylbenzene	0.97	0.049	0.9872	0	97.9	80	120			
Xylenes, Total	2.9	0.099	2.962	0	98.2	80	120			
Surr: 4-Bromofluorobenzene	1.0		0.9872		104	70	130			

Sample ID: **2202644-029amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **TP20-2**	Batch ID: **65558**	RunNo: **85886**
Prep Date: **2/15/2022**	Analysis Date: **2/17/2022**	SeqNo: **3024450** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.87	0.025	0.9930	0	87.3	80	120	3.99	20	
Toluene	0.91	0.050	0.9930	0	91.9	80	120	4.29	20	
Ethylbenzene	0.93	0.050	0.9930	0	93.3	80	120	4.21	20	
Xylenes, Total	2.8	0.099	2.979	0	93.4	80	120	4.37	20	
Surr: 4-Bromofluorobenzene	1.1		0.9930		106	70	130	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of 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#: **2202644**

24-Feb-22

Client: GHD Midland

Project: White IU Battery

Sample ID: **lcs-65544**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **65544**	RunNo: **85891**
Prep Date: **2/14/2022**	Analysis Date: **2/16/2022**	SeqNo: **3024587** 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	97.2	80	120			
Toluene	0.98	0.050	1.000	0	97.8	80	120			
Ethylbenzene	0.99	0.050	1.000	0	99.2	80	120			
Xylenes, Total	3.0	0.10	3.000	0	99.1	80	120			
Surr: 4-Bromofluorobenzene	0.91		1.000		90.8	70	130			

Sample ID: **mb-65544**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **65544**	RunNo: **85891**
Prep Date: **2/14/2022**	Analysis Date: **2/16/2022**	SeqNo: **3024588** 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	0.90		1.000		89.7	70	130			

Sample ID: **2202644-009ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **TP12-2**	Batch ID: **65544**	RunNo: **85891**
Prep Date: **2/14/2022**	Analysis Date: **2/16/2022**	SeqNo: **3024591** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.024	0.9551	0	95.3	80	120			
Toluene	0.96	0.048	0.9551	0	101	80	120			
Ethylbenzene	0.98	0.048	0.9551	0	103	80	120			
Xylenes, Total	2.9	0.096	2.865	0	103	80	120			
Surr: 4-Bromofluorobenzene	0.83		0.9551		86.6	70	130			

Sample ID: **2202644-009amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **TP12-2**	Batch ID: **65544**	RunNo: **85891**
Prep Date: **2/14/2022**	Analysis Date: **2/16/2022**	SeqNo: **3024592** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.024	0.9506	0	99.6	80	120	3.90	20	
Toluene	0.97	0.048	0.9506	0	102	80	120	1.05	20	
Ethylbenzene	0.98	0.048	0.9506	0	103	80	120	0.332	20	
Xylenes, Total	2.9	0.095	2.852	0	103	80	120	0.108	20	
Surr: 4-Bromofluorobenzene	0.83		0.9506		87.5	70	130	0	0	

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: GHD Midland | Work Order Number: 2202644 | RcptNo: 1

Received By: Isaiah Ortiz 2/12/2022 8:55:00 AM

Completed By: Tracy Casarrubias 2/14/2022 8:23:17 AM

Reviewed By:

Chain of Custody

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

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	# of preserved bottles checked for pH: (<2 or >12 unless noted)
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	Adjusted?
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	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: Called and confirmed that COC ~~for~~ names were accurate and to go ahead and dispose of the extra sample that wasn't on the COC. - TMC 2/15/22

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.4	Good	Yes			

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: White Ice Battery

Project #: 1574107

Project Manager:

Becky Haskell

Tom Larson

Sampler: Zach Comino

On Ice: X Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 2.4°C ±0°

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2202644	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chloride Method 300
021022	0750	S	TP8-14	Jar		001											
	0830		TP8-19			002											
	0845		TP9-2			003											
	0850		TP9-5			004											
	0900		TP10-2			005											
	0920		TP10-8			006											
	1000		TP11-2			007											
	1005		TP11-5			008											
	1015		TP12-2			009											
	1035		TP12-10			010											
	1115		TP12-19			011											
	1130		TP13-2			012											

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
2/11/22	0800	Zach Comino				
2/11/22	1700				2/11/22	800
		Relinquished by:	Received by:	Via:	Date	Time
				courier	2/12/22	0855

Remarks: Please email: Chase_Settle@eogresources.com; Tom.Larson@ghd.com; Zach.Comino@ghd.com Matthew.Laughlin@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.

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: White IH Battery

Project #: 125741.07

Project Manager:

Becky Haskell

Tom Larson

Sampler: Zach Comino

On Ice: X Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 2.4°C ±0

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chloride Method 300
2/1/22	1140	S	TP13-S	Jar		013	X	X									X
	1300		TP14-2			014											
	1335		TP14-14			015											
	1350		TP14-18			016											
	1405		TP15-2			017											
	1410		TP15-S			018											
	1430		TP16-2			019											
	1435		TP16-4			020											
	1520		TP16-19			021											
	1545		TP17-2			022											
	1550		TP17-S			~~029~~ 023											
	1500		TP16-12			024											

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
2/11/22	0800	Zach Comino			2/11/22	800
2/11/22	1900			courier	2/12/22	1030
				courier	2/14/22	0855

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

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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-Da

Project Name: White Ill Battery

Project #: 125741.07

Project Manager:

Becky Haskell

Tom Larson

Sampler: Zach Comino

On Ice: X Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 7.4°+0°

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chloride 300.0
2/1/22	0715	S	TP18-2	Jar		025	X	X									
	0720		TP18-S			026											
	0730		TP19-2			027											
	0750		TP19-S			028											
	0825		TP20-2			029											
	0830		TP20-S			030											
	0910		TP21-2			031											
	0915		TP21-S			032											
↓	1000	↓	TP22-2	↓		033	↓	↓								↓	
[redacted]			[redacted]														

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
2/1/22	0800	Zach Comino	[signature]		2/11/22	900
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
		[signature]	In Our courier		2/12/22	0855

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

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

April 15, 2022

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

RE: White IU Battery OrderNo.: 2204289

Dear Becky Haskell:

Hall Environmental Analysis Laboratory received 13 sample(s) on 4/7/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2204289**
Date Reported: **4/15/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: TP12-5
Project: White IU Battery
Collection Date: 4/5/2022 10:15:00 AM
Lab ID: 2204289-001 **Matrix:** SOIL **Received Date:** 4/7/2022 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	16000	610		mg/Kg	200	4/13/2022 5:58:24 PM	66808
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	4/8/2022 6:30:54 PM	66715
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/8/2022 6:30:54 PM	66715
Surr: DNOP	89.2	51.1-141		%Rec	1	4/8/2022 6:30:54 PM	66715
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/9/2022 1:53:27 AM	66697
Surr: BFB	94.5	37.7-212		%Rec	1	4/9/2022 1:53:27 AM	66697
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	4/9/2022 1:53:27 AM	66697
Toluene	ND	0.047		mg/Kg	1	4/9/2022 1:53:27 AM	66697
Ethylbenzene	ND	0.047		mg/Kg	1	4/9/2022 1:53:27 AM	66697
Xylenes, Total	ND	0.095		mg/Kg	1	4/9/2022 1:53:27 AM	66697
Surr: 4-Bromofluorobenzene	97.5	70-130		%Rec	1	4/9/2022 1:53:27 AM	66697

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

Qualifiers:

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

Analytical Report
Lab Order **2204289**
Date Reported: **4/15/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: TP12-6
Project: White IU Battery
Collection Date: 4/5/2022 10:20:00 AM
Lab ID: 2204289-002 **Matrix:** SOIL **Received Date:** 4/7/2022 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**JMT**
Chloride	11000	600		mg/Kg	200	4/13/2022 6:10:45 PM	66808
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**JME**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	4/8/2022 6:41:46 PM	66715
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/8/2022 6:41:46 PM	66715
Surr: DNOP	95.0	51.1-141		%Rec	1	4/8/2022 6:41:46 PM	66715
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/9/2022 2:16:55 AM	66697
Surr: BFB	96.8	37.7-212		%Rec	1	4/9/2022 2:16:55 AM	66697
EPA METHOD 8021B: VOLATILES						Analyst:	**NSB**
Benzene	ND	0.024		mg/Kg	1	4/9/2022 2:16:55 AM	66697
Toluene	ND	0.048		mg/Kg	1	4/9/2022 2:16:55 AM	66697
Ethylbenzene	ND	0.048		mg/Kg	1	4/9/2022 2:16:55 AM	66697
Xylenes, Total	ND	0.096		mg/Kg	1	4/9/2022 2:16:55 AM	66697
Surr: 4-Bromofluorobenzene	99.7	70-130		%Rec	1	4/9/2022 2:16:55 AM	66697

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

Qualifiers:

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

Analytical Report
Lab Order **2204289**
Date Reported: **4/15/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: TP12-7
Project: White IU Battery
Collection Date: 4/5/2022 10:25:00 AM
Lab ID: 2204289-003 **Matrix:** SOIL **Received Date:** 4/7/2022 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**JMT**
Chloride	11000	600		mg/Kg	200	4/13/2022 6:23:06 PM	66808
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**JME**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	4/8/2022 6:52:38 PM	66715
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/8/2022 6:52:38 PM	66715
Surr: DNOP	87.3	51.1-141		%Rec	1	4/8/2022 6:52:38 PM	66715
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/9/2022 2:40:12 AM	66697
Surr: BFB	95.7	37.7-212		%Rec	1	4/9/2022 2:40:12 AM	66697
EPA METHOD 8021B: VOLATILES						Analyst:	**NSB**
Benzene	ND	0.025		mg/Kg	1	4/9/2022 2:40:12 AM	66697
Toluene	ND	0.049		mg/Kg	1	4/9/2022 2:40:12 AM	66697
Ethylbenzene	ND	0.049		mg/Kg	1	4/9/2022 2:40:12 AM	66697
Xylenes, Total	ND	0.099		mg/Kg	1	4/9/2022 2:40:12 AM	66697
Surr: 4-Bromofluorobenzene	98.9	70-130		%Rec	1	4/9/2022 2:40:12 AM	66697

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

Qualifiers:

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

Analytical Report
Lab Order **2204289**
Date Reported: **4/15/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: TP12-8
Project: White IU Battery
Collection Date: 4/5/2022 10:30:00 AM
Lab ID: 2204289-004 **Matrix:** SOIL **Received Date:** 4/7/2022 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	11000	600		mg/Kg	200	4/15/2022 12:35:16 AM	66808
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	4/8/2022 7:03:29 PM	66715
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/8/2022 7:03:29 PM	66715
Surr: DNOP	102	51.1-141		%Rec	1	4/8/2022 7:03:29 PM	66715
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/9/2022 3:03:43 AM	66697
Surr: BFB	95.2	37.7-212		%Rec	1	4/9/2022 3:03:43 AM	66697
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.023		mg/Kg	1	4/9/2022 3:03:43 AM	66697
Toluene	ND	0.047		mg/Kg	1	4/9/2022 3:03:43 AM	66697
Ethylbenzene	ND	0.047		mg/Kg	1	4/9/2022 3:03:43 AM	66697
Xylenes, Total	ND	0.093		mg/Kg	1	4/9/2022 3:03:43 AM	66697
Surr: 4-Bromofluorobenzene	98.3	70-130		%Rec	1	4/9/2022 3:03:43 AM	66697

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

Qualifiers:

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

Analytical Report
Lab Order **2204289**
Date Reported: **4/15/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: TP12-9
Project: White IU Battery
Collection Date: 4/5/2022 10:35:00 AM
Lab ID: 2204289-005 **Matrix:** SOIL **Received Date:** 4/7/2022 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**JMT**
Chloride	14000	600		mg/Kg	200	4/13/2022 7:12:29 PM	66808
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**JME**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	4/8/2022 7:14:19 PM	66715
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/8/2022 7:14:19 PM	66715
Surr: DNOP	90.8	51.1-141		%Rec	1	4/8/2022 7:14:19 PM	66715
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	4/9/2022 3:27:16 AM	66697
Surr: BFB	94.8	37.7-212		%Rec	1	4/9/2022 3:27:16 AM	66697
EPA METHOD 8021B: VOLATILES						Analyst:	**NSB**
Benzene	ND	0.023		mg/Kg	1	4/9/2022 3:27:16 AM	66697
Toluene	ND	0.046		mg/Kg	1	4/9/2022 3:27:16 AM	66697
Ethylbenzene	ND	0.046		mg/Kg	1	4/9/2022 3:27:16 AM	66697
Xylenes, Total	ND	0.092		mg/Kg	1	4/9/2022 3:27:16 AM	66697
Surr: 4-Bromofluorobenzene	98.5	70-130		%Rec	1	4/9/2022 3:27:16 AM	66697

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

Qualifiers:

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

Analytical Report
Lab Order **2204289**
Date Reported: **4/15/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: TP12-11
Project: White IU Battery
Collection Date: 4/5/2022 10:50:00 AM
Lab ID: 2204289-006 **Matrix:** SOIL **Received Date:** 4/7/2022 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	13000	600		mg/Kg	200	4/13/2022 7:24:50 PM	66808
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	12	9.8		mg/Kg	1	4/8/2022 7:25:08 PM	66715
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/8/2022 7:25:08 PM	66715
Surr: DNOP	93.6	51.1-141		%Rec	1	4/8/2022 7:25:08 PM	66715
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/9/2022 3:50:37 AM	66697
Surr: BFB	95.5	37.7-212		%Rec	1	4/9/2022 3:50:37 AM	66697
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	4/9/2022 3:50:37 AM	66697
Toluene	ND	0.047		mg/Kg	1	4/9/2022 3:50:37 AM	66697
Ethylbenzene	ND	0.047		mg/Kg	1	4/9/2022 3:50:37 AM	66697
Xylenes, Total	ND	0.095		mg/Kg	1	4/9/2022 3:50:37 AM	66697
Surr: 4-Bromofluorobenzene	99.0	70-130		%Rec	1	4/9/2022 3:50:37 AM	66697

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

Qualifiers:

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

Analytical Report
Lab Order **2204289**
Date Reported: **4/15/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: TP12-12
Project: White IU Battery
Collection Date: 4/5/2022 10:55:00 AM
Lab ID: 2204289-007 **Matrix:** SOIL **Received Date:** 4/7/2022 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**JMT**
Chloride	8600	600		mg/Kg	200	4/13/2022 7:37:10 PM	66808
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**JME**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	4/8/2022 7:35:58 PM	66715
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/8/2022 7:35:58 PM	66715
Surr: DNOP	92.3	51.1-141		%Rec	1	4/8/2022 7:35:58 PM	66715
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/9/2022 4:14:09 AM	66697
Surr: BFB	95.0	37.7-212		%Rec	1	4/9/2022 4:14:09 AM	66697
EPA METHOD 8021B: VOLATILES						Analyst:	**NSB**
Benzene	ND	0.024		mg/Kg	1	4/9/2022 4:14:09 AM	66697
Toluene	ND	0.048		mg/Kg	1	4/9/2022 4:14:09 AM	66697
Ethylbenzene	ND	0.048		mg/Kg	1	4/9/2022 4:14:09 AM	66697
Xylenes, Total	ND	0.097		mg/Kg	1	4/9/2022 4:14:09 AM	66697
Surr: 4-Bromofluorobenzene	97.8	70-130		%Rec	1	4/9/2022 4:14:09 AM	66697

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

Qualifiers:

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

Analytical Report
Lab Order **2204289**
Date Reported: **4/15/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: TP12-13
Project: White IU Battery
Collection Date: 4/5/2022 11:00:00 AM
Lab ID: 2204289-008 **Matrix:** SOIL **Received Date:** 4/7/2022 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	9200	600		mg/Kg	200	4/13/2022 7:49:31 PM	66808
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	4/8/2022 7:46:46 PM	66715
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/8/2022 7:46:46 PM	66715
Surr: DNOP	92.5	51.1-141		%Rec	1	4/8/2022 7:46:46 PM	66715
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/9/2022 4:37:32 AM	66697
Surr: BFB	96.4	37.7-212		%Rec	1	4/9/2022 4:37:32 AM	66697
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.023		mg/Kg	1	4/9/2022 4:37:32 AM	66697
Toluene	ND	0.047		mg/Kg	1	4/9/2022 4:37:32 AM	66697
Ethylbenzene	ND	0.047		mg/Kg	1	4/9/2022 4:37:32 AM	66697
Xylenes, Total	ND	0.094		mg/Kg	1	4/9/2022 4:37:32 AM	66697
Surr: 4-Bromofluorobenzene	99.5	70-130		%Rec	1	4/9/2022 4:37:32 AM	66697

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

Qualifiers:

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

Analytical Report
Lab Order **2204289**
Date Reported: **4/15/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Client Sample ID:** TP12-14
Project: White IU Battery **Collection Date:** 4/5/2022 11:05:00 AM
Lab ID: 2204289-009 **Matrix:** SOIL **Received Date:** 4/7/2022 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**JMT**
Chloride	10000	600		mg/Kg	200	4/13/2022 8:01:52 PM	66808
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**JME**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	4/8/2022 7:57:32 PM	66715
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/8/2022 7:57:32 PM	66715
Surr: DNOP	82.4	51.1-141		%Rec	1	4/8/2022 7:57:32 PM	66715
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/9/2022 5:00:58 AM	66697
Surr: BFB	96.0	37.7-212		%Rec	1	4/9/2022 5:00:58 AM	66697
EPA METHOD 8021B: VOLATILES						Analyst:	**NSB**
Benzene	ND	0.024		mg/Kg	1	4/9/2022 5:00:58 AM	66697
Toluene	ND	0.048		mg/Kg	1	4/9/2022 5:00:58 AM	66697
Ethylbenzene	ND	0.048		mg/Kg	1	4/9/2022 5:00:58 AM	66697
Xylenes, Total	ND	0.096		mg/Kg	1	4/9/2022 5:00:58 AM	66697
Surr: 4-Bromofluorobenzene	99.7	70-130		%Rec	1	4/9/2022 5:00:58 AM	66697

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

Qualifiers:

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

Analytical Report
Lab Order **2204289**
Date Reported: **4/15/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: TP12-15
Project: White IU Battery
Collection Date: 4/5/2022 11:40:00 AM
Lab ID: 2204289-010 **Matrix:** SOIL **Received Date:** 4/7/2022 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	12000	600		mg/Kg	200	4/13/2022 8:14:11 PM	66808
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **ED**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	4/11/2022 12:23:18 PM	66742
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/11/2022 12:23:18 PM	66742
Surr: DNOP	92.4	51.1-141		%Rec	1	4/11/2022 12:23:18 PM	66742
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/11/2022 9:54:31 AM	66738
Surr: BFB	97.8	37.7-212		%Rec	1	4/11/2022 9:54:31 AM	66738
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	4/11/2022 9:54:31 AM	66738
Toluene	ND	0.050		mg/Kg	1	4/11/2022 9:54:31 AM	66738
Ethylbenzene	ND	0.050		mg/Kg	1	4/11/2022 9:54:31 AM	66738
Xylenes, Total	ND	0.099		mg/Kg	1	4/11/2022 9:54:31 AM	66738
Surr: 4-Bromofluorobenzene	99.8	70-130		%Rec	1	4/11/2022 9:54:31 AM	66738

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

Qualifiers:

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

Analytical Report
Lab Order **2204289**
Date Reported: **4/15/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: TP12-16
Project: White IU Battery
Collection Date: 4/5/2022 11:45:00 AM
Lab ID: 2204289-011 **Matrix:** SOIL **Received Date:** 4/7/2022 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	9600	590		mg/Kg	200	4/13/2022 8:26:32 PM	66808
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **ED**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	4/11/2022 1:36:21 PM	66742
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/11/2022 1:36:21 PM	66742
Surr: DNOP	88.2	51.1-141		%Rec	1	4/11/2022 1:36:21 PM	66742
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/11/2022 11:04:56 AM	66738
Surr: BFB	99.9	37.7-212		%Rec	1	4/11/2022 11:04:56 AM	66738
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	4/11/2022 11:04:56 AM	66738
Toluene	ND	0.049		mg/Kg	1	4/11/2022 11:04:56 AM	66738
Ethylbenzene	ND	0.049		mg/Kg	1	4/11/2022 11:04:56 AM	66738
Xylenes, Total	ND	0.097		mg/Kg	1	4/11/2022 11:04:56 AM	66738
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	4/11/2022 11:04:56 AM	66738

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

Qualifiers:

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

Analytical Report
Lab Order **2204289**
Date Reported: **4/15/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: TP12-17
Project: White IU Battery
Collection Date: 4/5/2022 11:50:00 AM
Lab ID: 2204289-012 **Matrix:** SOIL **Received Date:** 4/7/2022 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	7100	300		mg/Kg	100	4/13/2022 8:38:52 PM	66808
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **ED**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	4/11/2022 2:00:46 PM	66742
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	4/11/2022 2:00:46 PM	66742
Surr: DNOP	87.7	51.1-141		%Rec	1	4/11/2022 2:00:46 PM	66742
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/11/2022 12:15:36 PM	66738
Surr: BFB	96.6	37.7-212		%Rec	1	4/11/2022 12:15:36 PM	66738
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	4/11/2022 12:15:36 PM	66738
Toluene	ND	0.048		mg/Kg	1	4/11/2022 12:15:36 PM	66738
Ethylbenzene	ND	0.048		mg/Kg	1	4/11/2022 12:15:36 PM	66738
Xylenes, Total	ND	0.095		mg/Kg	1	4/11/2022 12:15:36 PM	66738
Surr: 4-Bromofluorobenzene	98.7	70-130		%Rec	1	4/11/2022 12:15:36 PM	66738

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

Qualifiers:

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

Analytical Report
Lab Order **2204289**
Date Reported: **4/15/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Client Sample ID: TP12-18
Project: White IU Battery
Collection Date: 4/5/2022 11:55:00 AM
Lab ID: 2204289-013 **Matrix:** SOIL **Received Date:** 4/7/2022 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	5800	300		mg/Kg	100	4/13/2022 8:51:12 PM	66808
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **ED**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	4/11/2022 2:25:23 PM	66742
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/11/2022 2:25:23 PM	66742
Surr: DNOP	67.8	51.1-141		%Rec	1	4/11/2022 2:25:23 PM	66742
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/11/2022 12:39:15 PM	66738
Surr: BFB	96.2	37.7-212		%Rec	1	4/11/2022 12:39:15 PM	66738
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	4/11/2022 12:39:15 PM	66738
Toluene	ND	0.049		mg/Kg	1	4/11/2022 12:39:15 PM	66738
Ethylbenzene	ND	0.049		mg/Kg	1	4/11/2022 12:39:15 PM	66738
Xylenes, Total	ND	0.098		mg/Kg	1	4/11/2022 12:39:15 PM	66738
Surr: 4-Bromofluorobenzene	97.5	70-130		%Rec	1	4/11/2022 12:39:15 PM	66738

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

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2204289**
15-Apr-22

Client: GHD Midland
Project: White IU Battery

Sample ID: **MB-66808**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **66808**	RunNo: **87208**							
Prep Date: **4/12/2022**	Analysis Date: **4/12/2022**	SeqNo: **3083651**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-66808**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **66808**	RunNo: **87208**							
Prep Date: **4/12/2022**	Analysis Date: **4/12/2022**	SeqNo: **3083652**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.8	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of 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#: **2204289**

15-Apr-22

Client: GHD Midland

Project: White IU Battery

Sample ID: **MB-66715**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **PBS**	Batch ID: **66715**	RunNo: **87125**							
Prep Date: **4/7/2022**	Analysis Date: **4/8/2022**	SeqNo: **3080356**	Units: **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	11		10.00		110	51.1	141			

Sample ID: **LCS-66715**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **LCSS**	Batch ID: **66715**	RunNo: **87125**							
Prep Date: **4/7/2022**	Analysis Date: **4/8/2022**	SeqNo: **3080358**	Units: **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	94.9	68.9	135			
Surr: DNOP	4.7		5.000		93.1	51.1	141			

Sample ID: **2204289-010AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **TP12-15**	Batch ID: **66742**	RunNo: **87160**							
Prep Date: **4/8/2022**	Analysis Date: **4/11/2022**	SeqNo: **3081772**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	9.3	46.38	0	91.7	36.1	154			
Surr: DNOP	4.1		4.638		88.9	51.1	141			

Sample ID: **2204289-010AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **TP12-15**	Batch ID: **66742**	RunNo: **87160**							
Prep Date: **4/8/2022**	Analysis Date: **4/11/2022**	SeqNo: **3081773**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	9.8	48.92	0	90.3	36.1	154	3.82	33.9	
Surr: DNOP	4.2		4.892		85.2	51.1	141	0	0	

Sample ID: **LCS-66742**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **LCSS**	Batch ID: **66742**	RunNo: **87160**							
Prep Date: **4/8/2022**	Analysis Date: **4/11/2022**	SeqNo: **3081816**	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	90.0	68.9	135			
Surr: DNOP	4.3		5.000		86.1	51.1	141			

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2204289**
15-Apr-22

Client: GHD Midland
Project: White IU Battery

Sample ID: **MB-66742** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS** Batch ID: **66742** RunNo: **87160**
Prep Date: **4/8/2022** Analysis Date: **4/11/2022** SeqNo: **3081819** 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	8.6		10.00		85.8	51.1	141			

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2204289**
15-Apr-22

Client: GHD Midland
Project: White IU Battery

Sample ID: **mb-66697**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **66697**	RunNo: **87123**
Prep Date: **4/7/2022**	Analysis Date: **4/8/2022**	SeqNo: **3080198** 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		95.5	37.7	212			

Sample ID: **lcs-66697**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **66697**	RunNo: **87123**
Prep Date: **4/7/2022**	Analysis Date: **4/8/2022**	SeqNo: **3080199** 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	72.3	137			
Surr: BFB	2100		1000		210	37.7	212			

Sample ID: **mb-66738**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **66738**	RunNo: **87148**
Prep Date: **4/8/2022**	Analysis Date: **4/11/2022**	SeqNo: **3081392** 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		96.8	37.7	212			

Sample ID: **lcs-66738**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **66738**	RunNo: **87148**
Prep Date: **4/8/2022**	Analysis Date: **4/11/2022**	SeqNo: **3081393** 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	72.3	137			
Surr: BFB	2100		1000		207	37.7	212			

Sample ID: **2204289-010ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **TP12-15**	Batch ID: **66738**	RunNo: **87148**
Prep Date: **4/8/2022**	Analysis Date: **4/11/2022**	SeqNo: **3081395** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	4.9	24.44	0	96.2	70	130			
Surr: BFB	2000		977.5		202	37.7	212			

Sample ID: **2204289-010amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **TP12-15**	Batch ID: **66738**	RunNo: **87148**
Prep Date: **4/8/2022**	Analysis Date: **4/11/2022**	SeqNo: **3081396** Units: **mg/Kg**

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

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2204289**
15-Apr-22

Client: GHD Midland
Project: White IU Battery

Sample ID: **2204289-010amsd** SampType: **MSD** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **TP12-15** Batch ID: **66738** RunNo: **87148**
Prep Date: **4/8/2022** Analysis Date: **4/11/2022** SeqNo: **3081396** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	4.9	24.49	0	99.1	70	130	3.15	20	
Surr: BFB	2000		979.4		204	37.7	212	0	0	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2204289**

15-Apr-22

Client: GHD Midland

Project: White IU Battery

Sample ID: **mb-66697**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **66697**	RunNo: **87123**
Prep Date: **4/7/2022**	Analysis Date: **4/8/2022**	SeqNo: **3080241** 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-66697**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **66697**	RunNo: **87123**
Prep Date: **4/7/2022**	Analysis Date: **4/8/2022**	SeqNo: **3080242** 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	89.4	80	120			
Toluene	0.93	0.050	1.000	0	92.9	80	120			
Ethylbenzene	0.95	0.050	1.000	0	94.8	80	120			
Xylenes, Total	2.9	0.10	3.000	0	95.8	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		104	70	130			

Sample ID: **mb-66738**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **66738**	RunNo: **87148**
Prep Date: **4/8/2022**	Analysis Date: **4/11/2022**	SeqNo: **3081430** 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	0.98		1.000		98.4	70	130			

Sample ID: **LCS-66738**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **66738**	RunNo: **87148**
Prep Date: **4/8/2022**	Analysis Date: **4/11/2022**	SeqNo: **3081431** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.86	0.025	1.000	0	86.3	80	120			
Toluene	0.89	0.050	1.000	0	89.2	80	120			
Ethylbenzene	0.90	0.050	1.000	0	89.6	80	120			
Xylenes, Total	2.7	0.10	3.000	0	90.6	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		101	70	130			

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2204289**
15-Apr-22

Client: GHD Midland
Project: White IU Battery

Sample ID: **2204289-011ams** SampType: **MS** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **TP12-16** Batch ID: **66738** RunNo: **87148**
Prep Date: **4/8/2022** Analysis Date: **4/11/2022** SeqNo: **3081434** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.82	0.024	0.9588	0	85.9	68.8	120			
Toluene	0.86	0.048	0.9588	0	89.2	73.6	124			
Ethylbenzene	0.87	0.048	0.9588	0	90.9	72.7	129			
Xylenes, Total	2.6	0.096	2.876	0	91.8	75.7	126			
Surr: 4-Bromofluorobenzene	1.0		0.9588		105	70	130			

Sample ID: **2204289-011amsd** SampType: **MSD** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **TP12-16** Batch ID: **66738** RunNo: **87148**
Prep Date: **4/8/2022** Analysis Date: **4/11/2022** SeqNo: **3081435** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.83	0.024	0.9653	0	86.3	68.8	120	1.14	20	
Toluene	0.86	0.048	0.9653	0	89.0	73.6	124	0.415	20	
Ethylbenzene	0.88	0.048	0.9653	0	91.5	72.7	129	1.33	20	
Xylenes, Total	2.7	0.097	2.896	0	92.7	75.7	126	1.57	20	
Surr: 4-Bromofluorobenzene	1.0		0.9653		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 Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: **GHD Midland** Work Order Number: **2204289** RcptNo: **1**

Received By: **Juan Rojas** **4/7/2022 8:10:00 AM**

Completed By: **Desiree Dominguez** **4/7/2022 8:45:06 AM**

Reviewed By: JN 4/7/22

Chain of Custody

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

Log In

3. Was an attempt made to cool the samples? Yes ☑ No ☐ NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C Yes ☐ No ☑ NA ☐
   Samples not frozen
5. Sample(s) in proper container(s)? Yes ☑ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☑ No ☐
8. Was preservative added to bottles? Yes ☐ No ☑ NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes ☐ No ☐ NA ☑
10. Were any sample containers received broken? Yes ☐ No ☑
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes ☑ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
13. Is it clear what analyses were requested? Yes ☑ No ☐
14. Were all holding times able to be met? (If no, notify customer for authorization.) Yes ☑ No ☐

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

Adjusted?

Checked by: KPG 4-7-2022

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	-0.1	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: White Ill Battery

Project #: 12574107

Project Manager:
Becky Haskell
Tom Larson

Sampler: Zach Comino

On Ice: X Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): -0.4+0.3 = -0.1c

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2204289	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chloride Method 300
04/05/22	1015	S	TP12-5	Jar		-001	X	X									X
	1020		TP12-6			-002											
	1025		TP12-7			-003											
	1030		TP12-8			-004											
	1035		TP12-9			-005											
	1050		TP12-11			-006											
	1055		TP12-12			-007											
	1100		TP12-13			-008											
	1105		TP12-14			-009											
	1140		TP12-15			-010											
	1145		TP12-16			-011											
	1150		TP12-17			-012											

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
04/06/22	0800	Zach Comino	acuna		4/6/22	800
4/6/22	1900	acuna		courier	4/7/22	8:10

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

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

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: White Tail Battery

Project #: 125741.07

Project Manager:

Becky Haskell

Tom Larson

Sampler: Zach Comino

On Ice: X Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): -0.4+0.3 = -0.1°C

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2204289	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chloride Method 300
04/02/22	1155	S	TP12-18	Jar		-013	X	X									X

Analysis Request

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
04/04/22	0800	Zach Comino	[signature]		4/6/22	800
4/6/22	1900	[signature]	[signature]	courier	4/7/22	810

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

~~Direct Bill to EOG Chase Settle~~

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

Form C-141
Page 3

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2202758401
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	90 (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.

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State of New Mexico
Oil Conservation Division

Incident ID	nAPP2202758401
District RP	
Facility ID	
Application ID	

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

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

Signature: Chase Settle Date: 04/26/2022

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

OCD Only

Received by: Robert Hamlet Date: 8/2/2022

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 101633
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	Site Characterization is Conditionally Approved. Due to the groundwater being greater than fifty (50) feet and less than or equal to one hundred (100) feet, the site must be vertically delineated to less than fifty (50) feet closure criteria, if the spill contained produced water that exceeds ten thousand 10,000 mg/l of chloride and if the release is of an unknown quantity. Please collect confirmation samples (floor/sidewall), representing no more than 200 ft2. Samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Floor samples must be delineated/excavated to the strictest closure criteria. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. The work will need to occur in 90 days after the work plan has been reviewed.	8/2/2022