



**EOG Resources, Inc.**  
Artesia Division Office  
104 S. 4<sup>th</sup> Street  
Artesia, N. M. 88210

April 11, 2022

NMOCD  
1220 South St. Francis Drive  
Santa Fe, NM 87505

Re: Mallard HM Fee Battery  
K-28-18S-26E  
Eddy County, New Mexico  
2RP-1113  
nMLB1212853714

Mr. Billings,

EOG Resources, Inc. is submitting the enclosed Confirmation Sampling Plan for the above referenced site.

EOG retained Vertex Resource Services Inc. (Vertex) to perform an assessment and further remediation for the above historical site that remained unapproved for closure in the NMOCD system. To date, Vertex has performed an assessment of the original release area, as well as the wellhead, wellpad, and adjoining areas. Their assessment led to the excavation of four (4) of material across these areas, with some additional excavation being required in the tank battery area. Prior to commencing the additional excavation activities, this Confirmation Sampling Plan is being submitted to request a variance to the 200 square feet guidance for sites closed within the first 90 days of assessment.

Upon approval of a Confirmation Sampling Plan, Vertex will continue to guide the remediation and reclamation activities on this site, with a Closure Report for the above referenced site to be submitted at the conclusion of the remediation activities.

If you have any questions, feel free to call me at (575) 748-1471.

Respectfully,

*Chase Settle*

Chase Settle  
Rep Safety & Environmental Sr.  
EOG Resources, Inc.

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	nMLB1212853714
District RP	2RP-1113
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party EOG Resources, Inc.	OGRID 7377
Contact Name Chase Settle	Contact Telephone 575-748-1471
Contact email Chase_Settle@eogresources.com	Incident # (assigned by OCD) nMLB1212853714
Contact mailing address 104 S. 4th Street, Artesia, NM 88210	

### Location of Release Source

Latitude 32.71636 Longitude -104.38812  
*(NAD 83 in decimal degrees to 5 decimal places)*

Site Name Mallard HM Fee Battery	Site Type
Date Release Discovered	API# (if applicable)

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

Surface Owner:  State  Federal  Tribal  Private (Name: Silverback Energy Resources)

### Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 201	Volume Recovered (bbls) 135
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release Please refer to original C-141 for details of 2RP-1113.

State of New Mexico  
Oil Conservation Division

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Was this a major release as defined by 19.15.29.7(A) NMAC?  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? <b>Volume released was greater than 25 bbls.</b>
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? <b>Yes, Mike Bratcher</b>	

### Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:  	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Chase Settle</u>	Title: <u>Rep Safety &amp; Environmental Sr</u>
Signature: <u>Chase Settle</u>	Date: <u>04/12/2022</u>
email: <u>Chase_Settle@eogresources.com</u>	Telephone: <u>575-748-1471</u>
<b><u>OCD Only</u></b>  Received by: _____ Date: _____	

Incident ID	nMLB1212853714
District RP	2RP-1113
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?	>100 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

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

State of New Mexico  
Oil Conservation Division

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Incident ID	nMLB1212853714
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I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Chase Settle Title: Rep Safety & Environmental Sr  
 Signature: Chase Settle Date: 04/12/2022  
 email: Chase\_Settle@eogresources.com Telephone: 575-748-1471

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Incident ID	nMLB1212853714
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## Remediation Plan

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

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

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

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

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

Printed Name: Chase Settle Title: Rep Safety & Environmental Sr  
 Signature: Chase Settle Date: 04/12/2022  
 email: Chase\_Settle@eogresources.com Telephone: 575-748-1471

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

- Approved     Approved with Attached Conditions of Approval     Denied     Deferral Approved

Signature: Bradford Billings Date: 05/16/2022

State of New Mexico  
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

## Closure

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

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

- A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- Description of remediation activities

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

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_



Remediation and Reclamation Confirmation Sampling Plan

**General Information**

NMOCD District:	<u>District 2</u>	Incident ID:	<u>NMLB1212853714</u>
Landowner:	<u>EOG Resources, Inc.</u>	RP Reference:	<u>2RP-1113</u>
Client:	<u>EOG Resources, Inc.</u>	Site Location:	<u>Mallard HM Fee Battery</u>
Date:	<u>4/5/2022</u>	Project #:	<u>22E-00123-08</u>
Client Contact:	<u>Chase Settle</u>	Phone #:	<u>(575) 748-1471</u>
Vertex PM:	<u>Monica Peppin</u>	Phone #:	<u>(575) 361-9880</u>

**Objective**

The objective of the environmental remediation and reclamation plan is to identify exceedances found during the site assessment/characterization activity, propose an appropriate technique to address these areas, and prepare the site for final reclamation. On April 4, 2012 EOG Resources, Inc. reported a release from the Mallard HM Fee Battery and was entered into the NMOCD database as 2RP-1113. Remediation of this release was the initial objective for characterization of the site. Reclamation criteria under NMAC (19.15.29.13) was also considered as a secondary objective as the site is no longer in production and entering the end-of-life phase. The decommissioned pad has been excavated to a minimum of four feet below ground surface (bgs) and will be backfilled with clean, locally sourced soil having chloride concentration less than 600 mg/kg, as analyzed by EPA Method 300.0. All areas of environmental concern that were delineated include: the wellhead area, secondary containment area, and surrounding pastureland. Closure criteria has been selected as per New Mexico Administrative Code (NMAC) 19.15.29 and 19.15.29.13. All applicable research as it pertains to closure criteria selection is presented in Attachment 1. The closure criteria for the site are presented below.

	<b>Constituent</b>	<b>Limit</b>
0-4 feet bgs (19.15.29.13)	Chloride	600 mg/kg
	TPH (GRO+DRO+MRO)	100 mg/kg
DTGW > 100 feet (19.15.29.12)	Chloride	20,000 mg/kg
	TPH (GRO+DRO+MRO)	2,500 mg/kg
	GRO+DRO	1,000 mg/kg
	BTEX	50 mg/kg
	Benzene	10 mg/kg

**Site Assessment/Characterization**

Site delineation was completed on February 2, 2022. A total of fifty-eight (58) sample points were established and samples collected for field screening. Samples at the deepest vertical distance below closure criteria were submitted to the laboratory for analysis. Field screening was completed on samples using a photoionization detector (volatile hydrocarbons), Dextsil Petroflag using EPA SW-846 Method 9074 (extractable hydrocarbons) and titration (chlorides). In total, one hundred and eighty-six (186) samples were submitted to Hall Environmental Analysis Laboratory in Albuquerque, New Mexico, for analysis. The sample locations are presented in Figure 1 (Attachment 2). Laboratory analysis results have been compared to the above noted closure criteria and the results from the characterization activity are presented in Table 2 (Attachment 3). Exceedances are identified in the table as bold with a green background. The Daily Field Reports and field screening forms associated with the site assessment/characterization are presented in Attachment 4.

During remediation, sampling was conducted on the extents of the excavation area. Details of the excavation characterization are provided in the section below. The characterization plan shows the current excavation addressing the requirements for both remediation and reclamation. Sample locations are presented in Figure 2 (Attachment 2).



## Remediation and Reclamation Plan

## Remedial Activities

Areas identified with contaminant concentrations above closure criteria were remediated through excavation. Laboratory results from the site assessment/characterization were referenced to estimate both the vertical and horizontal limits of the impacts and the volume of soil that was removed. Soil was then excavated to the extents of the contamination. Field screening was utilized to guide removal of contaminated soil to extents below the applicable closure criteria. Once excavation was complete, confirmatory samples were collected and laboratory analysis completed to confirm closure criteria guidelines were met. Excavations were backfilled with locally sourced clean soil.

### NMLB1212853714/2RP-1113

Based on the initial characterization of the impacted area, the dimensions were determined to be approximately 388 feet long and 194 feet wide; the total area was determined to be 43,648 square feet. An aerial photograph and site schematic of the determined sampling area is included in Figure 1 (Attachment 2).

Remediation efforts began on February 7, 2022. The excavation area was fenced off and remains open pending the approval of the variance request for confirmation sampling. On March 3 and 4, 2022, sampling was conducted to characterize the existing excavation. The excavation encompassed an area of approximately 52,272 square feet, at a depth of four feet, meeting the requirements of the restoration, reclamation and re-vegetation standard (19.15.29.13). A total of fifty (50) composite samples were collected from the base and walls of the excavated area. Field screening was completed on samples using a photoionization detector (volatile hydrocarbons), Dextil Petroflag using EPA SW-846 Method 9074 (extractable hydrocarbons) and titration (chlorides). Samples were submitted to Hall Environmental Analysis Laboratory in Albuquerque, New Mexico, under chain-of-custody protocol and analyzed for benzene, toluene, ethylbenzene and xylenes (EPA Method 8021B), total petroleum hydrocarbons (GRO, DRO, MRO – EPA Method 8015D), and total chlorides (EPA Method 300.0). Laboratory results are presented in Table 3 (Attachment 3) and laboratory data reports are included in Attachment 5. The Daily Field Reports and field screening forms associated with the remediation are presented in Attachment 4.

This characterization identified several locations in the walls and base of the excavation that exceeded applicable Table 1 closure criteria for the site under NMAC 19.15.29.12. The four-foot excavation footprint was expanded vertically and horizontally to remove contamination at locations BH22-08, BH22-10, BH22-11, BH22-13, BH22-14, BH22-20 through BH22-25, and BH22-38. The total area excavated was determined to be **65,340** square feet. An aerial photograph and site schematic of the additional excavation is included in Figure 3 (Attachment 2).

A GeoExplorer 7000 series Trimble global positioning system (GPS) unit, or equivalent, was used to map the approximate center of each of the five-point composite samples for the excavation characterization. The sample locations and excavation extents are presented in Figure 2 (Attachment 2).

Vertex Resource Services, Inc and EOG Resources, Inc. request a variance for confirmation sampling due to the square footage of the excavated area and the depth to ground water being greater than 100 feet for closure criteria. This variance request will consist of five-point composite samples for every 1,000 square feet of excavation area in the four-foot excavation. Excavation areas greater than four feet of vertical depth will utilize five-point composite samples each representative of no more than 200 square feet. Additional discrete grab samples will be collected from areas with discoloration and analyzed for chloride (EPA 300.0), BTEX (EPA 8021B), and TPH (EPA 8015D) depending on field screening results.



**Remediation and Reclamation Plan**

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Heavy equipment will be used to remove contaminated soils in the event that any confirmation samples are above applicable constituents based on Table 1 of 19.15.29.12 & 13 NMAC once the analytical reports have been received. A detailed closure report of all events will be submitted once all field work has been completed.

Should you have any questions or concerns, please do not hesitate to contact the undersigned at 575.361.9880 or mpeppin@vertex.ca.

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Monica Peppin  
SR. ENVIRONMENTAL TECHNICIAN, REPORTING

04/06/2022  
Date

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Dhugal Hanton B.Sc., P.Ag., SR/WA, P.Biol.  
VICE PRESIDENT, REPORT REVIEW

04/05/2022  
Date

**Attachments**

- Attachment 1: Closure Criteria Research
- Attachment 2: Figures
- Attachment 3: Laboratory Results Tables
- Attachment 4: Daily Field Reports
- Attachment 5: Laboratory Analysis Reports



## **ATTACHMENT 1**

<b>Closure Criteria Worksheet</b>			
<b>Site Name: Mallard HM Fee Battery</b>			
<b>Spill Coordinates:</b>		<b>X: 32.71646</b>	<b>Y: -104.38778</b>
<b>Site Specific Conditions</b>		<b>Value</b>	<b>Unit</b>
1	Depth to Groundwater	123	feet
2	Within 300 feet of any continuously flowing watercourse or any other significant watercourse	24,503	feet
3	Within 200 feet of any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark)	41,613	feet
4	Within 300 feet from an occupied residence, school, hospital, institution or church	2,783	feet
5	i) Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, <b>or</b>	2,783	feet
	ii) Within 1000 feet of any fresh water well or spring	2,783	feet
6	Within incorporated municipal boundaries or within a defined municipal fresh water field covered under a municipal ordinance adopted pursuant to Section 3-27-3 NMSA 1978 as amended, unless the municipality specifically approves	No	(Y/N)
7	Within 300 feet of a wetland	9,097	feet
8	Within the area overlying a subsurface mine	No	(Y/N)
9	Within an unstable area (Karst Map)	Low	Critical High Medium Low
10	Within a 100-year Floodplain	500	year
11	Soil Type	Reagan Loam	
12	Ecological Classification	Loamy	
13	Geology	Qp	
<b>NMAC 19.15.29.12 E (Table 1) Closure Criteria</b>		>100'	<50' 51-100' >100'



# Mallard HM #002

Closest USGS Well: 324259104232501  
Distance: 0.18 miles  
DTGW: 123 feet  
Latest Reading: 2015

- 324259104232501
- 📍 Mallard HM #002

324259104232501

Mallard HM #002





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## National Water Information System: Web Interface

USGS Water Resources

Data Category:    
 Geographic Area:

Click to hide News Bulletins

- Explore the *NEW* [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.
- [Full News](#)

Groundwater levels for the Nation

Important: [Next Generation Monitoring Location Page](#)

### Search Results -- 1 sites found

site\_no list =

- 324259104232501

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

### USGS 324259104232501 18S.26E.28.332242

Available data for this site

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°42'59", Longitude 104°23'25" NAD27

Land-surface elevation 3,398 feet above NAVD88

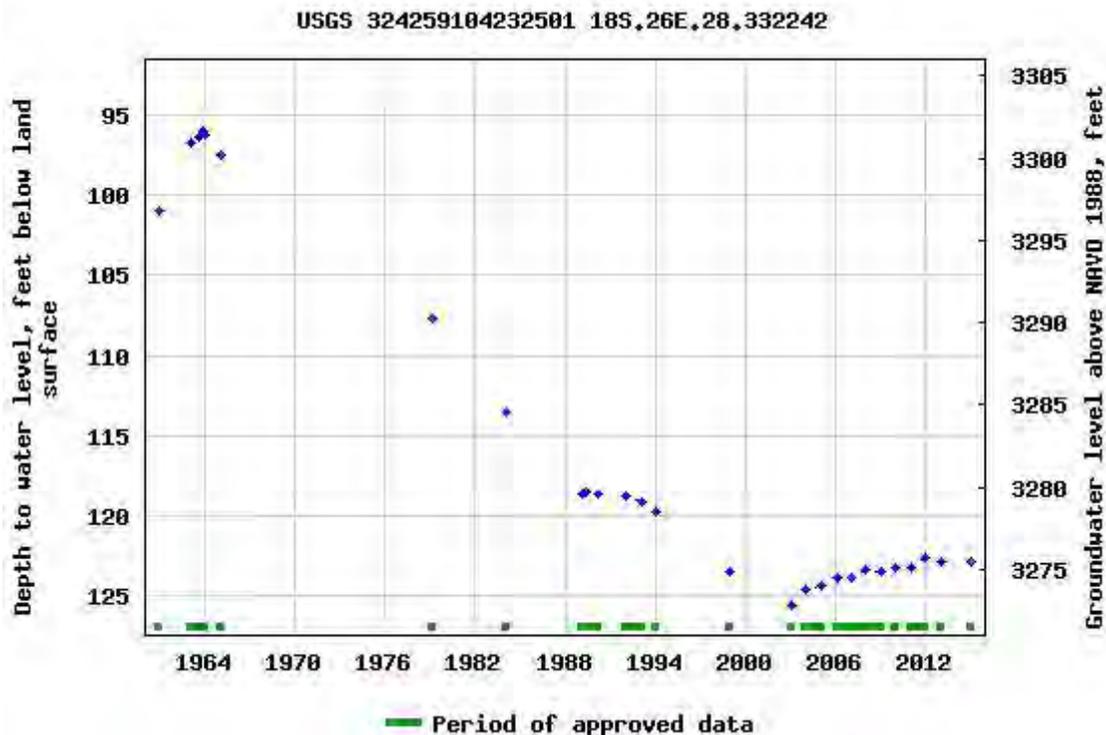
The depth of the well is 170 feet below land surface.

This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

#### Output formats

<a href="#">Table of data</a>
<a href="#">Tab-separated data</a>
<a href="#">Graph of data</a>
<a href="#">Reselect period</a>



Breaks in the plot represent a gap of at least one year between field measurements. [Download a presentation-quality graph](#)

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**Title: Groundwater for USA: Water Levels**

**URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>**



Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2021-09-14 14:09:17 EDT

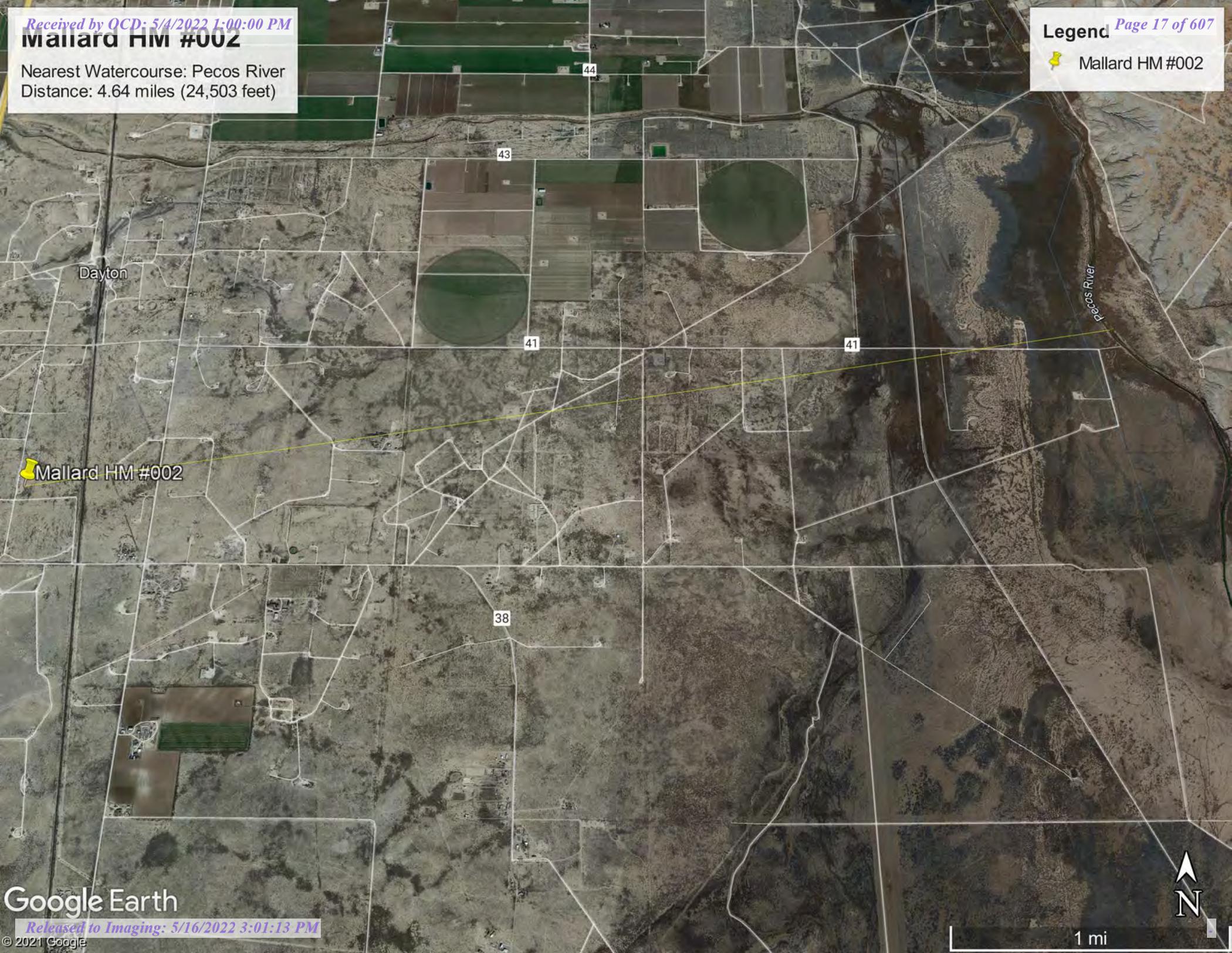
0.6 0.53 nadww01

# Mallard HM #002

**Legend**

-  Mallard HM #002

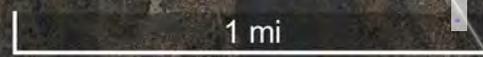
Nearest Watercourse: Pecos River  
Distance: 4.64 miles (24,503 feet)



Dayton

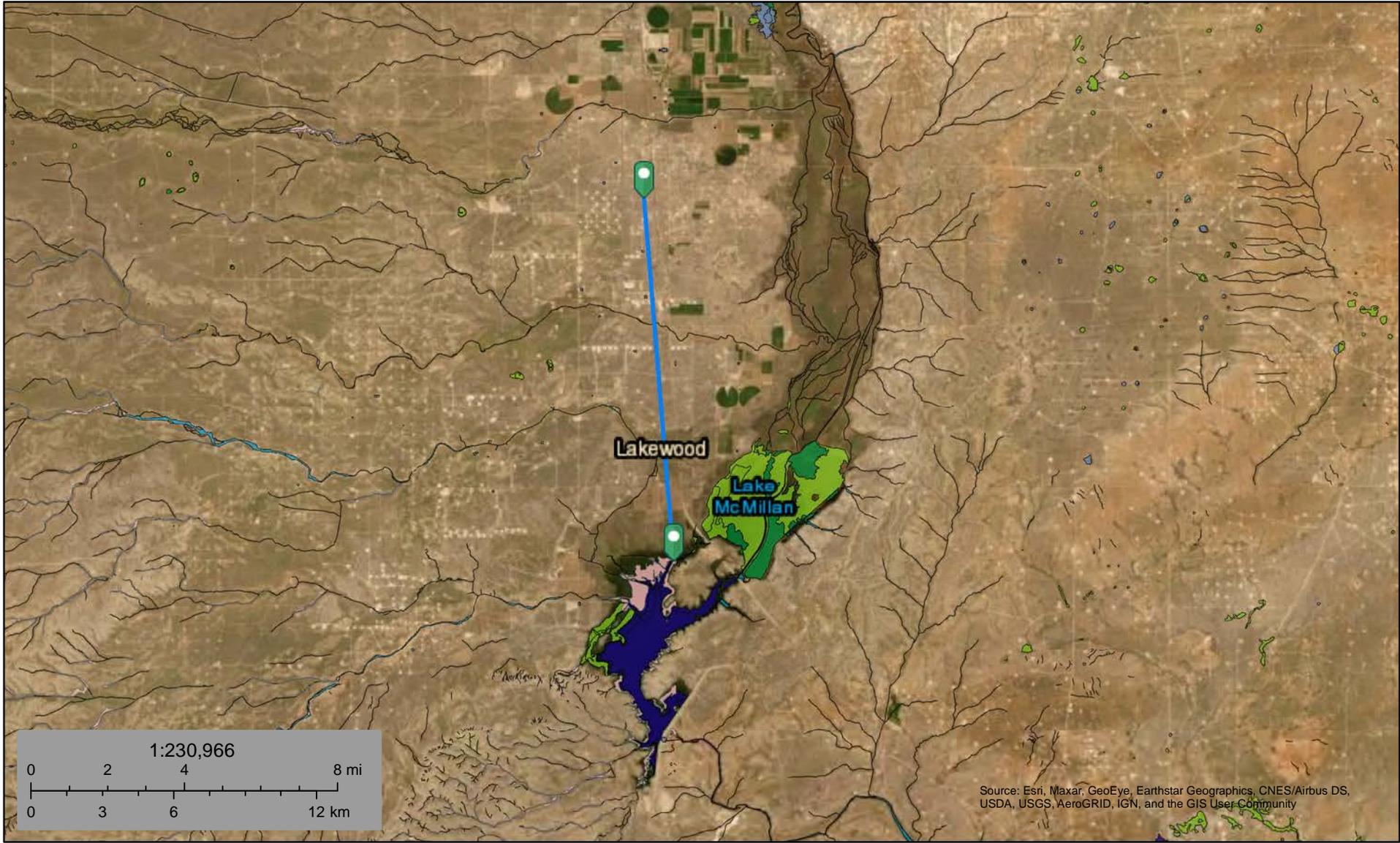
 Mallard HM #002

Pecos River





# Mallard HM #002



September 14, 2021

### Wetlands

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

# Mallard HM #002

Nearest Residence: 0.53 miles (2,783 feet)

Feature 1

Mallard HM #002

Residence

38

E Kincaid Ranch



# Mallard HM #002

**Legend**

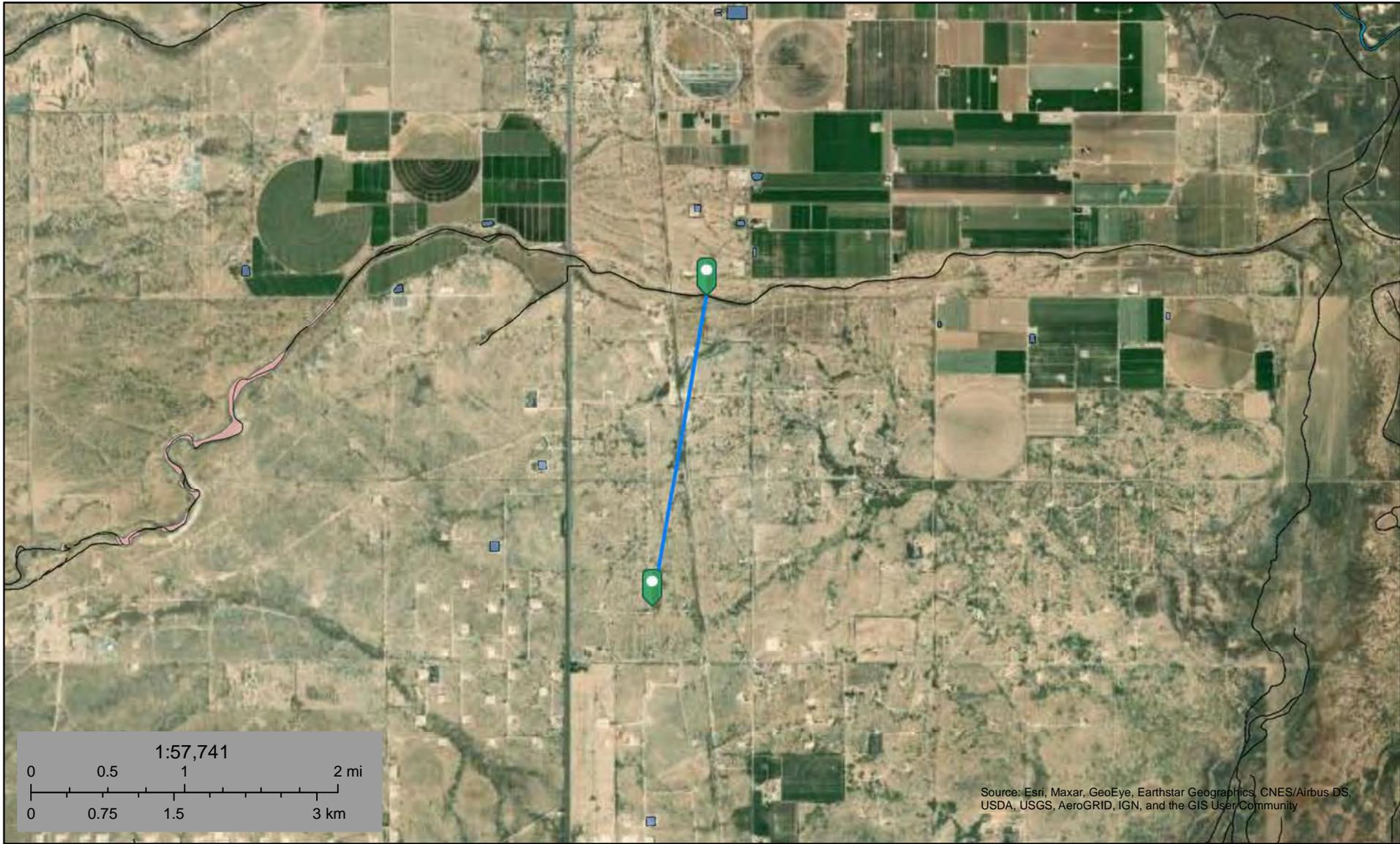
-  Feature 1

Nearest Town: Dayton, NM  
 Distance: 1.04 miles (5,502 feet)





# Mallard HM #002



September 14, 2021

### Wetlands

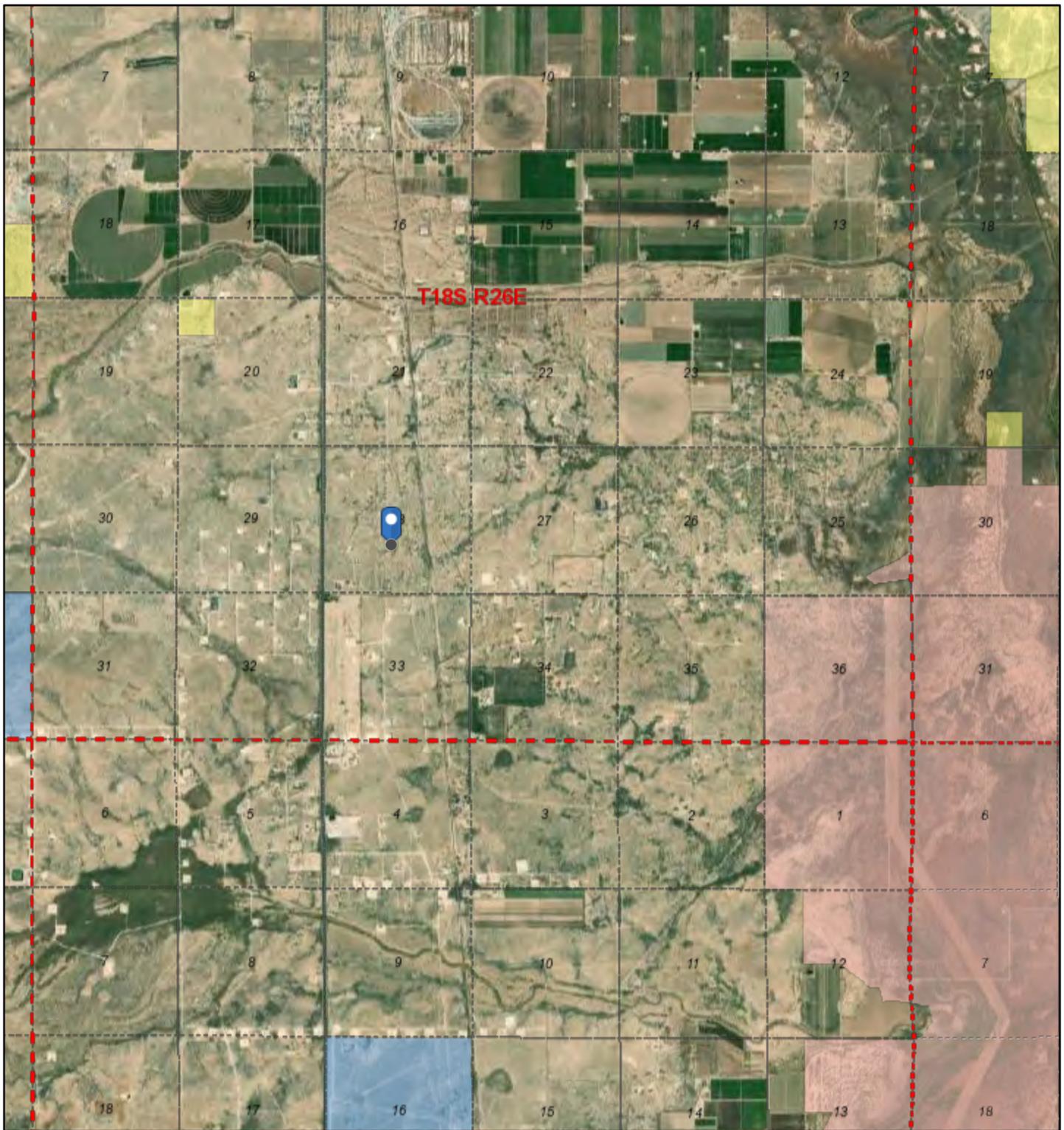
- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine

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

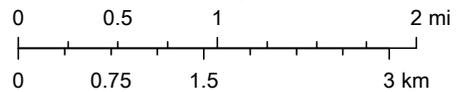
# Mallard HM #002



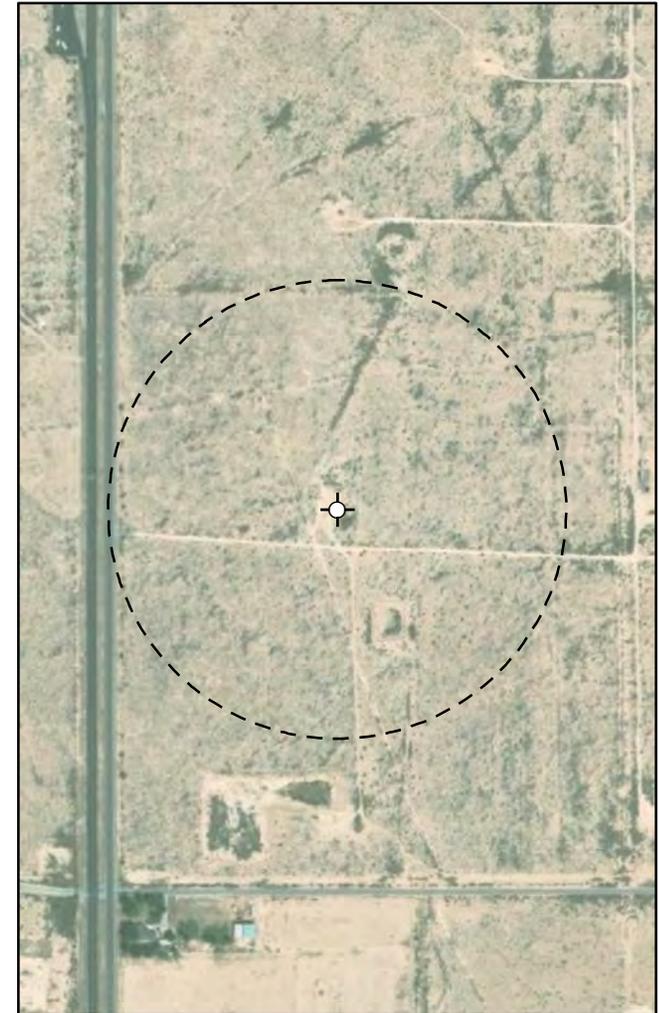
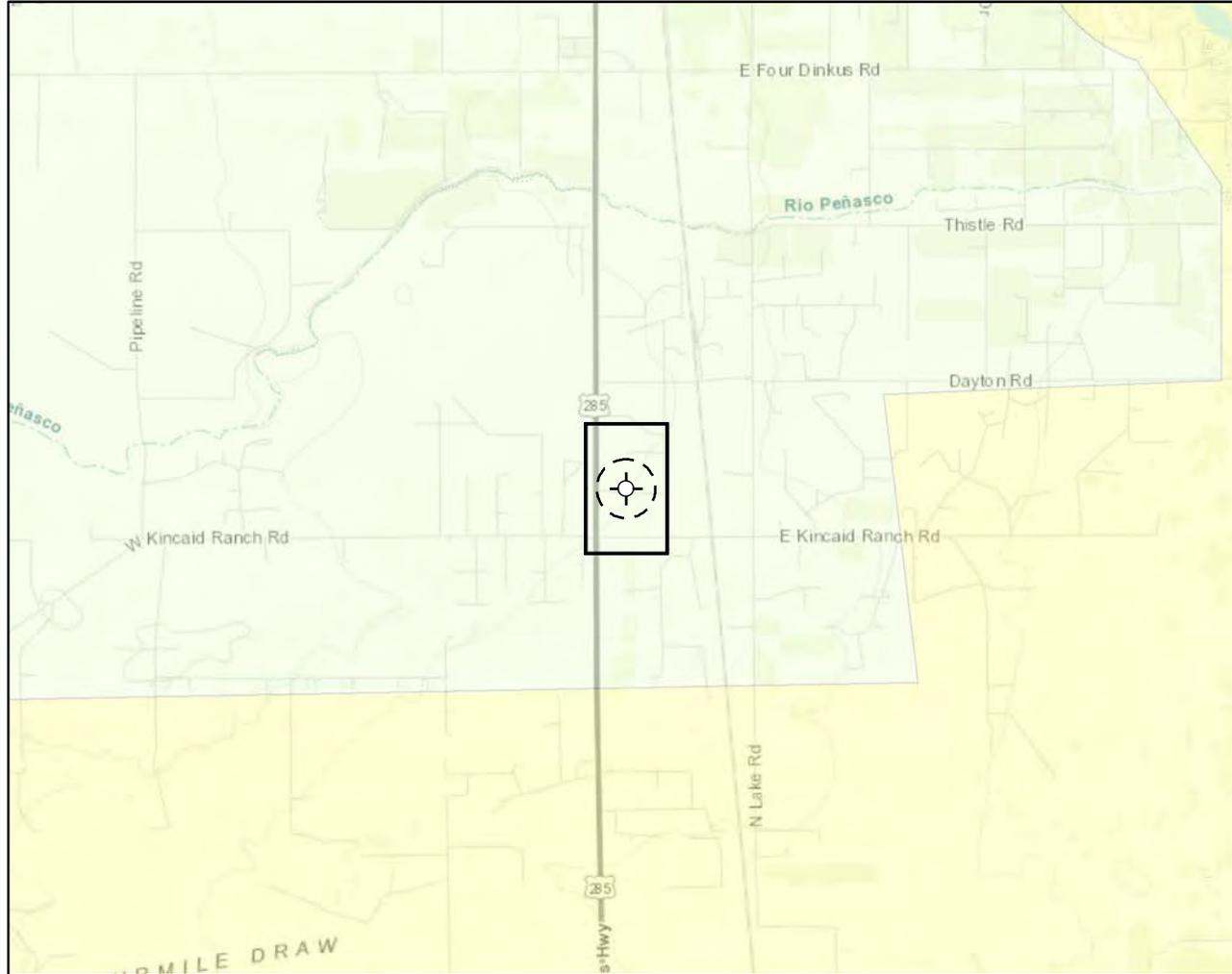
9/14/2021, 1:27:39 PM

1:72,224

- Township / Range
- Sections
- Land Ownership**
- Bureau of Land Management
- Bureau of Reclamation
- Department of Agriculture
- Department of Defense
- Department of Energy
- National Park Service
- Private Land
- State Game and Fish
- State Land
- Tribal
- State Parks



Esri, HERE, Garmin, U.S. Bureau of Land Management - New Mexico State Office, Earthstar Geographics



- Karst Potential**
- Critical
  - High
  - Medium
  - Low
- Site Location  
 Site Buffer ( 1,000 ft. )

**Overview Map**  
 0 0.25 0.5 1 mi

**Detail Map**  
 0 150 300 600 ft.



Map Center:  
 Lat/Long: 32.716187, -104.392474

NAD 1983 UTM Zone 13N  
 Date: Sep 22/21



**Karst Potential  
 Mallard HM #002**

FIGURE:

**X**



Geospatial data presented in this figure may be derived from external sources and Vertex does not assume any liability for inaccuracies. This figure is intended for reference use only and is not certified for legal, survey, or engineering purposes.

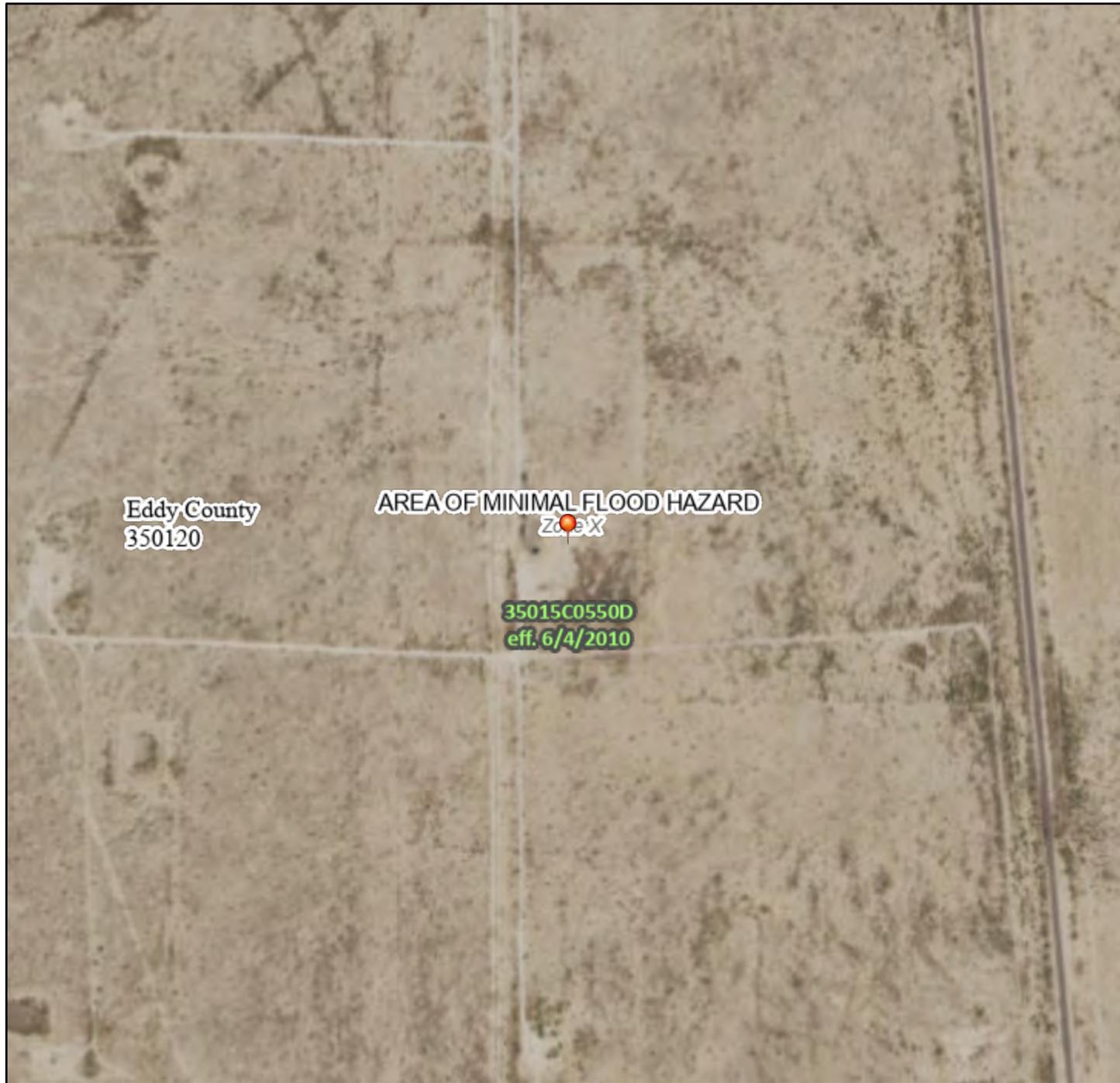
Note: Inset Map, ESRI 20XX; Overview Map: ESRI World Topographic

**VERSATILITY. EXPERTISE.**

# National Flood Hazard Layer FIRMette



104°23'35"W 32°43'14"N



## Legend

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

- |                                    |  |  |
|------------------------------------|--|--|
| <b>SPECIAL FLOOD HAZARD AREAS</b>  |  | Without Base Flood Elevation (BFE)<br><i>Zone A, V, A99</i>  |
|                                    |  | With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i><br>Regulatory Floodway  |
| <b>OTHER AREAS OF FLOOD HAZARD</b> |  | 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 <i>Zone X</i> |
|                                    |  | Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i>  |
|                                    |  | Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i>  |
|                                    |  | Area with Flood Risk due to Levee <i>Zone D</i>  |
| <b>OTHER AREAS</b>                 |  | NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i>   |
|                                    |  | Effective LOMRs  |
| <b>GENERAL STRUCTURES</b>          |  | Area of Undetermined Flood Hazard <i>Zone D</i>  |
|                                    |  | Channel, Culvert, or Storm Sewer   |
| <b>OTHER FEATURES</b>              |  | Levee, Dike, or Floodwall  |
|                                    |  | 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  |
| <b>MAP PANELS</b>                  |  | Coastal Transect Baseline  |
|                                    |  | Profile Baseline   |
|                                    |  | Hydrographic Feature   |
|                                    |  | Digital Data Available   |
|                                    |  | No Digital Data Available  |
|                                    |  | Unmapped   |
- The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.



0 250 500 1,000 1,500 2,000 Feet 1:6,000

104°22'57"W 32°42'44"N

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

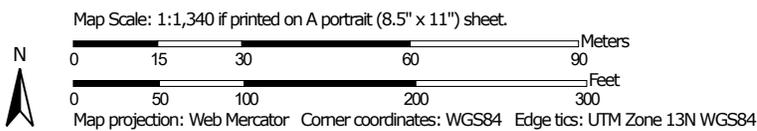
The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/14/2021 at 3:08 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by 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.

Soil Map—Eddy Area, New Mexico



Soil Map may not be valid at this scale.



Natural Resources  
Conservation Service

Web Soil Survey  
National Cooperative Soil Survey

9/14/2021  
Page 1 of 3

Soil Map—Eddy Area, New Mexico

### MAP LEGEND

**Area of Interest (AOI)**

 Area of Interest (AOI)

**Soils**

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

**Special Point Features**



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

**Water Features**



Streams and Canals

**Transportation**



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

**Background**



Aerial Photography

### MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

**Warning:** Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service  
 Web Soil Survey URL:  
 Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Eddy Area, New Mexico  
 Survey Area Data: Version 16, Jun 8, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 27, 2020—Feb 28, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Soil Map—Eddy Area, New Mexico

---

## Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Rc	Reagan loam, 0 to 1 percent slopes	8.1	100.0%
<b>Totals for Area of Interest</b>		<b>8.1</b>	<b>100.0%</b>

Map Unit Description: Reagan loam, 0 to 1 percent slopes---Eddy Area, New Mexico

---

## Eddy Area, New Mexico

### Rc—Reagan loam, 0 to 1 percent slopes

#### Map Unit Setting

*National map unit symbol:* 1w5l

*Elevation:* 1,100 to 5,300 feet

*Mean annual precipitation:* 7 to 15 inches

*Mean annual air temperature:* 57 to 70 degrees F

*Frost-free period:* 200 to 240 days

*Farmland classification:* Farmland of statewide importance

#### Map Unit Composition

*Reagan and similar soils:* 97 percent

*Minor components:* 3 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Reagan

##### Setting

*Landform:* Alluvial fans, fan remnants

*Landform position (three-dimensional):* Rise

*Down-slope shape:* Linear, convex

*Across-slope shape:* Linear

*Parent material:* Alluvium and/or eolian deposits

##### Typical profile

*H1 - 0 to 8 inches:* loam

*H2 - 8 to 82 inches:* loam

##### Properties and qualities

*Slope:* 0 to 1 percent

*Depth to restrictive feature:* More than 80 inches

*Drainage class:* Well drained

*Runoff class:* Low

*Capacity of the most limiting layer to transmit water*

*(Ksat):* Moderately high to high (0.60 to 2.00 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum content:* 40 percent

*Maximum salinity:* Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)

*Sodium adsorption ratio, maximum:* 1.0

*Available water supply, 0 to 60 inches:* Moderate (about 8.2 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 2e

*Land capability classification (nonirrigated):* 6c

*Hydrologic Soil Group:* B

Map Unit Description: Reagan loam, 0 to 1 percent slopes---Eddy Area, New Mexico

---

*Ecological site:* R042XC007NM - Loamy  
*Hydric soil rating:* No

#### **Minor Components**

##### **Reagan**

*Percent of map unit:* 1 percent  
*Ecological site:* R042XC007NM - Loamy  
*Hydric soil rating:* No

##### **Upton**

*Percent of map unit:* 1 percent  
*Ecological site:* R042XC025NM - Shallow  
*Hydric soil rating:* No

##### **Reeves**

*Percent of map unit:* 1 percent  
*Ecological site:* R042XC007NM - Loamy  
*Hydric soil rating:* No

## **Data Source Information**

Soil Survey Area: Eddy Area, New Mexico  
Survey Area Data: Version 16, Jun 8, 2020

## Ecological Reference Worksheet

**Author(s) / participant(s):** John Tunberg,

**Contact for lead author :** 505-761-4488

**Reference site used? Yes/No**

No

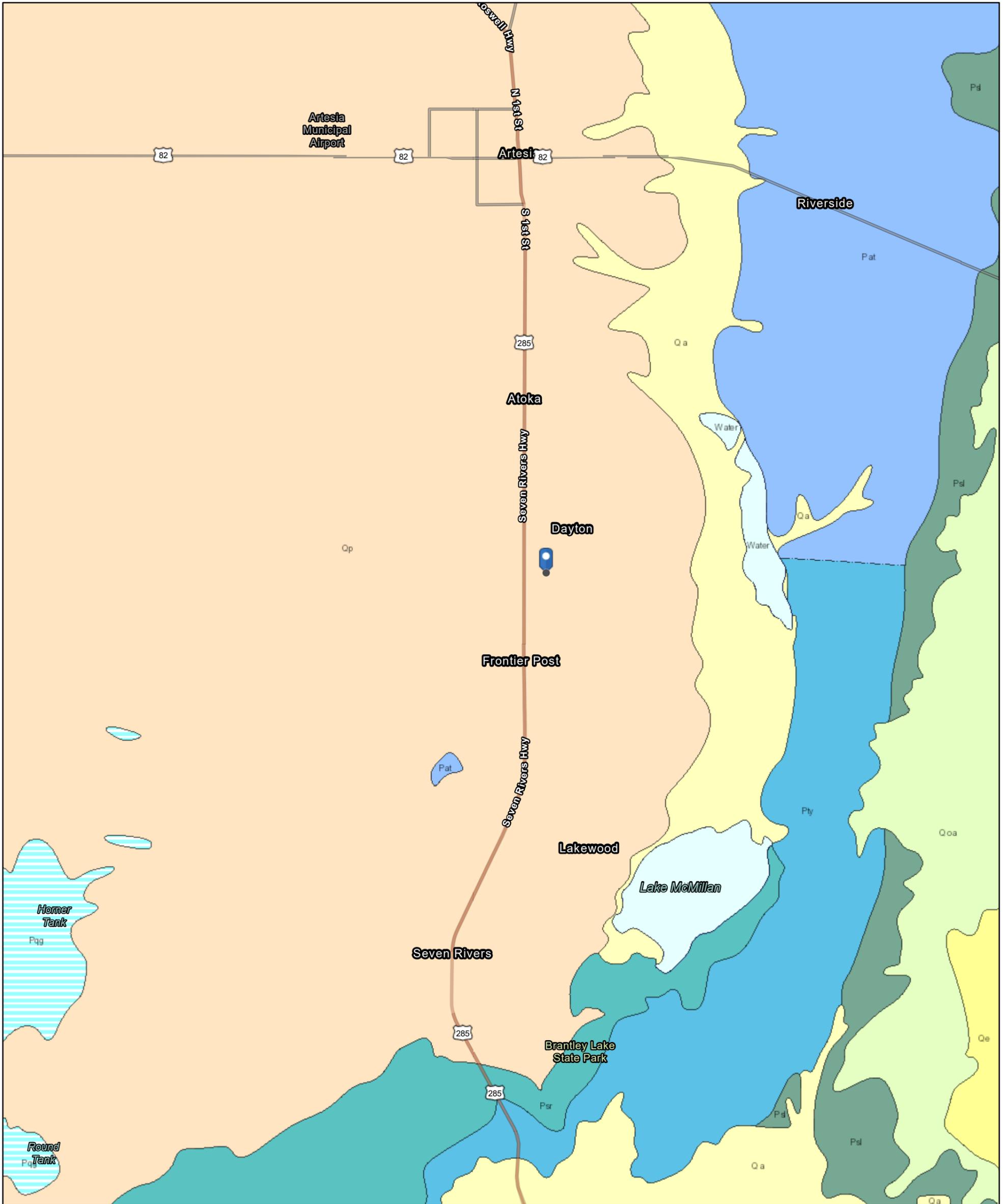
**Date:** 2/12/2010 **MLRA:** 42.3 **Ecological Site:** Loamy This *must* be verified based on soils and climate (see Ecological Site Description). Current plant community *cannot* be used to identify the ecological site.

**Indicators:** For each indicator, describe the potential for the site. Where possible, (1) use numbers, (2) include expected range of values for above and below average years for **each** community within the reference state, when appropriate & (3) site data. Continue description on separate sheet.

<b>1. Number and extent of rills</b>	There should not be any rills. After wildfires, or abnormally high human or herbivore impacts or extended drought or combinations of these disturbances rills may double in number on steeper slopes at the margins of this site after high-intensity summer thunderstorms. Any rills formed should not be long lived or interconnected and should heal rapidly.
<b>2. Presence of water flow patterns:</b>	There can be evidence of sheet flow. There can be a few flow patterns that should be short and discontinuous. There can be some sheet flow. Water flow patterns should only be present following intense storm events on upper slope limits at the margins of this site. Numerous obstructions alter flow paths. Flow pattern length and numbers may double after wildfires, or abnormally high human or herbivore impacts or extended drought or combinations of these disturbances.
<b>3. Number and height of erosional pedestals or terracettes:</b>	Pedestals should be rare. Terracettes can occur and should be discontinuous. There can be a few pedestals that should be less than 1 inch high. Terracettes can be common and should be discontinuous. If present plant or rock pedestals and terracettes are almost always in flow patterns. Wind caused pedestals are rare and only would be on the site following after wildfires, or abnormally high human or herbivore impacts or extended drought or combinations of these disturbances. These would show signs of healing within 1 year after event.
<b>4. Bare ground from Ecological Site Description or other studies (rock, litter, lichen, moss, plant canopy are not bare ground) :</b>	Bare ground can make up to 50% of the ground cover on this site according to the ESD. Bare patch size should be small.
<b>5. Number of gullies and erosion associated with gullies:</b>	Gullies and erosion associated with gullies should be rare are infrequent. Typically, gullies if present will only follow the micro topography. Natural drainages with little to no active cutting are common on this site. There should not be any accelerated erosion. After high-intensity summer thunderstorms or after wildfire, or abnormally high human or herbivore impacts or extended drought or combinations of these disturbances then gully formation would be accelerated for a year or two. Evidence of healing within 1 year of event and continuing after that.
<b>6. Extent of wind scoured, blowouts and/or depositional area</b>	There should not be any wind scoured, blowouts and/or depositional areas. However there can be potential for depositional areas. Wind erosion is minimal when the site is in a well vegetated condition. Significant wind erosion would only be present following high-intensity summer thunderstorms, after wildfire, or abnormally high human or herbivore impacts or extended drought or combinations of these disturbances. After rain events, exposed soil surfaces form physical crusts that tend to reduce wind erosion. Deposition from off site sources can be common on this site and is in fact a primary soil forming process. This site is susceptible to wind erosion when vegetation is removed or significantly decreased.
<b>7. Amount of litter movement (describe size and distance expected to travel) :</b>	Litter should be small (less than "1 in diameter) and its movement should be minimal. This site has adequate vegetation to stop litter movement after short distances. Most of the litter movement on this site will be litter that has been transported onto the site from adjacent sites. Litter produced on this site stays on the site and only travels short distances.
<b>8. Soil surface (top few mm) resistance to erosion (stability) values are averages - most sites will show a range of values for both plant canopy and interspaces, if different) :</b>	This site can be susceptible to alluvial erosion. Stability values are estimated to be 1-2 in interspaces and 3-5 at bases of vegetation. This would
<b>9. Soil surface structures and SOM content (include type and strength of structure, and A-horizon color and thickness for both plant canopy and interspaces, if different) :</b>	The SOM content should be less than 1%. A--0 to 6 inches; grayish brown (10YR 5/2) loam, dark grayish brown (10YR 4/2) moist; weak fine subangular blocky structure; hard, friable, slightly sticky; surface 1/2 to 2 inches has weak thin to medium platy structure; common very fine and fine pores; common very fine, fine and medium roots; strongly calcareous; slightly alkaline (pH 7.6); clear smooth boundary. (4 to 8 inches thick)
<b>10. Effect of plant community composition (relative proportion of different functional groups) &amp; spatial distribution on infiltration &amp; runoff:</b>	Overall, infiltration rates should be slow for this site but can be higher around bases of grasses than in interspaces and around bases of shrubs. The soils of this site are deep to moderately deep. The moderately deep soils have either a petrocalcic, petrogypsic or gypsum horizon between 30 and 40 inches. Surface textures are loam, silt loam, very fine sandy loam, or clay loam. Substratum textures are loam, silty clay loam, clay loam, or silt loams. Subsoil textures are silt loam, clay loam silty clay loam, gravelly loam, gravelly clay loam or very gravelly loam. Permeability is moderate to slow and the available water holding capacity is high to moderate.

<p><b>11. Presence and thickness of compaction layer (usually none; describe soil profile features which may be mistaken for compaction):</b></p> <p>There should not be any compaction layers on this site. There are soil profile features in the top 9 inches of the soil profile that would be mistaken for a management induced soil compaction layer. Management induced compaction layers will be more difficult to penetrate than clay lenses.</p>
<p><b>12. Functional/Structural Groups (list in order of descending dominance by above-ground weight using symbols: indicate much greater than (&gt;&gt;), greater than (&gt;), and equal to (=) :</b></p> <p>black grama &gt;&gt; tobosa &gt; C 4 bunch grasses (dropseeds) &gt; C4 midgrasses (threeawns) &gt;= soap tree yucca, ephedra, fourwing saltbush &gt;= forbs (croton, desert marigold, globemallow, &gt; broom snakeweed, prickly pear, = other forbs.</p>
<p><b>13. Amount of plant mortality and decadence (include which functional groups are expected to show mortality or decadence) :</b></p> <p>Black grama and bunchgrasses can show decadence in centers of plants.</p>
<p><b>14. Average percent litter cover ( _____ % ) and depth ( _____ inches).</b></p> <p>Average 15% cover and 0.75 inch deep. (As per ESD)</p>
<p><b>15. Expected annual production (this is <u>TOTAL</u> above-ground production, not just forage production):</b></p> <p>(Low Production 650 lbs./ac.) (Average RV Production 925 lbs./ac.) (High Production 1200 lbs./ac.) After wildfires, high herbivore impacts, extended drought, or combinations of these disturbances, can cause production to be significantly reduced (100-200 lbs per ac. the first growing season following a wildfire) and recover slowly under below average precipitation regimes.</p>
<p><b>16. Potential invasive (including noxious) species (native and non-native). List species which characterize degraded states and which, after a threshold is crossed, "can, and often do , continue to increase regardless of the management of the site and may eventually dominate</b></p> <p>Tarbush, creosote and mesquite can be invaders to this site. Invasive plants should not occur in reference plant community. However, lovegrass, Russian thistle, kochia, and other nonnative annuals may initially invade following extended disturbance. Mesquite and tarbush and creosote and lovegrass are the greatest threat to dominate this site in the long term after disturbance (primarily following wildfire exclusion but also includes high human or herbivore impacts and extended drought). Mesquite and tarbush and creosote and lovegrass are most likely to retain dominance if allowed to alter natural fire regime (this alteration may require poor land management combined with years of wet winter-spring; dry summer-fall conditions). Any of these invaded communities represent a departure from the reference state.</p>
<p><b>17. Perennial plant reproductive capability :</b></p> <p>Black grama reproduces by seed sporadically and reproduction by tiller and stolon can be common. The C4 midgrasses should have high reproductive potential and rapidly recover from drought in the absence of additional stresses (grazing).</p>

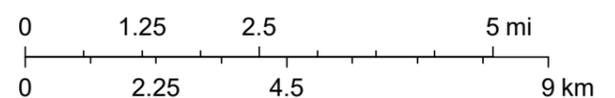
# Mallard HM #002



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<b>Lithologic Contacts</b>	..... Fault, Concealed	<b>Surface Polys</b>	— Direction of movement of landslide
— Contact, Exposed	~ Shere Zone	Si	<b>VCFaults</b>
— Contact, Gradational	Dikes	alteration	— Fault—Location accurate
- - - Nomenclature change	<all other values>	alteration shear	- - - Fault—Location approximate
— Map Boundary	Dike	shear	..... Fault—Location concealed
<b>Faults</b>	Dike intruding fault	<b>GeologicLines</b>	— Normal Fault—Location accurate
— Fault, Exposed	* Volcanic Vents	Ash Layer	- - - Normal Fault—Location approximate
- - - Fault, Intermittent		Shoreline—Identity accurate	

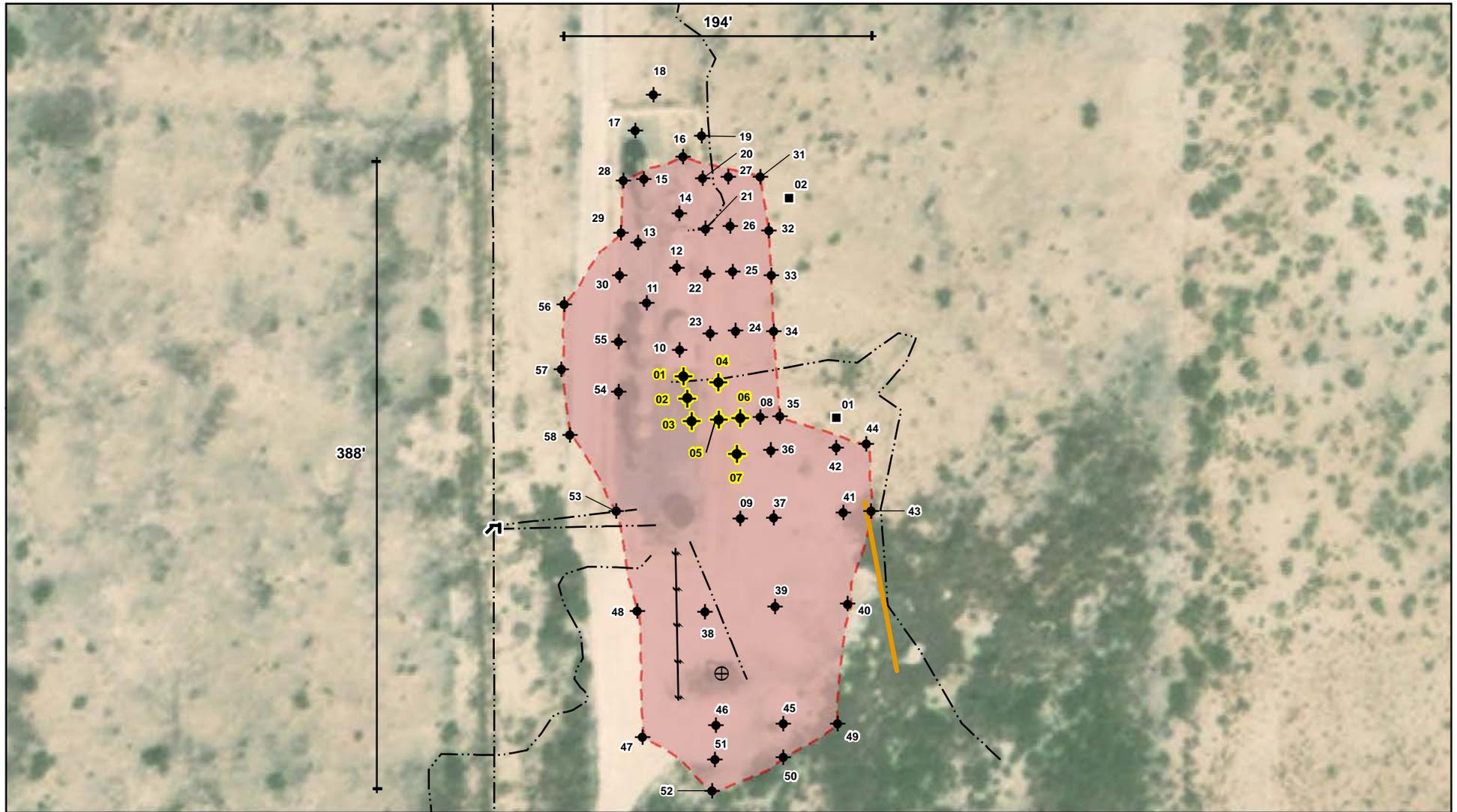
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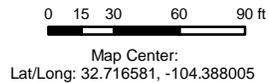
Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, NMBGMR, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

## **ATTACHMENT 2**

Document Path: G:\I-Projects\US PROJECTS\EOG Resources Inc\22E-00123\008 - Mallard HM Fee Battery\Figure 1 Characterization Schematic Mallard HM Fee Battery.mxd



- ◆ 2021 Borehole ( Prefixed by "BH21-")
- ◆ 2022 Borehole ( Prefixed by "BH22-")
- Background Sample
- ⊕ Dry Hole Marker
- ⤴ Pipeline riser
- Corroded pipe
- ⚡ Electrical line
- ⋯ Flowline
- ⬡ Approximate Spill Extent ( 43,648 sq. ft. )



NAD 1983 UTM Zone 13N  
Date: Apr 04/22



### Characterization Schematic Mallard HM Fee Battery

FIGURE:

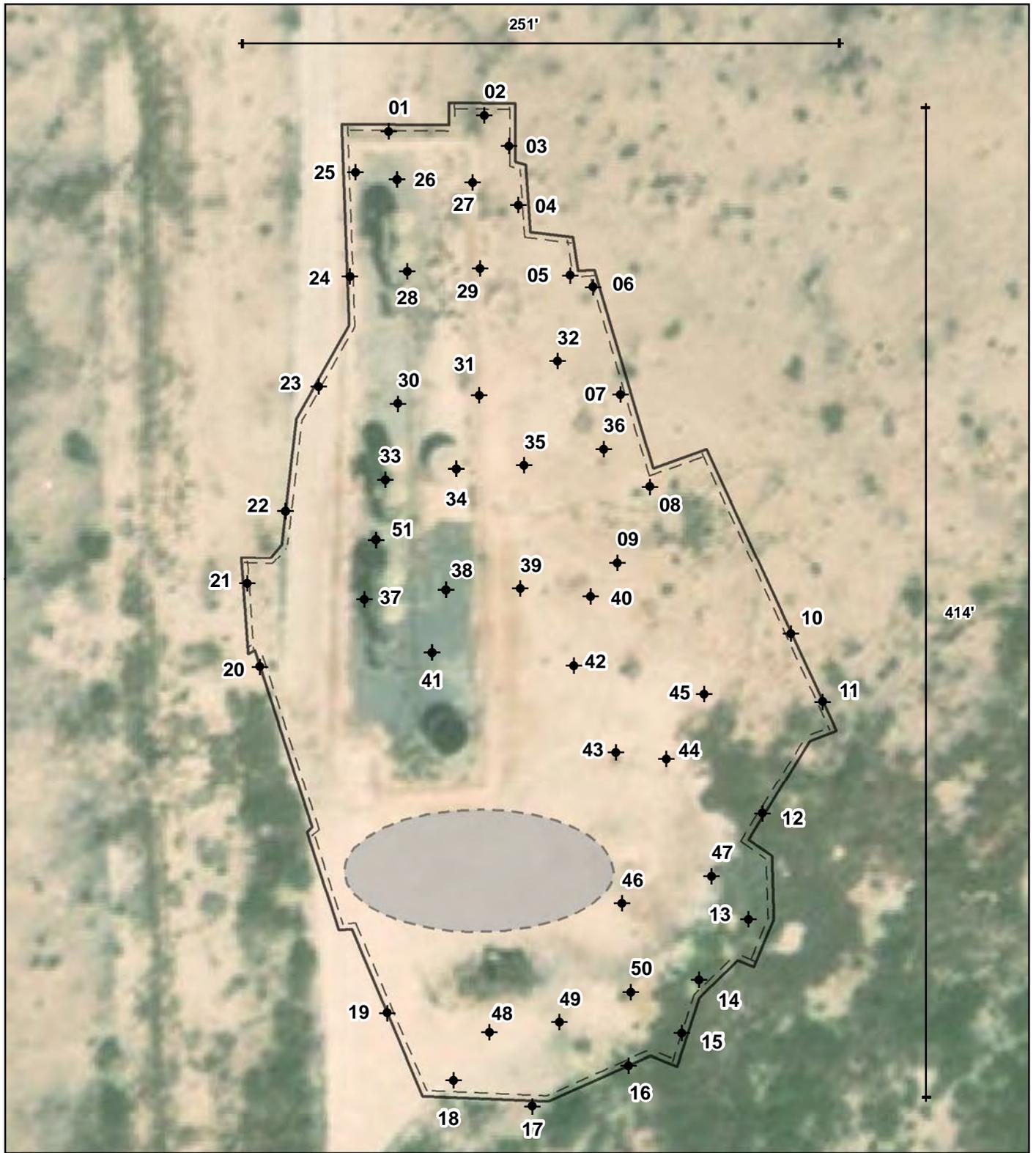
**1**



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Note: Imagery from ESRI, 2020. Borehole locations from GPS, Vertex Professional Services, Ltd., 2021.

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- ◆ Excavated Borehole (Prefixed by "BH22-")
- ▭ Excavation ( 63,765 sq. ft. )
- Soil Pile



0 10 20 40 ft.  
 NAD 1983 UTM Zone 13N  
 Date: Mar 30/22

Map Center:  
 Lat: 32.716581,  
 Long:-104.388005



**Characterization/Excavation Schematic  
 Mallard HM Fee Battery**

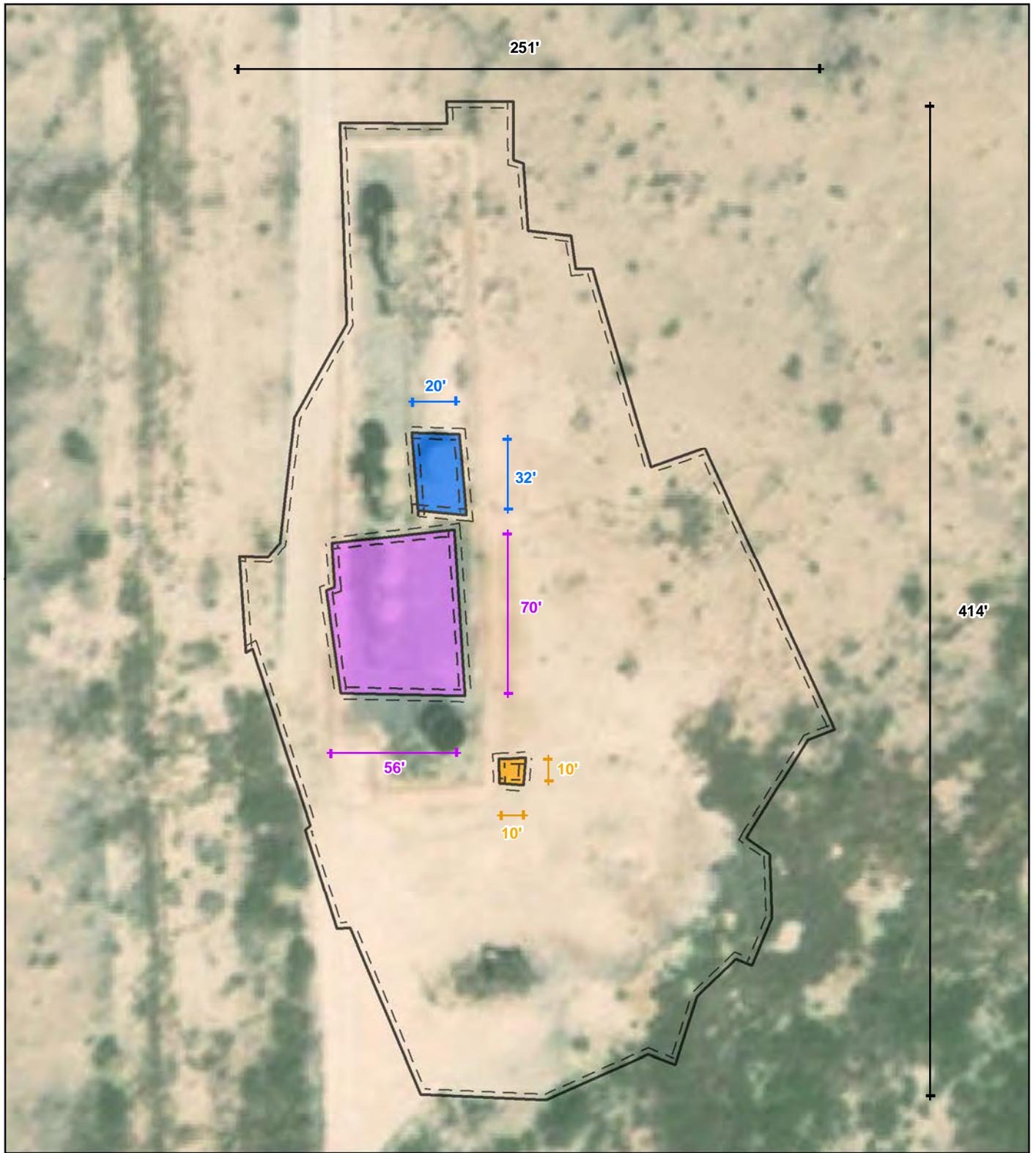
FIGURE:  
**2**



Geospatial data presented in this figure may be derived from external sources and Vertex does not assume any liability for inaccuracies. This figure is intended for reference use only and is not certified for legal, survey, or engineering purposes.

Note: Imagery from ESRI, 2020. Borehole locations from GPS, Vertex Professional Services, Ltd., 2021.

Document Path: G:\1-Projects\US PROJECTS\EOG Resources Inc\22E-00123\008 - Mallard HM Fee Battery\Figure 2 Characterization and Excavation Schematic Mallard HM Fee Battery.mxd



- Excavated Borehole (Prefixed by "BH22-")
- Excavation (663 sq. ft. @ 10' Depth)
- Excavation (59,504 sq. ft @ 4' Depth)
- Excavation (118 sq. ft. @ 8' Depth)
- Excavation (3,479 sq. ft. @ 16' Depth)

Document Path: G:\1-Projects\US PROJECTS\EOG Resources Inc\22E-00 23\008 - Mallard HM Fee Battery\Figure 3 Additional Excavation Schematic Mallard HM Fee Battery.mxd



0 10 20 40 ft.  
 NAD 1983 UTM Zone 13N  
 Date: Mar 30/22

Map Center:  
 Lat: 32.716579,  
 Long:-104.388002



### Additional Excavation Schematic Mallard HM Fee Battery

FIGURE:  
**3**



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Note: Imagery from ESRI, 2020. Borehole locations from GPS, Vertex Professional Services, Ltd., 2021.

## **ATTACHMENT 3**

Client Name: EOG Resources Inc.  
 Site Name: Mallard HM Fee Battery  
 NMOCD Tracking #: NMLB1212853714/2RP-1113  
 Project #: 21E-03278-08  
 Lab Reports: 2110374, 2110373, 2110481, 2201985, 2201B31, 2201A89, 2202152, 2202251, 2202153

Table 2. Initial Characterization Sample Field Screen and Laboratory Results - Depth to Groundwater >100 feet bgs												
Sample Description			Field Screening			Petroleum Hydrocarbons						Inorganic
Sample ID	Depth (ft)	Sample Date	Volatile Organic Compounds (PID)	Extractable Organic Compounds (PetroFlag)	Chloride Concentration	Volatile		Extractable				Chloride Concentration
						Benzene	BTEX (Total)	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	Total Petroleum Hydrocarbons (TPH)	
			(ppm)	(ppm)	(ppm)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
BG21-01	0	10/4/2021	-	46	6	ND	ND	ND	ND	ND	ND	ND
BG21-01	1	10/4/2021	-	17	26	ND	ND	ND	ND	ND	ND	ND
BG21-01	2	10/4/2021	-	33	1,230	ND	ND	ND	ND	ND	ND	470
BG21-01	3	10/4/2021	-	73	937	ND	ND	ND	ND	ND	ND	550
BG21-01	4	10/4/2021	-	80	985	ND	ND	ND	ND	ND	ND	540
BG21-01	5	10/5/2021	-	-	837	ND	ND	ND	ND	ND	ND	330
BG21-01	6	10/5/2021	-	-	702	ND	ND	ND	ND	ND	ND	300
BG21-01	7	10/5/2021	-	-	437	ND	ND	ND	ND	ND	ND	180
BG21-01	8	10/5/2021	-	-	247	ND	ND	ND	ND	ND	ND	130
BH21-01	0	10/4/2021	-	-	8,797	ND	ND	ND	340	830	1170	6200
BH21-01	1	10/4/2021	-	-	4,418	-	-	-	-	-	-	-
BH21-01	2	10/4/2021	-	-	4,973	ND	ND	ND	2600	5600	8200	4700
BH21-01	3	10/4/2021	-	-	5,319	-	-	-	-	-	-	-
BH21-01	4	10/4/2021	-	868	7,731	ND	ND	ND	61	130	191	2800
BH22-01	6	1/24/2022	2	1,268	560	-	-	-	-	-	-	-
BH22-01	8	1/24/2022	2	589	377	ND	ND	ND	450	500	950	660
BH22-01	10	1/24/2022	1	24	372	ND	ND	ND	ND	ND	ND	380
BH22-01	12	1/24/2022	1	44	277	-	-	-	-	-	-	-
BH21-02	0	10/4/2021	-	-	-	ND	ND	ND	110	290	400	ND
BH21-02	1	10/4/2021	-	-	77	-	-	-	-	-	-	-
BH21-02	2	10/4/2021	-	3,890	39	ND	ND	ND	310	960	1270	ND
BH21-03	0	10/4/2021	-	-	-	ND	ND	ND	96	250	346	ND
BH21-03	1	10/6/2021	360	8,060	0	-	-	-	-	-	-	-
BH21-03	2	10/6/2021	220	7,250	0	-	-	-	-	-	-	-
BH21-03	3	10/6/2021	340	280	0	-	-	-	-	-	-	-
BH21-03	4	10/6/2021	560	3,800	679	ND	ND	ND	740	760	1500	350
BH21-03	5	10/6/2021	620	-	3,378	-	-	-	-	-	-	-
BH21-03	6	10/6/2021	598	-	4,719	-	-	-	-	-	-	-
BH21-03	7	10/6/2021	387	-	3,254	-	-	-	-	-	-	-
BH21-03	8	10/6/2021	44	6,130	5,260	ND	ND	ND	940	860	1800	5800
BH21-03	9	10/6/2021	40	129	5,717	-	-	-	-	-	-	-
BH21-03	10	10/6/2021	38	79	4,153	-	-	-	-	-	-	-
BH21-03	11	10/6/2021	21	50	1,555	-	-	-	-	-	-	-
BH21-03	12	10/6/2021	16	64	2,115	-	-	-	-	-	-	-
BH21-03	13	10/6/2021	23	-	1,849	ND	ND	ND	23	ND	23	1100
BH21-04	0	10/4/2021	-	-	6,065	ND	ND	ND	ND	ND	ND	5100
BH21-04	1	10/4/2021	-	-	8,408	-	-	-	-	-	-	-
BH21-04	2	10/4/2021	-	-	8,800	ND	ND	ND	ND	ND	ND	7000
BH21-04	3	10/4/2021	-	-	7,240	-	-	-	-	-	-	-
BH21-04	4	10/4/2021	-	92	8,415	ND	ND	ND	ND	ND	ND	5500
BH21-04	5	10/5/2021	0	-	8,526	-	-	-	-	-	-	-
BH21-04	6	10/5/2021	0	136	8,882	ND	ND	ND	ND	ND	ND	4900
BH21-04	7	10/5/2021	0	-	8,893	-	-	-	-	-	-	-
BH21-04	8	10/5/2021	0	67	4,600	ND	ND	ND	ND	ND	ND	4000



BH21-04	9	10/6/2021	0	299	8,513	-	-	-	-	-	-	-
BH21-04	10	10/6/2021	0	33	2,731	ND	ND	ND	ND	ND	ND	2400
BH21-04	11	10/6/2021	0	27	1,935	ND	ND	ND	ND	ND	ND	1100
BH21-04	12	10/6/2021	0	23	1,092	ND	ND	ND	ND	ND	ND	680
BH21-05	0	10/4/2021	-	-	13,233	ND	ND	ND	ND	ND	ND	11000
BH21-05	1	10/4/2021	-	-	11,459	-	-	-	-	-	-	-
BH21-05	2	10/4/2021	-	-	9,395	ND	ND	ND	ND	ND	ND	7900
BH21-05	3	10/4/2021	-	-	8,314	-	-	-	-	-	-	-
BH21-05	4	10/4/2021	-	115	8,360	ND	ND	ND	ND	ND	ND	6900
BH21-05	5	10/5/2021	0	-	5,827	-	-	-	-	-	-	-
BH21-05	6	10/5/2021	0	87	7,727	ND	ND	ND	ND	ND	ND	5500
BH21-05	7	10/5/2021	0	-	7,996	-	-	-	-	-	-	-
BH21-05	8	10/5/2021	0	43	4,355	ND	ND	ND	ND	ND	ND	3700
BH21-05	9	10/6/2021	0	50	5,714	-	-	-	-	-	-	-
BH21-05	10	10/6/2021	0	40	2,824	ND	ND	ND	ND	ND	ND	1200
BH21-05	11	10/6/2021	0	11	1,090	ND	ND	ND	ND	ND	ND	690
BH21-05	12	10/6/2021	0	33	840	ND	ND	ND	ND	ND	ND	590
BH21-06	0	10/4/2021	-	-	252	ND	ND	ND	ND	ND	ND	160
BH21-06	1	10/4/2021	-	-	2,113	-	-	-	-	-	-	-
BH21-06	2	10/4/2021	-	-	4,538	ND	ND	ND	ND	ND	ND	3100
BH21-06	3	10/4/2021	-	-	4,571	-	-	-	-	-	-	-
BH21-06	4	10/4/2021	-	127	5,111	ND	ND	ND	ND	ND	ND	3800
BH21-06	5	10/5/2021	0	-	6,018	-	-	-	-	-	-	-
BH21-06	6	10/5/2021	0	59	5,326	ND	ND	ND	ND	ND	ND	4800
BH21-06	7	10/5/2021	0	-	4,450	-	-	-	-	-	-	-
BH21-06	8	10/5/2021	0	73	5,625	ND	ND	ND	ND	ND	ND	2300
BH21-07	0	10/4/2021	-	-	257	ND	ND	ND	ND	ND	ND	100
BH21-07	1	10/4/2021	-	-	2,503	-	-	-	-	-	-	-
BH21-07	2	10/4/2021	-	-	3,515	ND	ND	ND	ND	ND	ND	2400
BH21-07	3	10/4/2021	-	-	3,515	-	-	-	-	-	-	-
BH21-07	4	10/4/2021	-	63	3,890	ND	ND	ND	ND	ND	ND	2700
BH21-07	5	10/5/2021	0	-	4,415	-	-	-	-	-	-	-
BH21-07	6	10/5/2021	0	122	6,195	ND	ND	ND	ND	ND	ND	4800
BH21-07	7	10/5/2021	0	-	5,032	-	-	-	-	-	-	-
BH21-07	8	10/5/2021	0	67	2,291	ND	ND	ND	ND	ND	ND	1500
BH21-08	0	10/6/2021	0	-	9	ND	ND	ND	ND	ND	ND	ND
BH21-08	1	10/6/2021	0	-	188	-	-	-	-	-	-	-
BH21-08	2	10/6/2021	0	19	1,210	ND	ND	ND	ND	ND	ND	410
BH21-08	3	10/6/2021	0	22	1,478	ND	ND	ND	ND	ND	ND	820
BH21-08	4	10/6/2021	0	47	1,035	ND	ND	ND	ND	ND	ND	620
BH21-08	5	10/6/2021	0	28	232	ND	ND	ND	ND	ND	ND	130
BH21-08	6	10/6/2021	0	-	150	-	-	-	-	-	-	-
BH21-08	7	10/6/2021	0	-	120	-	-	-	-	-	-	-
BH21-08	8	10/6/2021	0	-	115	ND	ND	ND	250	230	480	2000
BH21-08	9	10/6/2021	0	-	130	-	-	-	-	-	-	-
BH21-08	10	10/6/2021	0	-	125	-	-	-	-	-	-	-
BH21-09	0	10/6/2021	68	-	10,386	ND	ND	ND	4600	3200	7800	14000
BH21-09	1	10/6/2021	110	64	15,516	-	-	-	-	-	-	-
BH21-09	2	10/6/2021	73	40	15,652	-	-	-	-	-	-	-
BH21-09	3	10/6/2021	60	23	11,248	-	-	-	-	-	-	-
BH21-09	4	10/6/2021	40	44	9,964	ND	ND	ND	ND	ND	ND	8300
BH21-09	5	10/6/2021	33	153	9,199	-	-	-	-	-	-	-
BH21-09	6	10/6/2021	20	29	3,671	-	-	-	-	-	-	-
BH21-09	7	10/6/2021	17	31	3,815	-	-	-	-	-	-	-
BH21-09	8	10/6/2021	30	220	3,050	-	-	-	-	-	-	-
BH21-09	9	10/6/2021	21	9	2,704	-	-	-	-	-	-	-
BH21-09	10	10/6/2021	1	40	5,432	-	-	-	-	-	-	-
BH21-09	11	10/6/2021	0	43	3,108	-	-	-	-	-	-	-
BH21-09	12	10/6/2021	0	48	3,255	-	-	-	-	-	-	-
BH21-09	13	10/6/2021	0	1,254	6,168	ND	ND	ND	1100	1000	2100	6600
BH22-10	0	1/24/2022	2	718	855	ND	ND	ND	130	150	280	670
BH22-10	3	1/24/2022	1	1,099	202	-	-	-	-	-	-	-
BH22-10	6	1/24/2022	4	2,162	220	ND	ND	ND	6100	6600	12700	83



BH22-10	10	1/24/2022	1	86	1,617	-	-	-	-	-	-	-
BH22-10	12	1/24/2022	1	30	767	ND	ND	ND	ND	ND	ND	870
BH22-11	0	1/24/2022	1	3,748	85	ND	ND	ND	270	910	1180	ND
BH22-11	3	1/24/2022	1	36	190	-	-	-	-	-	-	-
BH22-11	6	1/24/2022	1	54	227	ND	ND	ND	68	170	238	85
BH22-12	0	1/24/2022	0	-	-	ND	ND	ND	280	690	970	400
BH22-12	3	1/24/2022	2,067	-	-	-	-	-	-	-	-	-
BH22-12	6	1/24/2022	2,067	-	-	ND	0.1	35	6000	2900	8935	2900
BH22-12	10	1/24/2022	291	-	5,060	-	-	-	-	-	-	-
BH22-12	12	1/24/2022	277	-	2,937	ND	0.17	41	5500	2300	7841	2800
BH22-13	0	1/24/2022	0	5,850	147	ND	ND	ND	290	830	1120	ND
BH22-13	6	1/24/2022	1	2,430	175	ND	ND	ND	290	640	930	ND
BH22-13	10	1/24/2022	1	2,100	167	-	-	-	-	-	-	-
BH22-13	12	1/24/2022	0	1,870	147	ND	ND	ND	84	340	424	64
BH22-14	0	1/24/2022	0	6,480	210	ND	ND	ND	570	1800	2370	140
BH22-14	3	1/24/2022	0	50	305	-	-	-	-	-	-	-
BH22-14	6	1/24/2022	0	10	287	ND	ND	ND	ND	ND	ND	100
BH22-14	10	1/24/2022	2	130	425	-	-	-	-	-	-	-
BH22-14	12	1/24/2022	1	0	287	ND	ND	ND	ND	ND	ND	63
BH22-15	0	1/24/2022	0	2,640	368	ND	ND	ND	69	280	349	140
BH22-15	3	1/24/2022	0	2,420	459	-	-	-	-	-	-	-
BH22-15	6	1/24/2022	0	210	202	ND	ND	ND	17	55	72	ND
BH22-15	10	1/24/2022	0	0	281	-	-	-	-	-	-	-
BH22-15	12	1/24/2022	0	0	107	ND	ND	ND	ND	ND	ND	ND
BH22-16	0	1/25/2022	0	188	420	ND	ND	ND	ND	ND	ND	220
BH22-16	3	1/25/2022	0	1,024	282	ND	ND	ND	330	1200	1550	ND
BH22-16	6	1/25/2022	0	0	325	ND	ND	ND	ND	ND	ND	ND
BH22-17	0	1/25/2022	0	12	505	ND	ND	ND	18	ND	18	ND
BH22-17	3	1/25/2022	0	1	325	ND	ND	ND	ND	ND	ND	ND
BH22-17	6	1/25/2022	0	0	265	ND	ND	ND	ND	ND	ND	ND
BH22-18	0	1/25/2022	0	11	460	ND	ND	ND	ND	ND	ND	ND
BH22-18	3	1/25/2022	0	1	220	ND	ND	ND	ND	ND	ND	ND
BH22-18	6	1/25/2022	0	0	180	ND	ND	ND	ND	ND	ND	ND
BH22-19	0	1/25/2022	0	19	517	ND	ND	ND	ND	ND	ND	63
BH22-19	3	1/25/2022	0	8	272	ND	ND	ND	ND	ND	ND	ND
BH22-19	6	1/25/2022	0	13	240	ND	ND	ND	ND	ND	ND	ND
BH22-20	0	1/25/2022	0	2,562	1,300	ND	ND	ND	450	1100	1550	1900
BH22-20	3	1/25/2022	0	5	397	ND	ND	ND	ND	ND	ND	210
BH22-20	6	1/25/2022	0	8	347	ND	ND	ND	ND	ND	ND	230
BH22-21	0	1/25/2022	0	14	1,267	ND	ND	ND	ND	ND	ND	1600
BH22-21	3	1/25/2022	0	38	902	-	-	-	-	-	-	-
BH22-21	6	1/25/2022	0	29	707	ND	ND	ND	ND	ND	ND	530
BH22-21	9	1/25/2022	0	12	1,267	-	-	-	-	-	-	-
BH22-21	12	1/25/2022	0	32	1,075	ND	ND	ND	ND	ND	ND	850
BH22-22	0	1/25/2022	0	24	2,980	ND	ND	ND	ND	ND	ND	2400
BH22-22	3	1/25/2022	0	34	1,871	-	-	-	-	-	-	-
BH22-22	6	1/25/2022	0	43	1,277	ND	ND	ND	ND	ND	ND	1300
BH22-22	9	1/25/2022	0	0	2,095	-	-	-	-	-	-	-
BH22-22	12	1/25/2022	0	29	1,745	ND	ND	ND	10	ND	10	1500
BH22-23	0	1/25/2022	0	48	1,267	ND	ND	ND	92	220	312	2000
BH22-23	3	1/25/2022	0	36	1,927	-	-	-	-	-	-	-
BH22-23	6	1/25/2022	0	84	1,330	ND	ND	ND	ND	ND	ND	820
BH22-23	9	1/25/2022	0	172	617	-	-	-	-	-	-	-
BH22-23	12	1/25/2022	0	325	505	ND	ND	ND	42	ND	42	310
BH22-24	0	1/26/2022	0	25	1,002	ND	ND	ND	ND	ND	ND	1600
BH22-24	3	1/26/2022	0	12	3,350	-	-	-	-	-	-	-
BH22-24	6	1/26/2022	0	11	4,382	ND	ND	ND	ND	ND	ND	3700
BH22-24	9	1/26/2022	0	1	3,621	-	-	-	-	-	-	-
BH22-24	12	1/26/2022	0	0	3,278	ND	ND	ND	ND	ND	ND	590
BH22-25	0	1/26/2022	0	69	325	ND	ND	ND	ND	ND	ND	ND
BH22-25	3	1/26/2022	0	21	935	-	-	-	-	-	-	-
BH22-25	6	1/26/2022	0	10	772	ND	ND	ND	ND	ND	ND	680
BH22-25	9	1/26/2022	0	5	1,112	-	-	-	-	-	-	-



BH22-25	12	1/26/2022	0	1	1,049	ND	ND	ND	ND	ND	ND	1200
BH22-26	0	1/26/2022	0	23	4,582	ND	ND	ND	10	ND	10	6300
BH22-26	3	1/26/2022	0	18	3,694	-	-	-	-	-	-	-
BH22-26	6	1/26/2022	0	1	2,145	ND	ND	ND	ND	ND	ND	2300
BH22-26	9	1/26/2022	0	2	2,062	-	-	-	-	-	-	-
BH22-26	12	1/26/2022	0	0	1,991	ND	ND	ND	ND	ND	ND	2500
BH22-27	0	1/26/2022	0	51	180	ND	ND	ND	48	150	198	ND
BH22-27	3	1/26/2022	0	37	290	-	-	-	-	-	-	-
BH22-27	6	1/26/2022	0	12	1,170	ND	ND	ND	ND	ND	ND	1000
BH22-27	9	1/26/2022	0	1	1,117	-	-	-	-	-	-	-
BH22-27	12	1/26/2022	0	0	962	ND	ND	ND	ND	ND	ND	1300
BH22-28	0	1/26/2022	0	53	255	ND	ND	ND	ND	ND	ND	120
BH22-28	3	1/26/2022	0	30	350	ND	ND	ND	ND	ND	ND	88
BH22-28	6	1/26/2022	0	17	405	ND	ND	ND	ND	ND	ND	280
BH22-29	0	1/26/2022	0	48	245	ND	ND	ND	18	ND	18	ND
BH22-29	3	1/26/2022	0	22	275	ND	ND	ND	ND	ND	ND	ND
BH22-29	6	1/26/2022	0	16	275	ND	ND	ND	ND	ND	ND	87
BH22-30	0	1/26/2022	0	278	728	ND	ND	ND	9.5	ND	9.5	380
BH22-30	3	1/26/2022	0	572	946	-	-	-	-	-	-	-
BH22-30	6	1/26/2022	0	98	1,172	ND	ND	ND	ND	ND	ND	410
BH22-30	9	1/26/2022	0	94	1,280	-	-	-	-	-	-	-
BH22-30	12	1/26/2022	0	25	1,129	ND	ND	ND	63	ND	63	140
BH22-31	0	1/27/2022	0	27	317	ND	ND	ND	ND	ND	ND	ND
BH22-31	3	1/27/2022	0	3	692	ND	ND	ND	ND	ND	ND	560
BH22-31	6	1/27/2022	0	0	377	ND	ND	ND	ND	ND	ND	410
BH22-32	0	1/27/2022	0	21	312	ND	ND	ND	ND	ND	ND	ND
BH22-32	3	1/27/2022	0	5	400	ND	ND	ND	ND	ND	ND	260
BH22-32	6	1/27/2022	0	1	195	ND	ND	ND	ND	ND	ND	ND
BH22-33	0	1/27/2022	0	37	242	ND	ND	ND	ND	ND	ND	ND
BH22-33	3	1/27/2022	0	0	420	ND	ND	ND	ND	ND	ND	450
BH22-33	6	1/27/2022	0	12	380	ND	ND	ND	ND	ND	ND	460
BH22-34	0	1/27/2022	0	29	240	ND	ND	ND	ND	ND	ND	110
BH22-34	3	1/27/2022	0	13	295	ND	ND	ND	ND	ND	ND	ND
BH22-34	6	1/27/2022	0	11	277	ND	ND	ND	ND	ND	ND	ND
BH22-35	0	1/27/2022	0	4	186	ND	ND	ND	ND	ND	ND	ND
BH22-35	3	1/27/2022	0	2	544	ND	ND	ND	ND	ND	ND	460
BH22-35	6	1/27/2022	0	0	226	ND	ND	ND	ND	ND	ND	120
BH22-36	0	1/27/2022	0	-	5,465	ND	ND	ND	ND	ND	ND	9000
BH22-36	3	1/27/2022	0	-	2,278	-	-	-	-	-	-	-
BH22-36	6	1/27/2022	0	-	1,215	ND	ND	ND	ND	ND	ND	1700
BH22-36	9	1/27/2022	0	-	2,603	-	-	-	-	-	-	-
BH22-36	12	1/27/2022	0	-	2,603	ND	ND	ND	ND	ND	ND	2400
BH22-37	0	1/27/2022	0	-	3,647	ND	ND	ND	ND	ND	ND	5600
BH22-37	3	1/27/2022	0	-	1,802	-	-	-	-	-	-	-
BH22-37	6	1/27/2022	0	-	899	ND	ND	ND	ND	ND	ND	1000
BH22-37	9	1/27/2022	0	-	1,665	-	-	-	-	-	-	-
BH22-37	12	1/27/2022	0	-	1,509	ND	ND	ND	ND	ND	ND	1400
BH22-38	0	1/27/2022	0	-	4,760	ND	ND	ND	ND	ND	ND	7000
BH22-38	3	1/27/2022	0	-	1,215	-	-	-	-	-	-	-
BH22-38	6	1/27/2022	0	-	760	ND	ND	ND	ND	ND	ND	410
BH22-38	9	1/27/2022	0	-	775	-	-	-	-	-	-	-
BH22-38	12	1/27/2022	0	38	346	ND	ND	ND	ND	ND	ND	130
BH22-39	0	1/27/2022	0	-	4,911	ND	ND	ND	ND	ND	ND	15000
BH22-39	3	1/27/2022	0	-	3,004	-	-	-	-	-	-	-
BH22-39	6	1/27/2022	0	-	2,683	ND	ND	ND	ND	ND	ND	3200
BH22-39	9	1/27/2022	0	-	2,078	-	-	-	-	-	-	-
BH22-39	12	1/27/2022	0	-	1,547	ND	ND	ND	ND	ND	ND	1700
BH22-40	0	1/28/2022	0	776	235	ND	ND	ND	18	150	168	ND
BH22-40	3	1/28/2022	0	28	335	ND	ND	ND	ND	ND	ND	ND
BH22-40	6	1/28/2022	0	14	190	ND	ND	ND	ND	ND	ND	ND
BH22-41	0	1/28/2022	0	418	260	ND	ND	ND	15	61	76	ND
BH22-41	3	1/28/2022	0	76	400	-	-	-	-	-	-	-
BH22-41	6	1/28/2022	0	-	962	ND	ND	ND	ND	ND	ND	610



BH22-41	9	1/28/2022	0	40	605	ND	ND	ND	ND	ND	ND	380
BH22-42	0	1/28/2022	0	35	315	ND	ND	ND	22	ND	22	ND
BH22-42	3	1/28/2022	0	19	400	ND	ND	ND	ND	ND	ND	2200
BH22-42	6	1/28/2022	0	16	567	ND	ND	ND	ND	ND	ND	330
BH22-43	0	1/28/2022	0	20	167	ND	ND	ND	66	210	276	ND
BH22-43	3	1/28/2022	0	57	110	ND	ND	ND	ND	ND	ND	160
BH22-43	6	1/28/2022	0	47	552	ND	ND	ND	ND	ND	ND	370
BH22-44	0	1/28/2022	0	52	315	ND	ND	ND	ND	ND	ND	ND
BH22-44	3	1/28/2022	0	29	260	ND	ND	ND	ND	ND	ND	1300
BH22-44	6	1/28/2022	0	30	292	ND	ND	ND	ND	ND	ND	130
BH22-45	0	2/1/2022	0	13	265	ND	ND	ND	ND	ND	ND	ND
BH22-45	3	2/1/2022	0	5	802	ND	ND	ND	ND	ND	ND	140
BH22-45	6	2/1/2022	0	16	837	ND	ND	ND	ND	ND	ND	220
BH22-45	9	2/1/2022	0	60	400	ND	ND	ND	ND	ND	ND	490
BH22-45	12	2/1/2022	0	41	290	ND	ND	ND	ND	ND	ND	740
BH22-46	0	2/1/2022	0	22	237	ND	ND	ND	ND	ND	ND	ND
BH22-46	3	2/1/2022	0	21	1,400	ND	ND	ND	ND	ND	ND	770
BH22-46	6	2/1/2022	0	30	1,002	ND	ND	ND	ND	ND	ND	800
BH22-46	9	2/1/2022	0	29	387	ND	ND	ND	ND	ND	ND	380
BH22-46	12	2/1/2022	0	12	525	ND	ND	ND	ND	ND	ND	1300
BH22-47	0	2/1/2022	0	36	252	ND	ND	ND	ND	ND	ND	ND
BH22-47	3	2/1/2022	0	31	342	ND	ND	ND	ND	ND	ND	200
BH22-47	6	2/1/2022	0	17	480	ND	ND	ND	ND	ND	ND	200
BH22-48	0	2/1/2022	0	24	285	ND	ND	ND	ND	ND	ND	ND
BH22-48	3	2/1/2022	0	42	362	ND	ND	ND	ND	ND	ND	190
BH22-48	6	2/1/2022	0	57	275	ND	ND	ND	ND	ND	ND	140
BH22-49	0	2/1/2022	0	5	400	ND	ND	ND	ND	ND	ND	ND
BH22-49	3	2/1/2022	0	9	377	ND	ND	ND	ND	ND	ND	ND
BH22-49	6	2/1/2022	0	1	275	ND	ND	ND	ND	ND	ND	ND
BH22-50	0	2/1/2022	0	18	330	ND	ND	ND	ND	ND	ND	ND
BH22-50	3	2/1/2022	0	3	322	ND	ND	ND	ND	ND	ND	ND
BH22-50	6	2/1/2022	0	0	275	ND	ND	ND	ND	ND	ND	ND
BH22-51	0	2/1/2022	0	21	387	ND	ND	ND	ND	ND	ND	ND
BH22-51	3	2/1/2022	0	12	1,835	ND	ND	ND	ND	ND	ND	1100
BH22-51	6	2/1/2022	0	1	560	ND	ND	ND	ND	ND	ND	270
BH22-52	0	2/1/2022	0	0	380	ND	ND	ND	ND	ND	ND	ND
BH22-52	3	2/1/2022	0	0	225	ND	ND	ND	ND	ND	ND	ND
BH22-52	6	2/1/2022	0	0	110	ND	ND	ND	ND	ND	ND	ND
BH22-53	0	2/2/2022	0	569	1,400	ND	ND	ND	ND	ND	ND	4300
BH22-53	3	2/2/2022	0	128	1,260	-	-	-	-	-	-	-
BH22-53	6	2/2/2022	0	110	1,235	ND	ND	ND	ND	ND	ND	2200
BH22-53	9	2/2/2022	0	89	550	-	-	-	-	-	-	-
BH22-53	12	2/2/2022	0	80	582	ND	ND	ND	ND	ND	ND	1500
BH22-54	0	2/2/2022	0	832	1,275	ND	ND	ND	ND	ND	ND	1100
BH22-54	3	2/2/2022	0	460	962	-	-	-	-	-	-	-
BH22-54	6	2/2/2022	0	174	780	ND	ND	ND	ND	ND	ND	470
BH22-54	9	2/2/2022	0	50	592	-	-	-	-	-	-	-
BH22-54	12	2/2/2022	0	31	590	ND	ND	ND	ND	ND	ND	280
BH22-55	0	2/2/2022	0	917	940	ND	ND	ND	ND	ND	ND	1200
BH22-55	3	2/2/2022	0	529	752	-	-	-	-	-	-	-
BH22-55	6	2/2/2022	0	92	377	ND	ND	ND	ND	ND	ND	810
BH22-55	9	2/2/2022	0	87	355	-	-	-	-	-	-	-
BH22-55	12	2/2/2022	0	40	242	ND	ND	ND	ND	ND	ND	110
BH22-56	0	2/2/2022	0	15	377	ND	ND	ND	ND	ND	ND	ND
BH22-56	3	2/2/2022	0	12	425	ND	ND	ND	ND	ND	ND	280
BH22-56	6	2/2/2022	0	1	325	ND	ND	ND	ND	ND	ND	210
BH22-57	0	2/2/2022	0	15	290	ND	ND	ND	ND	ND	ND	ND
BH22-57	3	2/2/2022	0	6	242	ND	ND	ND	ND	ND	ND	1900
BH22-57	6	2/2/2022	0	4	160	ND	ND	ND	ND	ND	ND	1400
BH22-58	0	2/2/2022	0	9	325	ND	ND	ND	12	57	69	ND
BH22-58	3	2/2/2022	0	0	270	ND	ND	ND	ND	ND	ND	1600
BH22-58	6	2/2/2022	0	0	270	ND	ND	ND	ND	ND	ND	1000



"ND" Not Detected at the Reporting Limit

"-" indicates not analyzed/assessed

**Bold and grey shaded indicates exceedance outside of NMOCD Closure Criteria (on-pad)**

**Bold and green shaded indicates exceedance outside of NMOCD Reclamation Criteria (off-pad)**

Client Name: EOG Resources Inc.  
 Site Name: Mallard HM Fee Battery  
 NMOCD Tracking #: NMLB1212853714/2RP-1113  
 Project #: 21E-03278-08  
 Lab Reports: 2203351, 2203505, 2203498

**Table 3. Excavation Characterization Sample Field Screen and Laboratory Results - Depth to Groundwater >100 feet bgs**

Sample Description			Field Screening			Petroleum Hydrocarbons						Inorganic
Sample ID	Depth (ft)	Sample Date	Volatile Organic Compounds (PID)	Extractable Organic Compounds (PetroFlag)	Chloride Concentration	Volatile		Extractable				Chloride Concentration
						Benzene	BTEX (Total)	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	Total Petroleum Hydrocarbons (TPH)	
			(ppm)	(ppm)	(ppm)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
BH22-01	0-4'	3/3/2022	-	40	283	ND	ND	ND	ND	ND	ND	ND
BH22-02	0-4'	3/3/2022	-	45	370	ND	ND	ND	ND	ND	ND	110
BH22-03	0-4'	3/3/2022	-	23	280	ND	ND	ND	ND	ND	ND	81
BH22-04	0-4'	3/3/2022	-	21	250	ND	ND	ND	ND	ND	ND	83
BH22-05	0-4'	3/3/2022	-	35	377	ND	ND	ND	ND	ND	ND	170
BH22-06	0-4'	3/3/2022	-	64	377	ND	ND	ND	ND	ND	ND	190
BH22-07	0-4'	3/3/2022	-	46	363	ND	ND	ND	ND	ND	ND	380
BH22-08	0-4'	3/3/2022	-	3,000	1,405	ND	ND	ND	5200	2900	8100	1600
BH22-09	0-4'	3/3/2022	-	66	715	ND	ND	ND	ND	ND	ND	510
BH22-10	0-4'	3/3/2022	-	19	2,180	ND	ND	ND	ND	ND	ND	1500
BH22-11	0-4'	3/3/2022	-	59	4,905	ND	ND	ND	ND	ND	ND	4800
BH22-12	0-4'	3/3/2022	-	109	205	ND	ND	ND	ND	ND	ND	ND
BH22-13	0-4'	3/3/2022	-	324	1,435	ND	ND	ND	50	110	160	1300
BH22-14	0-4'	3/3/2022	-	274	1,418	ND	ND	ND	58	140	198	980
BH22-15	0-4'	3/3/2022	-	16	172	ND	ND	ND	ND	ND	ND	ND
BH22-16	0-4'	3/3/2022	-	12	150	ND	ND	ND	ND	ND	ND	ND
BH22-17	0-4'	3/3/2022	-	23	230	ND	ND	ND	ND	ND	ND	120
BH22-18	0-4'	3/3/2022	-	9	260	ND	ND	ND	ND	ND	ND	200
BH22-19	0-4'	3/3/2022	-	15	220	ND	ND	ND	ND	ND	ND	100
BH22-20	0-4'	3/3/2022	-	30	2,075	ND	ND	ND	ND	ND	ND	2000
BH22-21	0-4'	3/3/2022	-	45	1,450	ND	ND	ND	ND	ND	ND	1500
BH22-22	0-4'	3/3/2022	-	42	3,220	ND	ND	ND	ND	ND	ND	2100
BH22-23	0-4'	3/3/2022	-	39	6,370	ND	ND	ND	ND	ND	ND	6200
BH22-24	0-4'	3/3/2022	-	25	372	ND	ND	ND	ND	ND	ND	6000
BH22-25	0-4'	3/3/2022	-	30	250	ND	ND	ND	ND	ND	ND	1700
BH22-26	4'	3/4/2022	-	72	757	ND	ND	ND	ND	ND	ND	290
BH22-27	4'	3/4/2022	-	53	1,590	ND	ND	ND	ND	ND	ND	980
BH22-28	4'	3/4/2022	-	569	582	ND	ND	ND	ND	ND	ND	330
BH22-29	4'	3/4/2022	-	567	2,695	ND	ND	ND	110	120	230	2100
BH22-30	4'	3/4/2022	-	53	1,067	ND	ND	ND	ND	ND	ND	640
BH22-31	4'	3/4/2022	-	104	3,355	ND	ND	ND	15	ND	15	3100
BH22-32	4'	3/4/2022	-	50	875	ND	ND	ND	ND	ND	ND	610
BH22-33	4'	3/4/2022	-	3,300	3,437	ND	ND	ND	890	510	1400	2800
BH22-34	4'	3/4/2022	-	70	902	ND	ND	ND	11	ND	11	600
BH22-35	4'	3/4/2022	-	78	3,317	ND	ND	ND	ND	ND	ND	ND
BH22-36	4'	3/4/2022	-	692	785	ND	ND	ND	590	230	820	500
BH22-37	4'	3/4/2022	-	68	1,595	ND	ND	ND	ND	ND	ND	1700
BH22-38	4'	3/4/2022	-	7,070	3,655	ND	ND	ND	1800	1200	3000	2800
BH22-39	4'	3/4/2022	-	98	7,390	ND	ND	ND	ND	ND	ND	7300
BH22-40	4'	3/4/2022	-	27	100	ND	ND	ND	ND	ND	ND	100
BH22-41	4'	3/4/2022	-	2,620	270	ND	ND	ND	1100	760	1860	290
BH22-42	4'	3/4/2022	-	160	5,120	ND	ND	ND	ND	ND	ND	5200
BH22-43	4'	3/4/2022	-	25	375	ND	ND	ND	ND	ND	ND	300



Table 3. Excavation Characterization Sample Field Screen and Laboratory Results - Depth to Groundwater >100 feet bgs												
Sample Description			Field Screening			Petroleum Hydrocarbons						Inorganic
Sample ID	Depth (ft)	Sample Date	Volatile Organic Compounds (PID)	Extractable Organic Compounds (PetroFlag)	Chloride Concentration	Volatile		Extractable				Chloride Concentration
						Benzene	BTEX (Total)	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	Total Petroleum Hydrocarbons (TPH)	
			(ppm)	(ppm)	(ppm)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
BH22-44	4'	3/4/2022	-	23	3,580	ND	ND	ND	ND	ND	ND	2300
BH22-45	4'	3/4/2022	-	39	2,115	ND	ND	ND	ND	ND	ND	2000
BH22-46	4'	3/4/2022	-	155	2,778	ND	ND	ND	ND	ND	ND	2600
BH22-47	4'	3/4/2022	-	268	885	ND	ND	ND	29	58	87	580
BH22-48	4'	3/4/2022	-	62	765	ND	ND	ND	ND	ND	ND	670
BH22-49	4'	3/4/2022	-	75	993	ND	ND	ND	ND	ND	ND	840
BH22-50	4'	3/4/2022	-	113	2,288	ND	ND	ND	ND	ND	ND	2200



## **ATTACHMENT 4**



# Daily Site Visit Report

Client:	<u>EOG Resources Inc.</u>	Inspection Date:	<u>9/29/2021</u>
Site Location Name:	<u>Mallard HM Fee Battery</u>	Report Run Date:	<u>9/29/2021 9:28 PM</u>
Client Contact Name:	<u>Chase Settle</u>	API #:	<u>30-015-22052</u>
Client Contact Phone #:	<u>575-703-6537</u>		
Unique Project ID	<u></u>	Project Owner:	<u></u>
Project Reference #	<u></u>	Project Manager:	<u></u>

## Summary of Times

Arrived at Site	<u>9/29/2021 11:55 AM</u>
Departed Site	<u>9/29/2021 12:28 PM</u>

## Field Notes

- 12:05** Site schematic of excavation area looked larger than what the actual containment is. Area has vegetation growing throughout and no visual signs of any staining
- 12:15** Area where spill occurred has new gravel where excavation took place
- 12:21** Top four feet had previously been excavated and replaced with clean soil. Collect discreet samples from surface to 4 ft to determine if all is clean and move to confirmation sampling
- 12:26** Dtgw shows >100 feet. Top four foot to be sampled to determine its under criteria and closure report can be completed

## Next Steps & Recommendations

- 1 Complete delineation
- 2 Determine if confirmation sampling can be scheduled after lab analysis
- 3 Closure report



# Daily Site Visit Report

## Site Photos

Viewing Direction: North



Descriptive Photo - 10  
Viewing Direction: North  
Date: 9/29/2021 12:27:52 PM  
Created: 9/29/2021 12:27:52 PM  
Lat:32.716276, Long:-104.388290

Containment area where release occurred

Viewing Direction: Northeast



Descriptive Photo - 10  
Viewing Direction: Northeast  
Date: Containment area  
Created: 9/29/2021 12:27:52 PM  
Lat:32.716276, Long:-104.388290

Containment area

Viewing Direction: East



Descriptive Photo - 11  
Viewing Direction: East  
Date: South side of containment  
Created: 9/29/2021 12:28:16 PM  
Lat:32.716276, Long:-104.388290

South side of containment

Viewing Direction: North



Descriptive Photo - 2  
Viewing Direction: North  
Date: West side  
Created: 9/29/2021 12:14:59 PM  
Lat:32.716276, Long:-104.388290

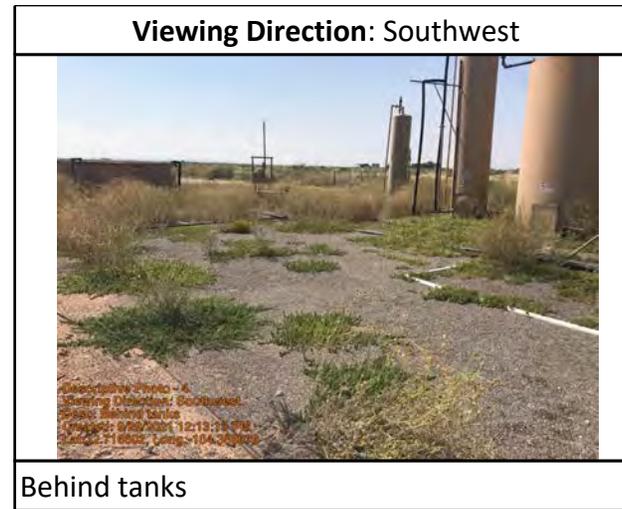
West side



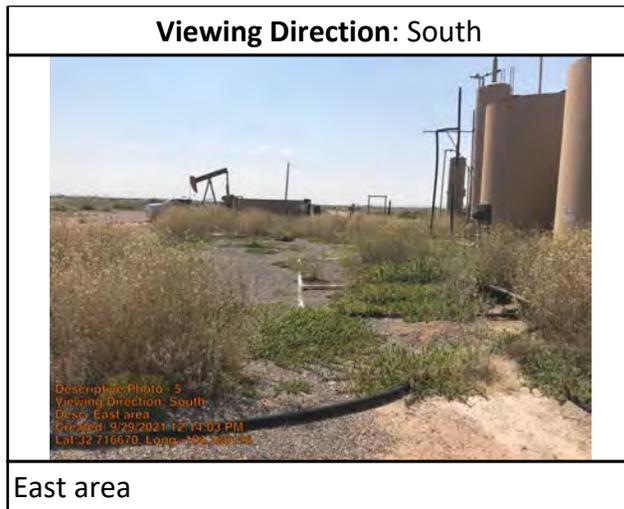
# Daily Site Visit Report



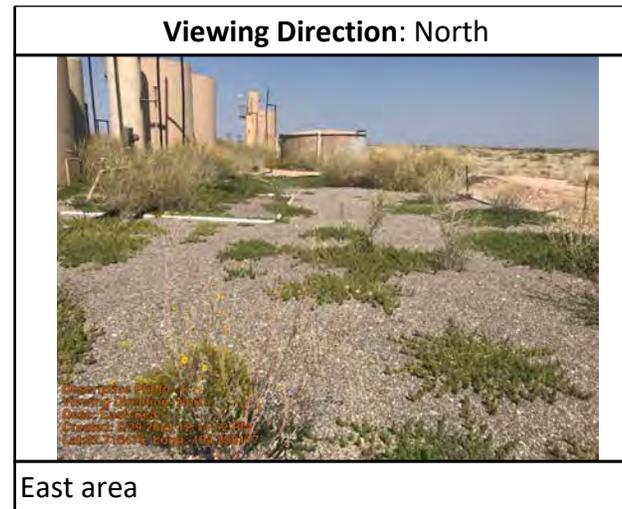
South end



Behind tanks



East area



East area



# Daily Site Visit Report



# Daily Site Visit Report



Daily Site Visit Signature

**Inspector:** Monica Peppin

**Signature:**

Signature

A handwritten signature in black ink, appearing to be 'M Peppin', written over a thin horizontal line. The word 'Signature' is printed in a small font below the line.



# Daily Site Visit Report

Client:	<u>EOG Resources Inc.</u>	Inspection Date:	<u>10/4/2021</u>
Site Location Name:	<u>Mallard HM Fee Battery</u>	Report Run Date:	<u>10/5/2021 2:47 PM</u>
Client Contact Name:	<u>Chase Settle</u>	API #:	<u>30-015-22052</u>
Client Contact Phone #:	<u>575-703-6537</u>		
Unique Project ID	<u></u>	Project Owner:	<u></u>
Project Reference #	<u></u>	Project Manager:	<u></u>

## Summary of Times

Arrived at Site	<u>10/4/2021 8:30 AM</u>
Departed Site	<u>10/4/2021 4:00 PM</u>

## Field Notes

- 10:24** Sampling within containment area to look for contamination. Bh1 has a layer of dark black stained soil around 1-2 ft. Actual depth samples do not contain the staining or odor. Bh2 is within lea gravel. Hitting refusal at 2 ft due to cobbles and surface is caving in when attempting to collect sample
- 12:13** Will complete vertical delineation with GeoProbe. Working on horizontal delineation to get approximate extents of area that is contaminated. Field screens are high in chlorides
- 15:40** Background sample taken to determine if elevated chlorides exist naturally in the area

## Next Steps & Recommendations

- 1** Finish delineation



# Daily Site Visit Report

## Site Photos

Viewing Direction: Northeast



Descriptive Photo - 1  
Viewing Direction: Northeast  
Date: 10/4/2021  
Created: 10/4/2021 11:52:08 AM  
Lat:32.718675, Long:-104.388002

BH21-01

Viewing Direction: East



Descriptive Photo - 2  
Viewing Direction: East  
Date: 10/4/2021  
Created: 10/4/2021 11:52:08 AM  
Lat:32.718675, Long:-104.388002

BH21-02

Viewing Direction: Northwest



Descriptive Photo - 3  
Viewing Direction: Northwest  
Date: 10/4/2021  
Created: 10/4/2021 12:28:48 AM  
Lat:32.718675, Long:-104.388002

BH21-03

Viewing Direction: North



Descriptive Photo - 4  
Viewing Direction: North  
Date: Area of BH4-BH7  
Created: 10/4/2021 12:51:48 PM  
Lat:32.718675, Long:-104.388002

Area of BH4-BH7



# Daily Site Visit Report

**Viewing Direction: West**

Area sampled

Shot from BG21-01  
Viewing Direction: West  
Date: 10/5/2021  
Created: 10/5/2021 2:47 PM  
Lat: 32.718547, Long: -100.947505

**Viewing Direction: Northeast**

BG21-01

Shot from BG21-01  
Viewing Direction: Northeast  
Date: 10/5/2021  
Created: 10/5/2021 2:58:55 PM  
Lat: 32.718547, Long: -100.947505

# Daily Site Visit Report



Daily Site Visit Signature

**Inspector:** Monica Peppin

**Signature:**



# Daily Site Visit Report

Client:	<u>EOG Resources Inc.</u>	Inspection Date:	<u>10/5/2021</u>
Site Location Name:	<u>Mallard HM Fee Battery</u>	Report Run Date:	<u>10/7/2021 1:22 PM</u>
Client Contact Name:	<u>Chase Settle</u>	API #:	<u>30-015-22052</u>
Client Contact Phone #:	<u>575-703-6537</u>		
Unique Project ID	<u></u>	Project Owner:	<u></u>
Project Reference #	<u></u>	Project Manager:	<u></u>

### Summary of Times

Arrived at Site	<u>10/5/2021 9:30 AM</u>
Departed Site	<u>10/5/2021 4:00 PM</u>

### Field Notes

- 15:19** Arrived on site with geoprobe to characterize vertical extent of spill area.
- 7:20** Took BH21-04, BH21-05, BH21-06, BH21-07 from 4'-8'.  
Took BG21-01 from 4'-8'.

### Next Steps & Recommendations

- 1** Continue characterization



# Daily Site Visit Report

## Site Photos

Viewing Direction: North



Descriptive Photo - 1  
Viewing Direction: North  
Date: Spill area  
Created: 10/5/2021 3:22:28 PM  
Lat:32.718441, Long:-104.387832

Spill area

Viewing Direction: North



Descriptive Photo - 2  
Viewing Direction: North  
Date: Spill area east side of tank battery  
Created: 10/5/2021 3:23:28 PM  
Lat:32.718439, Long:-104.388018

Spill area east side of tank battery

Viewing Direction: South



Descriptive Photo - 3  
Viewing Direction: South  
Date: Spill area east side of tank battery  
Created: 10/5/2021 3:21:32 PM  
Lat:32.718881, Long:-104.388363

Spill area east side of tank battery

Viewing Direction: South

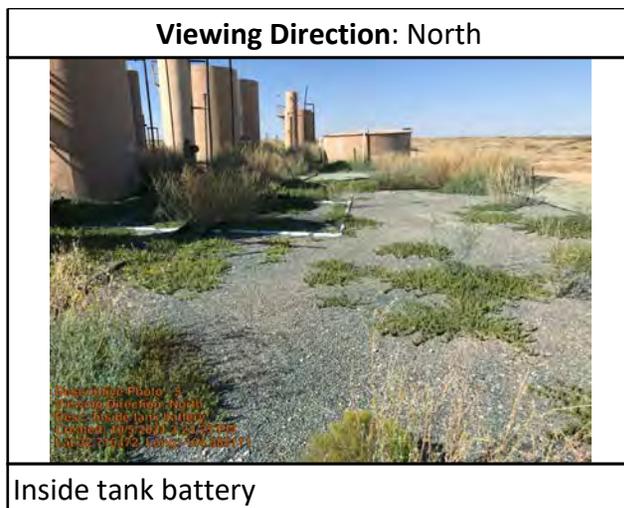


Descriptive Photo - 4  
Viewing Direction: South  
Date: Inside tank battery. Green with a weed spray  
Created: 10/5/2021 3:23:21 PM  
Lat:32.718883, Long:-104.388363

Inside tank battery. Green color is weed spray.



# Daily Site Visit Report



# Daily Site Visit Report



Daily Site Visit Signature

**Inspector:** Austin Harris

**Signature:**

A handwritten signature in black ink, appearing to be 'AH' with a long horizontal stroke extending to the right.

Signature



# Daily Site Visit Report

Client:	<u>EOG Resources Inc.</u>	Inspection Date:	<u>10/6/2021</u>
Site Location Name:	<u>Mallard HM Fee Battery</u>	Report Run Date:	<u>10/7/2021 1:24 PM</u>
Client Contact Name:	<u>Chase Settle</u>	API #:	<u>30-015-22052</u>
Client Contact Phone #:	<u>575-703-6537</u>		
Unique Project ID	<u></u>	Project Owner:	<u></u>
Project Reference #	<u></u>	Project Manager:	<u></u>

### Summary of Times

Arrived at Site	<u>10/6/2021 8:15 AM</u>
Departed Site	<u>10/6/2021 6:00 PM</u>

### Field Notes

**17:53** Took BH21-04 and BH21-05 from 8'-12' hitting refusal.  
 Began BH21-03 and BH21-09 from zero' to 13' .  
 BH21-08 went from zero' to 10' at refusal.

### Next Steps & Recommendations

- 1 Continue characterization



# Daily Site Visit Report

## Site Photos

Viewing Direction: North



Descriptive Photo - 1  
Viewing Direction: North  
Desc: BH21-03 within containment  
Created: 10/6/2021 5:47:40 PM  
Lat: 36.716543 Long: -104.388072

BH21-03 within containment

Viewing Direction: North



Descriptive Photo - 2  
Viewing Direction: North  
Desc: BH21-08 was stepping out to east to find edge of spill  
Created: 10/6/2021 5:47:40 PM  
Lat: 36.716543 Long: -104.388072

BH21-08 was stepping out to east to find edge of spill

Viewing Direction: South



Descriptive Photo - 3  
Viewing Direction: South  
Desc: BH21-09 near Southeast corner of tank battery trying to find south edge of spill.  
Created: 10/6/2021 5:47:40 PM  
Lat: 36.716543 Long: -104.388072

BH21-09 near Southeast corner of tank battery trying to find south edge of spill.

Viewing Direction: North

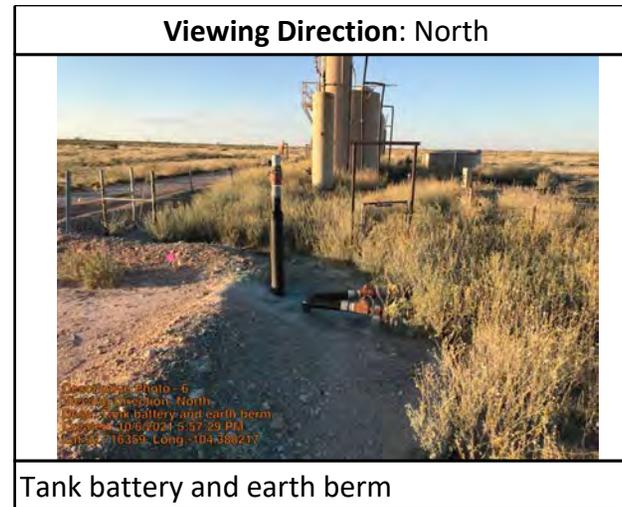
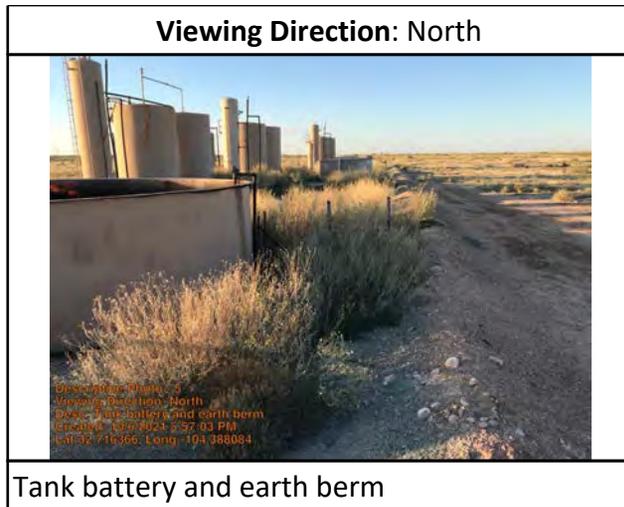


Descriptive Photo - 4  
Viewing Direction: North  
Desc: Supposed spill area east of tank battery  
Created: 10/6/2021 5:48:40 PM  
Lat: 36.716459 Long: -104.388072

Supposed spill area east of tank battery



# Daily Site Visit Report



# Daily Site Visit Report



Daily Site Visit Signature

**Inspector:** Austin Harris

**Signature:**

A handwritten signature in black ink, appearing to be 'AH' with a large flourish.

Signature

Vertex Resource Services Inc.  
 2001 Timberloch Place Suite 500  
 Houston, TX 77380

832-535-1585  
 info@vertex.ca  
 https://vertex.ca



**Soil Sampling Project Data**

<b>Client Name</b>	EOG Resources Inc.
<b>Client Contact</b>	Chase Settle
<b>Client Contact P#</b>	575-703-6537
<b>Reference #</b>	

<b>Project Owner</b>	Chase Settle
<b>Project Manager</b>	Dennis Williams
<b>Field Supervisor</b>	Dennis Williams
<b>Unique Project ID</b>	-Mallard HM Fee Battery
<b>Project Site Name</b>	Mallard HM Fee Battery

<b>Project Start Date</b>	10/5/2021
<b>Project End Date</b>	
<b>Report Run Date</b>	10/7/2021
<b>API #</b>	30-015-22052

**Sample Point Data**

**(Logged by: Dhugal Hanton)**

<b>Sample Point ID</b>	BG21-01
<b>Sample Point Lat</b>	
<b>Sample Point Long</b>	

<b>Well Top Elevation</b>	
<b>Total Depth</b>	
<b>Depth to Water</b>	

<b>UTM Zone (10-19)</b>	
<b>Drilling Company</b>	Vertex Resource Services Inc
<b>Drilling Method</b>	Direct Push

<b>Top (ft)</b>
0

BG21-01 5.0' [Logged by: Dhugal Hanton on 10/5/2021]															
Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
5.0	Discreet Sample	1	Silt (Fine)	Sand (Coarse)	Clay (Fine)	Fine	Medium	Damp	Non Plastic	Well Graded		PID	PetroFlag	EC Probe	Silver Nitrate Titration
NOTES:															837
												PPM	PPM	μS/cm	PPM
BG21-01 6.0' [Logged by: Dhugal Hanton on 10/5/2021]															
Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
6.0	Discreet Sample	1	Silt (Fine)	Sand (Coarse)	Clay (Fine)	Fine	Medium	Damp	Non Plastic	Well Graded		PID	PetroFlag	EC Probe	Silver Nitrate Titration
NOTES:															702
												PPM	PPM	μS/cm	PPM
BG21-01 7.0' [Logged by: Dhugal Hanton on 10/5/2021]															
Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
7.0	Discreet Sample	1	Silt (Fine)	Sand (Coarse)	Clay (Fine)	Fine	Medium	Damp	Non Plastic	Well Graded		PID	PetroFlag	EC Probe	Silver Nitrate Titration
NOTES:															437
												PPM	PPM	μS/cm	PPM
BG21-01 8.0' [Logged by: Dhugal Hanton on 10/5/2021]															
Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
8.0	Discreet Sample	1	Silt (Fine)	Sand (Coarse)	Clay (Fine)	Fine	Medium	Damp	Non Plastic	Well Graded		PID	PetroFlag	EC Probe	Silver Nitrate Titration
NOTES:															247
												PPM	PPM	μS/cm	PPM

BG21-01  
HZN-

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**Soil Sampling Project Data**

<b>Client Name</b>	EOG Resources Inc.
<b>Client Contact</b>	Chase Settle
<b>Client Contact P#</b>	575-703-6537
<b>Reference #</b>	

<b>Project Owner</b>	Chase Settle
<b>Project Manager</b>	Dennis Williams
<b>Field Supervisor</b>	Dennis Williams
<b>Unique Project ID</b>	-Mallard HM Fee Battery
<b>Project Site Name</b>	Mallard HM Fee Battery

<b>Project Start Date</b>	10/5/2021
<b>Project End Date</b>	
<b>Report Run Date</b>	10/7/2021
<b>API #</b>	30-015-22052

**Sample Point Data**

**(Logged by: Dhugal Hanton)**

<b>Sample Point ID</b>	BH21-03
<b>Sample Point Lat</b>	
<b>Sample Point Long</b>	

<b>Well Top Elevation</b>	
<b>Total Depth</b>	
<b>Depth to Water</b>	

<b>UTM Zone (10-19)</b>	
<b>Drilling Company</b>	Vertex Resource Services Inc
<b>Drilling Method</b>	Direct Push

<b>Top (ft)</b>
0

<b>BH21-03 0.0' [Logged by: Dhugal Hanton on 10/6/2021]</b>																
Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride	
0.0	Discreet Sample	1	Gravel (Coarse)	Gravel (Coarse)	Silt (Fine)	Coarse	Coarse	Damp	Non Plastic	Poorly Graded	Dark Brown	PID	PetroFlag	EC Probe	Silver Nitrate Titration	
NOTES: Pea gravel. Sending to lab																
												PPM	PPM	μS/cm	PPM	
<b>BH21-03 1.0' [Logged by: Dhugal Hanton on 10/6/2021]</b>																
Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride	
1.0	Discreet Sample	1	Sand (Coarse)	Clay (Fine)	Silt (Fine)	Coarse	Coarse	Damp	Non Plastic	Well Graded	Medium Brown	PID	PetroFlag	EC Probe	Silver Nitrate Titration	
NOTES: Strong odor not to lab												360		0		
												PPM	PPM	μS/cm	PPM	
<b>BH21-03 HZN-</b>	<b>BH21-03 2.0' [Logged by: Dhugal Hanton on 10/6/2021]</b>															
	Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
	2.0	Discreet Sample	1	Sand (Coarse)	Clay (Fine)	Silt (Fine)	Coarse	Coarse	Damp	Non Plastic	Well Graded	Medium Brown	PID	PetroFlag	EC Probe	Silver Nitrate Titration
	NOTES: Strong odor. Discoloring												220		0	
												PPM	PPM	μS/cm	PPM	
<b>BH21-03 HZN-</b>	<b>BH21-03 3.0' [Logged by: Dhugal Hanton on 10/6/2021]</b>															
	Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
	3.0	Discreet Sample	1	Sand (Coarse)	Clay (Fine)	Silt (Fine)	Medium	Fine	Damp	Non Plastic	Well Graded	Light-Medium Brown	PID	PetroFlag	EC Probe	Silver Nitrate Titration
	NOTES: Top 3 ft too oily to have chloride reading												340		0	
												PPM	PPM	μS/cm	PPM	
<b>BH21-03 HZN-</b>	<b>BH21-03 4.0' [Logged by: Dhugal Hanton on 10/6/2021]</b>															

Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
4.0	Discreet Sample	1	Sand (Coarse)	Clay (Fine)	Silt (Fine)	Medium	Fine	Damp	Non Plastic	Well Graded	Light-Medium Brown	PID	PetroFlag	EC Probe	Silver Nitrate Titration
NOTES: Strong odor. Green tint												560	3800	679	
												PPM	PPM	µS/cm	PPM
<b>BH21-03 5.0' [Logged by: Dhugal Hanton on 10/6/2021]</b>															
Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
5.0	Discreet Sample	1	Sand (Coarse)	Clay (Fine)	Silt (Fine)	Medium	Fine	Damp	Non Plastic	Well Graded	Light-Medium Brown	PID	PetroFlag	EC Probe	Silver Nitrate Titration
NOTES: Not to lab												620		3378	
												PPM	PPM	µS/cm	PPM
<b>BH21-03 6.0' [Logged by: Dhugal Hanton on 10/6/2021]</b>															
Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
6.0	Discreet Sample	1	Sand (Coarse)	Clay (Fine)	Silt (Fine)	Medium	Fine	Damp	Non Plastic	Well Graded	Light-Medium Brown	PID	PetroFlag	EC Probe	Silver Nitrate Titration
NOTES: Not to lab												598	10000	4719	
												PPM	PPM	µS/cm	PPM
<b>BH21-03 7.0' [Logged by: Dhugal Hanton on 10/6/2021]</b>															
Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
7.0	Discreet Sample	1	Sand (Coarse)	Clay (Fine)	Silt (Fine)	Medium	Fine	Damp	Non Plastic	Well Graded	Light-Medium Brown	PID	PetroFlag	EC Probe	Silver Nitrate Titration
NOTES: Not to lab												388		3254	
												PPM	PPM	µS/cm	PPM

BH21-03  
HZN-

BH21-03 8.0' [Logged by: Dhugal Hanton on 10/6/2021]															
Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
8.0	Discreet Sample	1	Sand (Coarse)	Clay (Fine)	Silt (Fine)	Medium	Fine	Damp	Non Plastic	Well Graded	Light-Medium Brown	PID	PetroFlag	EC Probe	Silver Nitrate Titration
NOTES:												45	6130	5260	
												PPM	PPM	µS/cm	PPM
BH21-03 9.0' [Logged by: Dhugal Hanton on 10/6/2021]															
Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
9.0	Discreet Sample	1	Sand (Coarse)	Clay (Fine)	Silt (Fine)	Medium	Fine	Damp	Non Plastic	Well Graded	Light-Medium Brown	PID	PetroFlag	EC Probe	Silver Nitrate Titration
NOTES:												40	129	5717	
												PPM	PPM	µS/cm	PPM
BH21-03 10.0' [Logged by: Dhugal Hanton on 10/6/2021]															
Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
10.0	Discreet Sample	1	Sand (Coarse)	Clay (Fine)	Silt (Fine)	Medium	Fine	Damp	Non Plastic	Well Graded	Light-Medium Brown	PID	PetroFlag	EC Probe	Silver Nitrate Titration
NOTES:													79	4153	
												PPM	PPM	µS/cm	PPM
BH21-03 11.0' [Logged by: Dhugal Hanton on 10/6/2021]															
Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
11.0	Discreet Sample	1	Sand (Coarse)	Clay (Fine)	Silt (Fine)	Medium	Fine	Damp	Non Plastic	Well Graded	Light-Medium Brown	PID	PetroFlag	EC Probe	Silver Nitrate Titration

BH21-03  
HZN-

BH21-03 HZN-	NOTES:											21	50	1555		
												PPM	PPM	µS/cm	PPM	
	<b>BH21-03 12.0' [Logged by: Dhugal Hanton on 10/6/2021]</b>															
	Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
	12.0	Discreet Sample	1	Sand (Coarse)	Clay (Fine)	Silt (Fine)	Medium	Fine	Damp	Non Plastic	Well Graded	Light-Medium Brown	PID	PetroFlag	EC Probe	Silver Nitrate Titration
	NOTES:											16	64	2115		
												PPM	PPM	µS/cm	PPM	
	<b>BH21-03 13.0' [Logged by: Dhugal Hanton on 10/6/2021]</b>															
	Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
	13.0	Discreet Sample	1	Sand (Coarse)	Clay (Fine)	Silt (Fine)	Medium	Fine	Damp	Non Plastic	Well Graded	Light-Medium Brown	PID	PetroFlag	EC Probe	Silver Nitrate Titration
NOTES: Refusal											23		1849			
											PPM	PPM	µS/cm	PPM		
Bot. (ft)																

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**Soil Sampling Project Data**

<b>Client Name</b>	EOG Resources Inc.
<b>Client Contact</b>	Chase Settle
<b>Client Contact P#</b>	575-703-6537
<b>Reference #</b>	

<b>Project Owner</b>	Chase Settle
<b>Project Manager</b>	Dennis Williams
<b>Field Supervisor</b>	Dennis Williams
<b>Unique Project ID</b>	-Mallard HM Fee Battery
<b>Project Site Name</b>	Mallard HM Fee Battery

<b>Project Start Date</b>	10/5/2021
<b>Project End Date</b>	
<b>Report Run Date</b>	10/7/2021
<b>API #</b>	30-015-22052

**Sample Point Data**

**(Logged by: Dhugal Hanton)**

<b>Sample Point ID</b>	BH21-04
<b>Sample Point Lat</b>	
<b>Sample Point Long</b>	

<b>Well Top Elevation</b>	
<b>Total Depth</b>	
<b>Depth to Water</b>	

<b>UTM Zone (10-19)</b>	
<b>Drilling Company</b>	Vertex Resource Services Inc
<b>Drilling Method</b>	Direct Push

<b>Top (ft)</b>
0

BH21-04 5.0' [Logged by: Dhugal Hanton on 10/5/2021]															
Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
5.0	Discreet Sample	1	Silt (Fine)	Sand (Coarse)	Clay (Fine)	Fine	Medium	Damp	Non Plastic	Well Graded		PID	PetroFlag	EC Probe	Silver Nitrate Titration
NOTES:												0		8526	
												PPM	PPM	μS/cm	PPM
BH21-04 6.0' [Logged by: Dhugal Hanton on 10/5/2021]															
Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
6.0	Discreet Sample	1	Silt (Fine)	Sand (Coarse)	Clay (Fine)	Fine	Medium	Damp	Non Plastic	Well Graded		PID	PetroFlag	EC Probe	Silver Nitrate Titration
NOTES:												0	136	8882	
												PPM	PPM	μS/cm	PPM
BH21-04 7.0' [Logged by: Dhugal Hanton on 10/5/2021]															
Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
7.0	Discreet Sample	1	Silt (Fine)	Sand (Coarse)	Clay (Fine)	Fine	Medium	Damp	Non Plastic	Well Graded		PID	PetroFlag	EC Probe	Silver Nitrate Titration
NOTES:												0		8893	
												PPM	PPM	μS/cm	PPM
BH21-04 8.0' [Logged by: Dhugal Hanton on 10/5/2021]															
Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
8.0	Discreet Sample	1	Silt (Fine)	Sand (Coarse)	Clay (Fine)	Fine	Medium	Damp	Non Plastic	Well Graded		PID	PetroFlag	EC Probe	Silver Nitrate Titration
NOTES:												0	67	4617	4600
												PPM	PPM	μS/cm	PPM
BH21-04 9.0' [Logged by: Dhugal Hanton on 10/6/2021]															

BH21-04  
HZN-

Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
9.0	Discreet Sample	1	Silt (Fine)	Sand (Coarse)	Clay (Fine)	Fine	Medium	Damp	Non Plastic	Well Graded	Light-Medium Brown	PID	PetroFlag	EC Probe	Silver Nitrate Titration
NOTES: Not to lab												0	299	8513	
												PPM	PPM	µS/cm	PPM
<b>BH21-04 10.0' [Logged by: Dhugal Hanton on 10/6/2021]</b>															
Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
10.0	Discreet Sample	1	Silt (Fine)	Sand (Coarse)	Clay (Fine)	Fine	Medium	Damp	Non Plastic	Well Graded	Light-Medium Brown	PID	PetroFlag	EC Probe	Silver Nitrate Titration
NOTES:												0	33	2731	
												PPM	PPM	µS/cm	PPM
<b>BH21-04 11.0' [Logged by: Dhugal Hanton on 10/6/2021]</b>															
Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
11.0	Discreet Sample	1	Silt (Fine)	Sand (Coarse)	Clay (Fine)	Fine	Medium	Damp	Non Plastic	Well Graded	Light-Medium Brown	PID	PetroFlag	EC Probe	Silver Nitrate Titration
NOTES:												0	27	2005	1395
												PPM	PPM	µS/cm	PPM
<b>BH21-04 12.0' [Logged by: Dhugal Hanton on 10/6/2021]</b>															
Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
12.0	Discreet Sample	1	Silt (Fine)	Sand (Coarse)	Clay (Fine)	Fine	Medium	Damp	Non Plastic	Well Graded	Light-Medium Brown	PID	PetroFlag	EC Probe	Silver Nitrate Titration
NOTES: Refusal												0	23	1403	1092
												PPM	PPM	µS/cm	PPM

BH21-04  
HZN-

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**Soil Sampling Project Data**

<b>Client Name</b>	EOG Resources Inc.
<b>Client Contact</b>	Chase Settle
<b>Client Contact P#</b>	575-703-6537
<b>Reference #</b>	

<b>Project Owner</b>	Chase Settle
<b>Project Manager</b>	Dennis Williams
<b>Field Supervisor</b>	Dennis Williams
<b>Unique Project ID</b>	-Mallard HM Fee Battery
<b>Project Site Name</b>	Mallard HM Fee Battery

<b>Project Start Date</b>	10/5/2021
<b>Project End Date</b>	
<b>Report Run Date</b>	10/7/2021
<b>API #</b>	30-015-22052

**Sample Point Data**

**(Logged by: Dhugal Hanton)**

<b>Sample Point ID</b>	BH21-05
<b>Sample Point Lat</b>	
<b>Sample Point Long</b>	

<b>Well Top Elevation</b>	
<b>Total Depth</b>	
<b>Depth to Water</b>	

<b>UTM Zone (10-19)</b>	
<b>Drilling Company</b>	Vertex Resource Services Inc
<b>Drilling Method</b>	Direct Push

<b>Top (ft)</b>
0

BH21-05 5.0' [Logged by: Dhugal Hanton on 10/5/2021]															
Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
5.0	Discreet Sample	1	Silt (Fine)	Sand (Coarse)	Clay (Fine)	Fine	Medium	Damp	Non Plastic	Well Graded		PID	PetroFlag	EC Probe	Silver Nitrate Titration
NOTES:												0		5827	
												PPM	PPM	µS/cm	PPM
BH21-05 6.0' [Logged by: Dhugal Hanton on 10/5/2021]															
Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
6.0	Discreet Sample	1	Silt (Fine)	Sand (Coarse)	Clay (Fine)	Fine	Medium	Damp	Non Plastic	Well Graded		PID	PetroFlag	EC Probe	Silver Nitrate Titration
NOTES:												0	87	7019	7727
												PPM	PPM	µS/cm	PPM
BH21-05 7.0' [Logged by: Dhugal Hanton on 10/5/2021]															
Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
7.0	Discreet Sample	1	Silt (Fine)	Sand (Coarse)	Clay (Fine)	Fine	Medium	Damp	Non Plastic	Well Graded		PID	PetroFlag	EC Probe	Silver Nitrate Titration
NOTES:												0		7996	
												PPM	PPM	µS/cm	PPM
BH21-05 8.0' [Logged by: Dhugal Hanton on 10/5/2021]															
Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
8.0	Discreet Sample	1	Silt (Fine)	Sand (Coarse)	Clay (Fine)	Fine	Medium	Damp	Non Plastic	Well Graded		PID	PetroFlag	EC Probe	Silver Nitrate Titration
NOTES:												0	43	4355	
												PPM	PPM	µS/cm	PPM
BH21-05 9.0' [Logged by: Dhugal Hanton on 10/6/2021]															

BH21-05  
HZN-

Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
9.0	Discreet Sample	1	Silt (Fine)	Sand (Coarse)	Clay (Fine)	Fine	Medium	Damp	Non Plastic	Well Graded	Light-Medium Brown	PID	PetroFlag	EC Probe	Silver Nitrate Titration
NOTES: Not to lab												0	50	5714	
												PPM	PPM	µS/cm	PPM
<b>BH21-05 10.0' [Logged by: Dhugal Hanton on 10/6/2021]</b>															
Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
10.0	Discreet Sample	1	Silt (Fine)	Sand (Coarse)	Clay (Fine)	Fine	Medium	Damp	Non Plastic	Well Graded	Light-Medium Brown	PID	PetroFlag	EC Probe	Silver Nitrate Titration
NOTES:												0	40	2824	
												PPM	PPM	µS/cm	PPM
<b>BH21-05 11.0' [Logged by: Dhugal Hanton on 10/6/2021]</b>															
Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
11.0	Discreet Sample	1	Silt (Fine)	Sand (Coarse)	Clay (Fine)	Fine	Medium	Damp	Non Plastic	Well Graded	Light-Medium Brown	PID	PetroFlag	EC Probe	Silver Nitrate Titration
NOTES:												0	11	1549	1090
												PPM	PPM	µS/cm	PPM
<b>BH21-05 12.0' [Logged by: Dhugal Hanton on 10/6/2021]</b>															
Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
12.0	Discreet Sample	1	Silt (Fine)	Sand (Coarse)	Clay (Fine)	Fine	Medium	Damp	Non Plastic	Well Graded	Light-Medium Brown	PID	PetroFlag	EC Probe	Silver Nitrate Titration
NOTES: Refusal.												0	33	1497	840
												PPM	PPM	µS/cm	PPM

BH21-05  
HZN-

Vertex Resource Services Inc.  
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**Soil Sampling Project Data**

<b>Client Name</b>	EOG Resources Inc.
<b>Client Contact</b>	Chase Settle
<b>Client Contact P#</b>	575-703-6537
<b>Reference #</b>	

<b>Project Owner</b>	Chase Settle
<b>Project Manager</b>	Dennis Williams
<b>Field Supervisor</b>	Dennis Williams
<b>Unique Project ID</b>	-Mallard HM Fee Battery
<b>Project Site Name</b>	Mallard HM Fee Battery

<b>Project Start Date</b>	10/5/2021
<b>Project End Date</b>	
<b>Report Run Date</b>	10/7/2021
<b>API #</b>	30-015-22052

**Sample Point Data**

(Logged by: Dhugal Hanton)

<b>Sample Point ID</b>	BH21-06
<b>Sample Point Lat</b>	
<b>Sample Point Long</b>	

<b>Well Top Elevation</b>	
<b>Total Depth</b>	
<b>Depth to Water</b>	

<b>UTM Zone (10-19)</b>	
<b>Drilling Company</b>	Vertex Resource Services Inc
<b>Drilling Method</b>	Direct Push

<b>Top (ft)</b>
0

BH21-06 5.0' [Logged by: Dhugal Hanton on 10/5/2021]															
Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
5.0	Discreet Sample	1	Silt (Fine)	Sand (Coarse)	Clay (Fine)	Fine	Medium	Damp	Non Plastic	Well Graded		PID	PetroFlag	EC Probe	Silver Nitrate Titration
NOTES:												0		6018	
												PPM	PPM	µS/cm	PPM
BH21-06 6.0' [Logged by: Dhugal Hanton on 10/5/2021]															
Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
6.0	Discreet Sample	1	Silt (Fine)	Sand (Coarse)	Clay (Fine)	Fine	Medium	Damp	Non Plastic	Well Graded		PID	PetroFlag	EC Probe	Silver Nitrate Titration
NOTES:												0	59	5326	
												PPM	PPM	µS/cm	PPM
BH21-06 7.0' [Logged by: Dhugal Hanton on 10/5/2021]															
Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
7.0	Discreet Sample	1	Silt (Fine)	Sand (Coarse)	Clay (Fine)	Fine	Medium	Damp	Non Plastic	Well Graded		PID	PetroFlag	EC Probe	Silver Nitrate Titration
NOTES:												0		4450	
												PPM	PPM	µS/cm	PPM
BH21-06 8.0' [Logged by: Dhugal Hanton on 10/5/2021]															
Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
8.0	Discreet Sample	1	Silt (Fine)	Sand (Coarse)	Clay (Fine)	Fine	Medium	Damp	Non Plastic	Well Graded		PID	PetroFlag	EC Probe	Silver Nitrate Titration
NOTES:												0	73	5625	
												PPM	PPM	µS/cm	PPM

BH21-06  
HZN-

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**Soil Sampling Project Data**

<b>Client Name</b>	EOG Resources Inc.
<b>Client Contact</b>	Chase Settle
<b>Client Contact P#</b>	575-703-6537
<b>Reference #</b>	

<b>Project Owner</b>	Chase Settle
<b>Project Manager</b>	Dennis Williams
<b>Field Supervisor</b>	Dennis Williams
<b>Unique Project ID</b>	-Mallard HM Fee Battery
<b>Project Site Name</b>	Mallard HM Fee Battery

<b>Project Start Date</b>	10/5/2021
<b>Project End Date</b>	
<b>Report Run Date</b>	10/7/2021
<b>API #</b>	30-015-22052

**Sample Point Data**

(Logged by: Dhugal Hanton)

<b>Sample Point ID</b>	BH21-06
<b>Sample Point Lat</b>	
<b>Sample Point Long</b>	

<b>Well Top Elevation</b>	
<b>Total Depth</b>	
<b>Depth to Water</b>	

<b>UTM Zone (10-19)</b>	
<b>Drilling Company</b>	Vertex Resource Services Inc
<b>Drilling Method</b>	Direct Push

Top (ft)

0

BH21-06 2.0' [Logged by: Dhugal Hanton on 10/5/2021]																
BH21-06 HZN-	Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
	2.0	Discreet Sample	1	Gravel (Coarse)	Silt (Fine)	Clay (Fine)	Coarse	Fine	Moist	Plastic	Well Graded	Medium Brown	PID	PetroFlag	EC Probe	Silver Nitrate Titration
	NOTES: Refusal												45	56	0.8	678
													PPM	PPM	dS/m	PPM
Bot. (ft)																

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**Soil Sampling Project Data**

<b>Client Name</b>	EOG Resources Inc.
<b>Client Contact</b>	Chase Settle
<b>Client Contact P#</b>	575-703-6537
<b>Reference #</b>	

<b>Project Owner</b>	Chase Settle
<b>Project Manager</b>	Dennis Williams
<b>Field Supervisor</b>	Dennis Williams
<b>Unique Project ID</b>	-Mallard HM Fee Battery
<b>Project Site Name</b>	Mallard HM Fee Battery

<b>Project Start Date</b>	10/5/2021
<b>Project End Date</b>	
<b>Report Run Date</b>	10/7/2021
<b>API #</b>	30-015-22052

**Sample Point Data**

**(Logged by: Dhugal Hanton)**

<b>Sample Point ID</b>	BH21-07
<b>Sample Point Lat</b>	
<b>Sample Point Long</b>	

<b>Well Top Elevation</b>	
<b>Total Depth</b>	
<b>Depth to Water</b>	

<b>UTM Zone (10-19)</b>	
<b>Drilling Company</b>	Vertex Resource Services Inc
<b>Drilling Method</b>	Direct Push

<b>Top (ft)</b>
0

BH21-07 5.0' [Logged by: Dhugal Hanton on 10/5/2021]															
Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
5.0	Discreet Sample	1	Silt (Fine)	Sand (Coarse)	Clay (Fine)	Fine	Medium	Damp	Non Plastic	Well Graded	Light-Medium Brown	PID		EC Probe	Silver Nitrate Titration
NOTES:												0		4415	
												PPM	PPM	µS/cm	PPM
BH21-07 6.0' [Logged by: Dhugal Hanton on 10/5/2021]															
Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
6.0	Discreet Sample	1	Silt (Fine)	Sand (Coarse)	Clay (Fine)	Fine	Medium	Damp	Non Plastic	Well Graded	Light-Medium Brown	PID	PetroFlag	EC Probe	Silver Nitrate Titration
NOTES:												0	122	6195	
												PPM	PPM	µS/cm	PPM
BH21-07 7.0' [Logged by: Dhugal Hanton on 10/5/2021]															
Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
7.0	Discreet Sample	1	Silt (Fine)	Sand (Coarse)	Clay (Fine)	Fine	Medium	Damp	Non Plastic	Well Graded		PID	PetroFlag	EC Probe	Silver Nitrate Titration
NOTES:												0		5036	
												PPM	PPM	µS/cm	PPM
BH21-07 8.0' [Logged by: Dhugal Hanton on 10/5/2021]															
Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
8.0	Discreet Sample	1	Silt (Fine)	Sand (Coarse)	Clay (Fine)	Fine	Medium	Damp	Non Plastic	Well Graded	Light-Medium Brown	PID	PetroFlag	EC Probe	Silver Nitrate Titration
NOTES:												0	67	2291	
												PPM	PPM	µS/cm	PPM

BH21-07  
HZN-

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**Soil Sampling Project Data**

<b>Client Name</b>	EOG Resources Inc.
<b>Client Contact</b>	Chase Settle
<b>Client Contact P#</b>	575-703-6537
<b>Reference #</b>	

<b>Project Owner</b>	Chase Settle
<b>Project Manager</b>	Dennis Williams
<b>Field Supervisor</b>	Dennis Williams
<b>Unique Project ID</b>	-Mallard HM Fee Battery
<b>Project Site Name</b>	Mallard HM Fee Battery

<b>Project Start Date</b>	10/5/2021
<b>Project End Date</b>	
<b>Report Run Date</b>	10/7/2021
<b>API #</b>	30-015-22052

**Sample Point Data**

**(Logged by: Dhugal Hanton)**

<b>Sample Point ID</b>	BH21-08
<b>Sample Point Lat</b>	
<b>Sample Point Long</b>	

<b>Well Top Elevation</b>	
<b>Total Depth</b>	
<b>Depth to Water</b>	

<b>UTM Zone (10-19)</b>	
<b>Drilling Company</b>	Vertex Resource Services Inc
<b>Drilling Method</b>	Direct Push

<b>Top (ft)</b>
0

BH21-08 0.0' [Logged by: Dhugal Hanton on 10/6/2021]																
Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride	
0.0	Discreet Sample	1	Silt (Fine)	Sand (Coarse)	Clay (Fine)	Fine	Medium	Damp	Non Plastic	Well Graded	Medium Brown	PID	PetroFlag	EC Probe	Silver Nitrate Titration	
NOTES:												0		9		
												PPM	PPM	μS/cm	PPM	
BH21-08 1.0' [Logged by: Dhugal Hanton on 10/6/2021]																
Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride	
1.0	Discreet Sample	1	Silt (Fine)	Sand (Coarse)	Clay (Fine)	Fine	Medium	Damp	Non Plastic	Well Graded	Medium Brown	PID	PetroFlag	EC Probe	Silver Nitrate Titration	
NOTES: Not to lab												0		188		
												PPM	PPM	μS/cm	PPM	
BH21-08 HZN-	BH21-08 2.0' [Logged by: Dhugal Hanton on 10/6/2021]															
	Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
	2.0	Discreet Sample	1	Silt (Fine)	Sand (Coarse)	Clay (Fine)	Fine	Medium	Damp	Non Plastic	Well Graded	Medium Brown	PID	PetroFlag	EC Probe	Silver Nitrate Titration
	NOTES:												0	19	1210	
												PPM	PPM	μS/cm	PPM	
BH21-08 HZN-	BH21-08 3.0' [Logged by: Dhugal Hanton on 10/6/2021]															
	Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
	3.0	Discreet Sample	1	Silt (Fine)	Sand (Coarse)	Clay (Fine)	Fine	Medium	Damp	Non Plastic	Well Graded	Light-Medium Brown	PID	PetroFlag	EC Probe	Silver Nitrate Titration
	NOTES:												0	22	1478	
												PPM	PPM	μS/cm	PPM	
BH21-08 HZN-	BH21-08 4.0' [Logged by: Dhugal Hanton on 10/6/2021]															

Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
4.0	Discreet Sample	1	Silt (Fine)	Sand (Coarse)	Clay (Fine)	Fine	Medium	Damp	Non Plastic	Well Graded	Light-Medium Brown	PID	PetroFlag	EC Probe	Silver Nitrate Titration
NOTES:												0	47	1230	1035
												PPM	PPM	µS/cm	PPM
<b>BH21-08 5.0' [Logged by: Dhugal Hanton on 10/6/2021]</b>															
Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
5.0	Discreet Sample	1	Silt (Fine)	Sand (Coarse)	Clay (Fine)	Fine	Medium	Damp	Non Plastic	Well Graded	Light-Medium Brown	PID	PetroFlag	EC Probe	Silver Nitrate Titration
NOTES:												0	28		232
												PPM	PPM	µS/cm	PPM
<b>BH21-08 6.0' [Logged by: Dhugal Hanton on 10/6/2021]</b>															
Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
6.0	Discreet Sample	1	Silt (Fine)	Sand (Coarse)	Clay (Fine)	Fine	Medium	Damp	Non Plastic	Well Graded	Light-Medium Brown	PID	PetroFlag	EC Probe	Silver Nitrate Titration
NOTES: Not to lab												0			150
												PPM	PPM	µS/cm	PPM
<b>BH21-08 7.0' [Logged by: Dhugal Hanton on 10/6/2021]</b>															
Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
7.0	Discreet Sample	1	Silt (Fine)	Sand (Coarse)	Clay (Fine)	Fine	Medium	Damp	Non Plastic	Well Graded	Light-Medium Brown	PID	PetroFlag	EC Probe	Silver Nitrate Titration
NOTES: Not to lab												0			120
												PPM	PPM	µS/cm	PPM

BH21-08  
HZN-

BH21-08 HZN-	<b>BH21-08 8.0' [Logged by: Dhugal Hanton on 10/6/2021]</b>															
	Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
	8.0	Discreet Sample	1	Silt (Fine)	Sand (Coarse)	Clay (Fine)	Fine	Medium	Damp	Non Plastic	Well Graded	Light-Medium Brown	PID	PetroFlag	EC Probe	Silver Nitrate Titration
	NOTES: Not to lab												0			115
													PPM	PPM	µS/cm	PPM
	<b>BH21-08 9.0' [Logged by: Dhugal Hanton on 10/6/2021]</b>															
	Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
	9.0	Discreet Sample	1	Silt (Fine)	Sand (Coarse)	Clay (Fine)	Fine	Medium	Damp	Non Plastic	Well Graded	Light-Medium Brown	PID	PetroFlag	EC Probe	Silver Nitrate Titration
	NOTES: Not to lab												0			130
													PPM	PPM	µS/cm	PPM
	<b>BH21-08 10.0' [Logged by: Dhugal Hanton on 10/6/2021]</b>															
	Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
10.0	Discreet Sample	1	Silt (Fine)	Sand (Coarse)	Clay (Fine)	Fine	Medium	Damp	Non Plastic	Well Graded	Light-Medium Brown	PID	PetroFlag	EC Probe	Silver Nitrate Titration	
NOTES: Not to lab												0			125	
												PPM	PPM	µS/cm	PPM	
Bot. (ft)																

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**Soil Sampling Project Data**

<b>Client Name</b>	EOG Resources Inc.
<b>Client Contact</b>	Chase Settle
<b>Client Contact P#</b>	575-703-6537
<b>Reference #</b>	

<b>Project Owner</b>	Chase Settle
<b>Project Manager</b>	Dennis Williams
<b>Field Supervisor</b>	Dennis Williams
<b>Unique Project ID</b>	-Mallard HM Fee Battery
<b>Project Site Name</b>	Mallard HM Fee Battery

<b>Project Start Date</b>	10/5/2021
<b>Project End Date</b>	
<b>Report Run Date</b>	10/7/2021
<b>API #</b>	30-015-22052

**Sample Point Data**

**(Logged by: Dhugal Hanton)**

<b>Sample Point ID</b>	BH21-09
<b>Sample Point Lat</b>	
<b>Sample Point Long</b>	

<b>Well Top Elevation</b>	
<b>Total Depth</b>	
<b>Depth to Water</b>	

<b>UTM Zone (10-19)</b>	
<b>Drilling Company</b>	Vertex Resource Services Inc
<b>Drilling Method</b>	Direct Push

<b>Top (ft)</b>
0

BH21-09 0.0' [Logged by: Dhugal Hanton on 10/6/2021]															
Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
0.0	Discreet Sample	1	Sand (Coarse)	Clay (Fine)	Silt (Fine)	Medium	Fine	Damp	Non Plastic	Well Graded	Light-Medium Brown	PID	PetroFlag	EC Probe	Silver Nitrate Titration
NOTES:												68		10386	
												PPM	PPM	µS/cm	PPM
BH21-09 1.0' [Logged by: Dhugal Hanton on 10/6/2021]															
Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
1.0	Discreet Sample	1	Sand (Coarse)	Clay (Fine)	Silt (Fine)	Medium	Fine	Damp	Non Plastic	Well Graded	Light-Medium Brown	PID	PetroFlag	EC Probe	Silver Nitrate Titration
NOTES:												110	64	15516	
												PPM	PPM	µS/cm	PPM
BH21-09 3.0' [Logged by: Dhugal Hanton on 10/6/2021]															
Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
3.0	Discreet Sample	1	Sand (Coarse)	Clay (Fine)	Silt (Fine)	Medium	Fine	Damp	Non Plastic	Well Graded	Light-Medium Brown	PID	PetroFlag	EC Probe	Silver Nitrate Titration
NOTES:												40	23	11248	
												PPM	PPM	µS/cm	PPM
BH21-09 4.0' [Logged by: Dhugal Hanton on 10/6/2021]															
Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
4.0	Discreet Sample	1	Sand (Coarse)	Clay (Fine)	Silt (Fine)	Medium	Fine	Damp	Non Plastic	Well Graded	Light-Medium Brown	PID	PetroFlag	EC Probe	Silver Nitrate Titration

BH21-09  
HZN-

BH21-09 HZN-	NOTES:											40	44	9964		
												PPM	PPM	µS/cm	PPM	
	<b>BH21-09 5.0' [Logged by: Dhugal Hanton on 10/6/2021]</b>															
	Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
	5.0	Discreet Sample	1	Sand (Coarse)	Clay (Fine)	Silt (Fine)	Medium	Fine	Damp	Non Plastic	Well Graded	Light-Medium Brown	PID	PetroFlag	EC Probe	Silver Nitrate Titration
	NOTES:											33	153	9199		
												PPM	PPM	µS/cm	PPM	
	<b>BH21-09 6.0' [Logged by: Dhugal Hanton on 10/6/2021]</b>															
	Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
	6.0	Discreet Sample	1	Sand (Coarse)	Clay (Fine)	Silt (Fine)	Medium	Fine	Damp	Non Plastic	Well Graded	Light-Medium Brown	PID	PetroFlag	EC Probe	Silver Nitrate Titration
	NOTES:											20	29	3671		
												PPM	PPM	µS/cm	PPM	
	<b>BH21-09 7.0' [Logged by: Dhugal Hanton on 10/6/2021]</b>															
	Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
	7.0	Discreet Sample	1	Sand (Coarse)	Clay (Fine)	Silt (Fine)	Medium	Fine	Damp	Non Plastic	Well Graded	Light-Medium Brown	PID	PetroFlag	EC Probe	Silver Nitrate Titration
	NOTES:											17	31	3815		
											PPM	PPM	µS/cm	PPM		
<b>BH21-09 8.0' [Logged by: Dhugal Hanton on 10/6/2021]</b>																
Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride	
8.0	Discreet Sample	1	Sand (Coarse)	Clay (Fine)	Silt (Fine)	Medium	Fine	Damp	Non Plastic	Well Graded		PID	PetroFlag	EC Probe	Silver Nitrate Titration	

BH21-09 HZN-	NOTES:											30	220	3050		
												PPM	PPM	µS/cm	PPM	
	<b>BH21-09 9.0' [Logged by: Dhugal Hanton on 10/6/2021]</b>															
	Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
	9.0	Discreet Sample	1	Sand (Coarse)	Clay (Fine)	Silt (Fine)	Medium	Fine	Damp	Non Plastic	Well Graded	Light-Medium Brown	PID	PetroFlag	EC Probe	Silver Nitrate Titration
	NOTES:											20	9	2704		
												PPM	PPM	µS/cm	PPM	
	<b>BH21-09 10.0' [Logged by: Dhugal Hanton on 10/6/2021]</b>															
	Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
	10.0	Discreet Sample	1	Sand (Coarse)	Clay (Fine)	Silt (Fine)	Medium	Fine	Damp	Non Plastic	Well Graded	Light-Medium Brown	PID	PetroFlag	EC Probe	Silver Nitrate Titration
	NOTES:											1	40	5432		
												PPM	PPM	µS/cm	PPM	
	<b>BH21-09 11.0' [Logged by: Dhugal Hanton on 10/6/2021]</b>															
	Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride
	11.0	Discreet Sample	1	Sand (Coarse)	Clay (Fine)	Silt (Fine)	Medium	Fine	Damp	Non Plastic	Well Graded	Light-Medium Brown	PID	PetroFlag	EC Probe	Silver Nitrate Titration
	NOTES:											0	43	3108		
											PPM	PPM	µS/cm	PPM		
<b>BH21-09 12.0' [Logged by: Dhugal Hanton on 10/6/2021]</b>																
Sample Depth	Sample Type	Grab Count	% Major (>50%)	% Minor (10-40%)	% Trace (<10%)	Major Grain Size	Minor Grain Size	Moisture	Plasticity	Gradation	Color	VOC	TPH	EC	Chloride	

<b>BH21-09 HZN-</b>	12.0	Discreet Sample	1	Sand (Coarse)	Clay (Fine)	Silt (Fine)	Medium	Fine	Damp	Non Plastic	Well Graded	Light-Medium Brown	PID	PetroFlag	EC Probe	Silver Nitrate Titration	
	NOTES:												0	48	3255		
													PPM	PPM	μS/cm	PPM	
	<b>BH21-09 13.0' [Logged by: Dhugal Hanton on 10/6/2021]</b>																
	<b>Sample Depth</b>	<b>Sample Type</b>	<b>Grab Count</b>	<b>% Major (&gt;50%)</b>	<b>% Minor (10-40%)</b>	<b>% Trace (&lt;10%)</b>	<b>Major Grain Size</b>	<b>Minor Grain Size</b>	<b>Moisture</b>	<b>Plasticity</b>	<b>Gradation</b>	<b>Color</b>	<b>VOC</b>	<b>TPH</b>	<b>EC</b>	<b>Chloride</b>	
	13.0	Discreet Sample	1	Sand (Coarse)	Clay (Fine)	Silt (Fine)	Medium	Fine	Damp	Non Plastic	Well Graded	Light-Medium Brown	PID	PetroFlag	EC Probe	Silver Nitrate Titration	
	NOTES: Refusal												62	1254	6168		
													PPM	PPM	μS/cm	PPM	
	<b>Bot. (ft)</b>																



# Daily Site Visit Report

Client:	<u>EOG Resources Inc.</u>	Inspection Date:	<u>10/27/2021</u>
Site Location Name:	<u>Mallard HM Fee Battery</u>	Report Run Date:	<u>10/28/2021 1:55 PM</u>
Client Contact Name:	<u>Chase Settle</u>	API #:	<u>30-015-22052</u>
Client Contact Phone #:	<u>575-703-6537</u>		
Unique Project ID	<u></u>	Project Owner:	<u></u>
Project Reference #	<u></u>	Project Manager:	<u></u>

### Summary of Times

Arrived at Site	<u>10/27/2021 8:00 AM</u>
Departed Site	<u>10/27/2021 11:24 AM</u>

### Field Notes

- 10:00** Complete em survey of surrounding area near tank battery
- 10:55** East portion from where the pumpjack is located seems to have a higher elevated level off what the em is picking up. Vegetation is lush but has a distinct type weed.
- 11:11** All underground flowlines and above ground flowlines are mapped out for the schematic

### Next Steps & Recommendations

- 1 Get em survey report
- 2 Complete delineation of area



# Daily Site Visit Report

## Site Photos

Viewing Direction: East



Descriptive Photo - 11  
Viewing Direction: East  
Area: Elevated area  
Created: 10/27/2021 11:56:12 AM  
Lat: 32.75929, Long: -104.88457

Elevated area

Viewing Direction: South



Descriptive Photo - 10  
Viewing Direction: South  
Area: Flowline through em area  
Created: 10/27/2021 11:54:27 AM  
Lat: 32.75929, Long: -104.88457

Flowline through em area

Viewing Direction: Southeast



Descriptive Photo - 14  
Viewing Direction: Southeast  
Area: Em area  
Created: 10/27/2021 11:57:46 AM  
Lat: 32.71829, Long: -104.88457

Em area

Viewing Direction: Northeast



Descriptive Photo - 12  
Viewing Direction: Northeast  
Area: Em area  
Created: 10/27/2021 11:56:05 AM  
Lat: 32.71829, Long: -104.88457

Em area



# Daily Site Visit Report



Em area



Em area



Em area



Em area



# Daily Site Visit Report



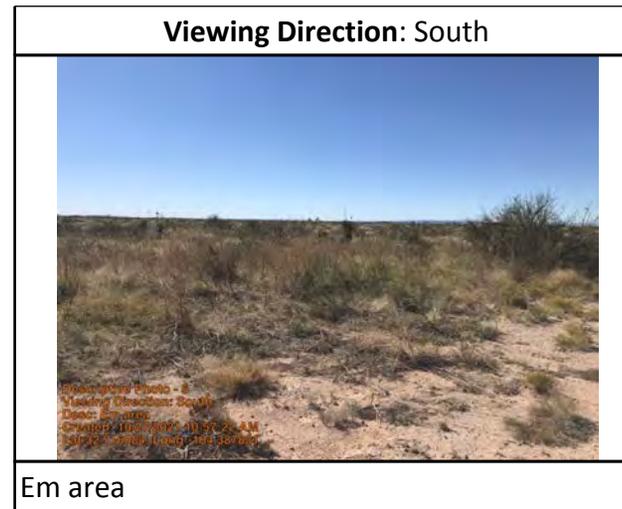
Elevated area



Em area



Em area



Em area



# Daily Site Visit Report



# Daily Site Visit Report



Daily Site Visit Signature

**Inspector:** Monica Peppin

**Signature:**

Signature

A handwritten signature in black ink, appearing to be 'MP', written over a thin horizontal line. The word 'Signature' is printed in a small font directly below the line.





# Daily Site Visit Report

## Site Photos

Viewing Direction: East



Descriptive Photo: 1  
Viewing Direction: East  
Date: Previous Site Inspection  
Created: 1/11/2022 3:01:40 PM  
Lat: 36.118001 Long: -104.881200

Previous tank placement

Viewing Direction: East



Descriptive Photo: 1  
Viewing Direction: East  
Date: Previous Site Inspection  
Created: 1/11/2022 3:02:02 PM  
Lat: 36.118001 Long: -104.881200

Previous take placement

Viewing Direction: South



Descriptive Photo: 2  
Viewing Direction: South  
Date: Previous Site Inspection  
Created: 1/11/2022 3:02:24 PM  
Lat: 36.118001 Long: -104.881200

Staining from tanks

Viewing Direction: North



Descriptive Photo: 1  
Viewing Direction: North  
Date: Previous Site Inspection  
Created: 1/11/2022 3:02:46 PM  
Lat: 36.118001 Long: -104.881200

Staining from tanks



## Daily Site Visit Report

<p>Viewing Direction: South</p>
 <p>PHOTOGRAPHED BY: [unreadable] DATE: 1/11/2022 10:00 PM LOCATION: [unreadable]</p>
<p>Possible another area of concern due to staining</p>

# Daily Site Visit Report



Daily Site Visit Signature

**Inspector:** John Ramirez

**Signature:**

A handwritten signature consisting of the letters 'J' and 'R' in a cursive, blocky style.

Signature



# Daily Site Visit Report

Client:	<u>EOG Resources Inc.</u>	Inspection Date:	<u>1/24/2022</u>
Site Location Name:	<u>Mallard HM Fee Battery</u>	Report Run Date:	<u>1/24/2022 10:20 PM</u>
Client Contact Name:	<u>Chase Settle</u>	API #:	<u>30-015-22052</u>
Client Contact Phone #:	<u>575-703-6537</u>		
Unique Project ID	<u></u>	Project Owner:	<u></u>
Project Reference #	<u></u>	Project Manager:	<u></u>

## Summary of Times

Arrived at Site	<u>1/24/2022 8:10 AM</u>
Departed Site	<u>1/24/2022 2:00 PM</u>

## Field Notes

- 8:10** Finish delineation of site since all equipment has been removed
- 9:06** Borehole within containment area at BH22-10 has parts of old fiberglass tank and a tpost. Potential to be an old pit area.
- 13:44** Boreholes do have a layer of black and soil being broken up does have odor to it. Taking all holes to refusal
- 12:24** Finishing containment area for vertical delineation

## Next Steps & Recommendations

- 1** Finish delineation



# Daily Site Visit Report

## Site Photos

Viewing Direction: West



Sample area

Viewing Direction: North



Containment area

Viewing Direction: South



Trash from borehole

Viewing Direction: East



Trash in hole



# Daily Site Visit Report



# Daily Site Visit Report



## Daily Site Visit Signature

**Inspector:** Monica Peppin

**Signature:**

A handwritten signature in black ink, appearing to be 'M Peppin', written over a thin horizontal line. The word 'Signature' is printed in small text below the line on the left side.

# Daily Soil Sampling



**Client:** Client: EOG Resources Inc.

**Location:** Site: Mallard HM Fee Battery

**Date:** (SD: 1/24/22)

Sampling											
		Field Screening								Data Collection	
		Hydrocarbon		Chloride							
Sample ID	Depth (ft)	VOC (PID)	TPH (ppm)	EC Reading (l)	Temp (°C)	EC Chloride (ppm)	Chloride Titration (ppm)	Lab Analysis	Photo Taken	Marked on Sketch	Refusal Depth (ft)
BH22-01	6.0	2	1268				560	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-01	8.0	2	589				377	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-01	10.0	1	24				372	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-01	12.0	1	44				277	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-10	0.0	2	718				855	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-10	3.0	1	1099				202	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-10	6.0	4	2162				220	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-10	10.0	1	86				1617	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-10	12.0	1	30				767	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	



# Daily Soil Sampling

BH22-11	0.0	1	3748				85	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-11	3.0	1	36				190	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-11	6.0	1	54				227	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-12	0.0	0						BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-12	3.0	2067						BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-12	6.0	2067						BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-12	10.0	291					5060	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-12	12.0	277					2937	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-13	0.0	0	5850				147	Benzene (EPA SW-846 Method 8021B/8260B), BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-13	6.0	1	2430				175	Benzene (EPA SW-846 Method 8021B/8260B), BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-13	10.0	1	2100				167	Benzene (EPA SW-846 Method 8021B/8260B), BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	



# Daily Soil Sampling

BH22-13	12.0	0	1870				147	Benzene (EPA SW-846 Method 8021B/8260B), BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-14	0.0	0	6480				210	Benzene (EPA SW-846 Method 8021B/8260B), BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-14	3.0	0	50				305	Benzene (EPA SW-846 Method 8021B/8260B), BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-14	6.0	0	10				287	Benzene (EPA SW-846 Method 8021B/8260B), BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-14	10.0	2	130				425	Benzene (EPA SW-846 Method 8021B/8260B), BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-14	12.0	1	0				287	Benzene (EPA SW-846 Method 8021B/8260B), BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-15	0.0	0	2640				368	Benzene (EPA SW-846 Method 8021B/8260B), BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-15	3.0	0	2420				459	Benzene (EPA SW-846 Method 8021B/8260B), BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-15	6.0	0	210				202	Benzene (EPA SW-846 Method 8021B/8260B), BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	



# Daily Soil Sampling

BH22-15	10.0	0	0				281	Benzene (EPA SW-846 Method 8021B/8260B), BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-15	12.0	0	0				107	Benzene (EPA SW-846 Method 8021B/8260B), BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	



## Daily Site Visit Report

Client:	<u>EOG Resources Inc.</u>	Inspection Date:	<u>1/25/2022</u>
Site Location Name:	<u>Mallard HM Fee Battery</u>	Report Run Date:	<u>1/25/2022 11:26 PM</u>
Client Contact Name:	<u>Chase Settle</u>	API #:	<u>30-015-22052</u>
Client Contact Phone #:	<u>575-703-6537</u>		
Unique Project ID	<u></u>	Project Owner:	<u></u>
Project Reference #	<u></u>	Project Manager:	<u></u>

### Summary of Times

Arrived at Site	<u>1/25/2022 7:50 AM</u>
Departed Site	<u>1/25/2022 3:30 PM</u>

### Field Notes

- 8:23** Arrived on site to continue delineation.
- 8:23** Collecting BH22-16-BH22-18 at 0', 3', and 6'
- 9:54** BH22-16 is hot on TPH at 0' and 3'. It is all clean on PID, Titration, and PetroFlag at 6'
- 9:55** BH22-17-BH22-18 are all clean on PID, Titration, and PetroFlag at 0', 3', and 6'
- 9:57** BH22-18 is located just outside the berm on the north side to make sure contaminants did not migrate outside of containment.
- 11:48** Stepping out BH22-10-BH22-16 out to the east berm with BH22-19-BH22-23. Samples for BH22-21-BH22-23 are all hot on titration.
- 14:18** BH22-21-BH22-23 are all still hot on titration at 12'. Refusal is at 12' as that is as deep as the backhoe will go.
- 14:50** Sample points have been backfilled and the berm has been built back up to avoid any mitigation of contaminants in case of precipitation.

### Next Steps & Recommendations

- 1 Continue delineation tomorrow by stepping out BH22-21-BH22-23



# Daily Site Visit Report

## Site Photos

Viewing Direction: Northwest



Sample area for BH22-16

Viewing Direction: Southwest



Sample area for BH22-17

Viewing Direction: Northeast



Sample area for BH22-18 backfilled

Viewing Direction: East



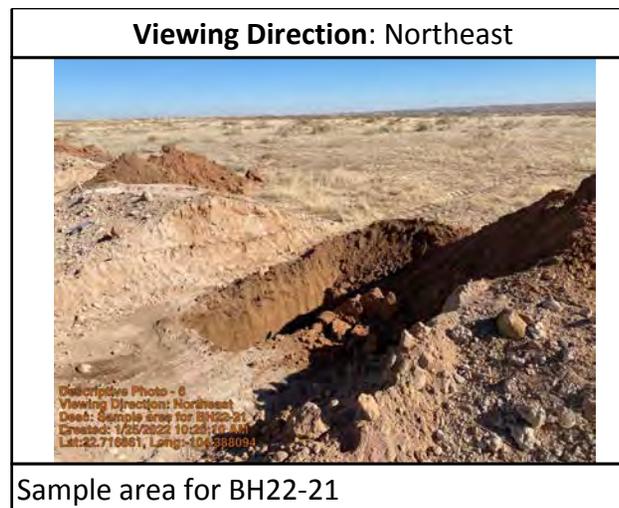
Sample area for BH22-19



# Daily Site Visit Report



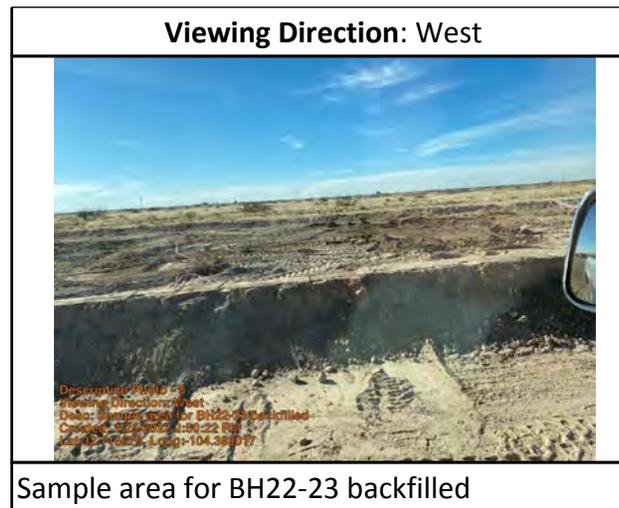
Sample area for BH22-20



Sample area for BH22-21



Sample area for BH22-22



Sample area for BH22-23 backfilled

# Daily Site Visit Report



Daily Site Visit Signature

**Inspector:** Chance Dixon

**Signature:**

A handwritten signature in black ink, appearing to be 'CD' or similar initials, written above a horizontal line.

Signature

# Daily Soil Sampling



**Client:** Client: EOG Resources Inc.

**Location:** Site: Mallard HM Fee Battery

**Date:** (SD: 1/25/22)

Sampling											
		Field Screening								Data Collection	
		Hydrocarbon		Chloride							
Sample ID	Depth (ft)	VOC (PID)	TPH (ppm)	EC Reading (mS/cm)	Temp (°C)	EC Chloride (ppm)	Chloride Titration (ppm)	Lab Analysis	Photo Taken	Marked on Sketch	Refusal Depth (ft)
BH22-16	0.0	0	188				420	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-16	3.0	0	1024				282	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-16	6.0	0	0				325	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-17	0.0	0	12				505	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-17	3.0	0	1				325	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-17	6.0	0	0				265	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-18	0.0	0	11				460	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-18	3.0	0	1				220	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-18	6.0	0	0				180	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	



# Daily Soil Sampling

BH22-19	0.0	0	19				517	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-19	3.0	0	8				272	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-19	6.0	0	13				240	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-20	0.0	0	2562				1300	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-20	3.0	0	5				397	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-20	6.0	0	8				347	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-21	0.0	0	14				1267	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-21	3.0	0	38				902	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-21	6.0	0	29				707	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-21	9.0	0	12				1267	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-21	12.0	0	32				1075	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-22	0.0	0	24				2980	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	

## Daily Soil Sampling



BH22-22	3.0	0	34				1871	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-22	6.0	0	43				1277	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-22	9.0	0	0				2095	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-22	12.0	0	29				1745	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-23	0.0	0	48				1267	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-23	3.0	0	36				1927	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-23	6.0	0	84				1330	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-23	9.0	0	172				617	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-23	12.0	0	325				505	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	



# Daily Site Visit Report

Client:	EOG Resources Inc.	Inspection Date:	1/26/2022
Site Location Name:	Mallard HM Fee Battery	Report Run Date:	1/26/2022 11:36 PM
Client Contact Name:	Chase Settle	API #:	30-015-22052
Client Contact Phone #:	575-703-6537		
Unique Project ID		Project Owner:	
Project Reference #		Project Manager:	

## Summary of Times

Arrived at Site	1/26/2022 7:50 AM
Departed Site	1/26/2022 2:00 PM

## Field Notes

- 8:14** Arrived on site to continue delineation.
- 10:27** Stepping out BH22-20-BH22-23 from yesterday to the east 10'.
- 10:28** Collected BH22-24-BH22-27 outside the northeast berm and BH22-28-BH22-29 on top of the northwest berm. BH22-24-BH22-27 are hot on chlorides down to 6' and BH22-28-BH-22-29 are clean on chlorides down to 6'
- 10:35** 6' samples for BH22-24-BH22-27 had sandy texture.
- 11:50** BH22-24-BH22-27 at 12' are still hot on titration.
- 12:49** All samples are clean on PetroFlag
- 16:23** BH22-30 is hot on titration at 0', 3', 6', 9', and 12'. 3' is hot on PetroFlag.

## Next Steps & Recommendations

- 1** Continue delineation tomorrow.



# Daily Site Visit Report

## Site Photos

Viewing Direction: South



Descriptive Photo - 1  
Viewing Direction: South  
Desc: Sample area for BH22-24  
Created: 1/26/2022 9:14:47 AM  
Lat:32.715712, Long:-104.369018

Sample area for BH22-24

Viewing Direction: North



Descriptive Photo - 2  
Viewing Direction: North  
Desc: Sample area for BH22-25  
Created: 1/26/2022 10:40:39 AM  
Lat:32.715744, Long:-104.369038

Sample area for BH22-25

Viewing Direction: North



Descriptive Photo - 3  
Viewing Direction: North  
Desc: Sample area for BH22-26  
Created: 1/26/2022 10:40:59 AM  
Lat:32.715808, Long:-104.369051

Sample area for BH22-26

Viewing Direction: North



Descriptive Photo - 4  
Viewing Direction: North  
Desc: Sample area for BH22-27  
Created: 1/26/2022 10:41:17 AM  
Lat:32.715844, Long:-104.369054

Sample area for BH22-27



# Daily Site Visit Report

Viewing Direction: Northeast



Descriptive Photo - 4  
Viewing Direction: Northeast  
Desc: Sample area for BH22-28  
Created: 1/22/2022 1:01:30 PM  
Lat:32.716792, Long: -104.368274

Sample area for BH22-28

Viewing Direction: East



Descriptive Photo - 4  
Viewing Direction: East  
Desc: Sample area for BH22-29  
Created: 1/22/2022 1:01:42 PM  
Lat:32.716792, Long: -104.368274

Sample area for BH22-29

Viewing Direction: Northeast



Descriptive Photo - 4  
Viewing Direction: Northeast  
Desc: Sample area for BH22-30  
Created: 1/22/2022 1:05:18 PM  
Lat:32.716792, Long: -104.368268

Sample area for BH22-30

# Daily Site Visit Report



Daily Site Visit Signature

**Inspector:** Chance Dixon

**Signature:**

A handwritten signature in black ink, appearing to be 'CD' or similar initials, written over a horizontal line.

Signature

# Daily Soil Sampling



**Client:** Client: EOG Resources Inc.

**Location:** Site: Mallard HM Fee Battery

**Date:** (SD: 1/26/22)

Sampling											
		Field Screening								Data Collection	
		Hydrocarbon		Chloride							
Sample ID	Depth (ft)	VOC (PID)	TPH (ppm)	EC Reading (mS/cm)	Temp (°C)	EC Chloride (ppm)	Chloride Titration (ppm)	Lab Analysis	Photo Taken	Marked on Sketch	Refusal Depth (ft)
BH22-24	0.0	0	25				1002	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-24	3.0	0	12				3350	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-24	6.0	0	11				4382	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-24	9.0	0	1				3621	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-24	12.0	0	0				3278	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-25	0.0	0	69				325	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-25	3.0	0	21				935	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-25	6.0	0	10				772	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-25	9.0	0	5				1112	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	

## Daily Soil Sampling



BH22-25	12.0	0	1				1049	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-26	0.0	0	23				4582	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-26	3.0	0	18				3694	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-26	6.0	0	1				2145	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-26	9.0	0	2				2062	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-26	12.0	0	0				1991	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-27	0.0	0	51				180	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-27	3.0	0	37				290	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-27	6.0	0	12				1170	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-27	9.0	0	1				1117	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-27	12.0	0	0				962	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-28	0.0	0	53				255	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	



# Daily Soil Sampling

BH22-28	3.0	0	30				350	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-28	6.0	0	17				405	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-29	0.0	0	48				245	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-29	3.0	0	22				275	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-29	6.0	0	16				275	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-30	0.0	0	278				728	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-30	3.0	0	572				946	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-30	6.0	0	98				1172	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-30	9.0	0	1280					BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-30	12.0	0	25				1129	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	



# Daily Site Visit Report

Client:	<u>EOG Resources Inc.</u>	Inspection Date:	<u>1/27/2022</u>
Site Location Name:	<u>Mallard HM Fee Battery</u>	Report Run Date:	<u>1/29/2022 5:00 PM</u>
Client Contact Name:	<u>Chase Settle</u>	API #:	<u>30-015-22052</u>
Client Contact Phone #:	<u>575-703-6537</u>		
Unique Project ID	<u></u>	Project Owner:	<u></u>
Project Reference #	<u></u>	Project Manager:	<u></u>

### Summary of Times

Arrived at Site	<u>1/27/2022 7:50 AM</u>
Departed Site	<u>1/27/2022 3:05 PM</u>

### Field Notes

- 8:17** Arrived on site to continue delineation.
- 8:18** Stepping out BH22-24-BH22-27 from yesterday out to BH22-31-BH22-34
- 10:58** BH22-31-BH22-35 are all clean on titration, PID, and PetroFlag.
- 10:58** Stepping out BH21-08-BH21-10 to the east with BH22-35-BH22-37
- 13:03** BH22-35 is clean on EC and PetroFlag at 0', 3', and 6'. BH22-36-BH22-38 are hot on EC. Taking them down to 12'
- 14:29** BH22-38 is clean on EC and PetroFlag at 12'. All others are still hot down to 12'. BH22-39 is also hot at 12'

### Next Steps & Recommendations

- 1** Continue delineation tomorrow.



# Daily Site Visit Report

## Site Photos

**Viewing Direction: Northeast**



Descriptive Photo - 1  
Viewing Direction: Northeast  
Desc: Sample area for BH22-31  
Created: 1/27/2022 8:18:40 AM  
Lat:32.716736, Long:-104.387967

Sample area for BH22-31

**Viewing Direction: Southeast**



Descriptive Photo - 2  
Viewing Direction: Southeast  
Desc: Sample area for BH22-32  
Created: 1/27/2022 8:27:25 AM  
Lat:32.716836, Long:-104.387963

Sample area for BH22-32

**Viewing Direction: Southeast**



Descriptive Photo - 3  
Viewing Direction: Southeast  
Desc: Sample area for BH22-33  
Created: 1/27/2022 8:37:12 AM  
Lat:32.716806, Long:-104.387960

Sample area for BH22-33

**Viewing Direction: Northeast**



Descriptive Photo - 4  
Viewing Direction: Northeast  
Desc: Sample area for BH22-34  
Created: 1/27/2022 8:55:56 AM  
Lat:32.716937, Long:-104.388000

Sample area for BH22-34



# Daily Site Visit Report

Viewing Direction: Northeast



Descriptive Photo - 5  
Viewing Direction: Northeast  
Desc: Sample area for BH22-35  
Created: 1/27/2022 1:04:03 PM  
Lat:32.718500, Long:-104.987788

Sample area for BH22-35

Viewing Direction: Southeast



Descriptive Photo - 6  
Viewing Direction: Southeast  
Desc: Sample area for BH22-36  
Created: 1/27/2022 1:04:35 PM  
Lat:32.718500, Long:-104.987818

Sample area for BH22-36

Viewing Direction: Southeast



Descriptive Photo - 7  
Viewing Direction: Southeast  
Desc: Sample area for BH22-37  
Created: 1/27/2022 1:04:48 PM  
Lat:32.718385, Long:-104.987837

Sample area for BH22-37

Viewing Direction: West

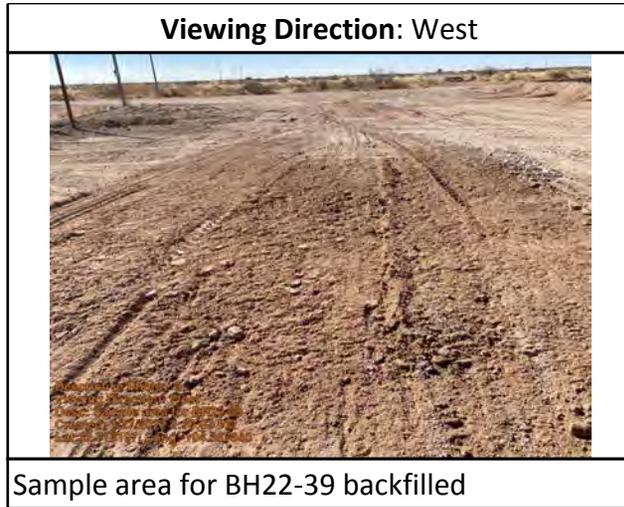


Descriptive Photo - 8  
Viewing Direction: West  
Desc: Sample area for BH22-38  
Created: 1/27/2022 1:05:14 PM  
Lat:32.718266, Long:-104.987868

Sample area for BH22-38



## Daily Site Visit Report



# Daily Site Visit Report



Daily Site Visit Signature

**Inspector:** Chance Dixon

**Signature:**

CD

Signature

# Daily Soil Sampling



**Client:** Client: EOG Resources Inc.

**Location:** Site: Mallard HM Fee Battery

**Date:** (SD: 1/28/22)

Sampling											
		Field Screening								Data Collection	
		Hydrocarbon		Chloride							
Sample ID	Depth (ft)	VOC (PID)	TPH (ppm)	EC Reading (mS/cm)	Temp (°C)	EC Chloride (ppm)	Chloride Titration (ppm)	Lab Analysis	Photo Taken	Marked on Sketch	Refusal Depth (ft)
BH22-31	0.0	0	27				317	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-31	3.0	0	3				692	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-31	6.0	0	0				377	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-32	0.0	0	21				312	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-32	3.0	0	5				400	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-32	6.0	0	1				195	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-33	0.0	0	37				242	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-33	3.0	0	0				420	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-33	6.0	0	12				380	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	



# Daily Soil Sampling

BH22-34	0.0	0	29				240	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-34	3.0	0	13				295	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-34	6.0	0	11				277	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-35	0.0	0	4	0.08	17.1	186		BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-35	3.0	0	2	0.34	17.5	544		BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-35	6.0	0	0	0.12	17.5	226		BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-36	0.0	0		3.75	17.5	5465		BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-36	3.0	0		1.53	17.1	2278		BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-36	6.0	0		0.79	17	1215		BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-36	9.0	0		1.89	21.6	2603		BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-36	12.0	0		1.89	21.6	2603		BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-37	0.0	0		2.49	17.5	3647		BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	



# Daily Soil Sampling

BH22-37	3.0	0		1.23	18.1	1802		BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-37	6.0	0		0.58	17.3	899		BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-37	9.0	0		1.24	21.6	1665		BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-37	12.0	0		1.12	21.2	1509		BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-38	0.0	0					4760	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-38	3.0	0		0.88	20	1215		BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-38	6.0	0					760	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-38	9.0	0		0.62	21.5	775		BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-38	12.0	0	63	0.32	21.4	346		BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-39	0.0	0		3.45	20.3	4911		BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-39	3.0	0		2.12	20	3004		BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-39	6.0	0		1.87	19.1	2683		BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	



# Daily Soil Sampling

BH22-39	9.0	0		1.49	20.4	2078		BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-39	12.0	0		1.11	20	1547		BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	

# Daily Soil Sampling



**Client:** Client: EOG Resources Inc.

**Location:** Site: Mallard HM Fee Battery

**Date:** (SD: 1/31/22)

Sampling											
		Field Screening								Data Collection	
		Hydrocarbon		Chloride							
Sample ID	Depth (ft)	VOC (PID)	TPH (ppm)	EC Reading (mS/cm)	Temp (°C)	EC Chloride (ppm)	Chloride Titration (ppm)	Lab Analysis	Photo Taken	Marked on Sketch	Refusal Depth (ft)
BH22-40	0.0	0	776				235	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-40	3.0	0	28				335	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-40	6.0	0	14				190	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-41	0.0	0	418				260	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-41	3.0	0	76				400	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-41	6.0	0					962	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-41	9.0	0	40				605	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-42	0.0	0	35				315	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-42	3.0	0	19				400	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	



# Daily Soil Sampling

BH22-42	6.0	0	16				567	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-43	0.0	0	20				167	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-43	3.0	0	57				110	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-43	6.0	0	47				552	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-44	0.0	0	52				315	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-44	3.0	0	29				260	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-44	6.0	0	30				292	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	



# Daily Site Visit Report

Client:	<u>EOG Resources Inc.</u>	Inspection Date:	<u>1/31/2022</u>
Site Location Name:	<u>Mallard HM Fee Battery</u>	Report Run Date:	<u>1/31/2022 10:47 PM</u>
Client Contact Name:	<u>Chase Settle</u>	API #:	<u>30-015-22052</u>
Client Contact Phone #:	<u>575-703-6537</u>		
Unique Project ID	<u></u>	Project Owner:	<u></u>
Project Reference #	<u></u>	Project Manager:	<u></u>

## Summary of Times

Arrived at Site 1/31/2022 7:50 AM  
 Departed Site 1/31/2022 1:30 PM

## Field Notes

- 8:17** Arrived on site to continue delineation.
- 8:18** Stepping BH22-36 through BH22-39 out to the east with BH22-40 through BH22-43
- 10:28** BH22-40 and BH22-41 are hot on TPH at 0'. They are clean on all field screening at 3'. BH22-41 is hot on chlorides at 6'
- 10:28** BH22-41 is clean on all field screening at 0', 3', and 6'.
- 10:29** Vertically delineating BH22-41 down to 12'. Stepping BH22-40 and BH22-41 out to the east to BH22-43 and BH22-44
- 10:52** BH22-41 hit refusal at 9'
- 12:50** BH22-43 and BH22-44 is clean on all field screening at 0', 3', and 6'

## Next Steps & Recommendations

1



# Daily Site Visit Report

## Site Photos

Viewing Direction: West



Descriptive Photo - 1  
Viewing Direction: West  
Event: Sample area for BH22-40  
Created: 1/15/2022 11:34:53 AM  
Lat: 37.18604, Long: -104.57577

Sample area for BH22-40

Viewing Direction: West



Descriptive Photo - 2  
Viewing Direction: West  
Event: Sample area for BH22-41  
Created: 1/15/2022 11:35:17 AM  
Lat: 37.18604, Long: -104.57577

Sample area for BH22-41

Viewing Direction: West



Descriptive Photo - 3  
Viewing Direction: West  
Event: Sample area for BH22-42  
Created: 1/15/2022 11:34:53 AM  
Lat: 37.18604, Long: -104.57577

Sample area for BH22-42

Viewing Direction: Northwest



Descriptive Photo - 4  
Viewing Direction: Northwest  
Event: Sample area for BH22-43  
Created: 1/15/2022 11:34:53 AM  
Lat: 37.18604, Long: -104.57577

Sample area for BH22-43



# Daily Site Visit Report

Viewing Direction: Northwest



Sample area for BH22-44

# Daily Site Visit Report



Daily Site Visit Signature

**Inspector:** Chance Dixon

**Signature:**

CD

Signature



# Daily Site Visit Report

Client:	<u>EOG Resources Inc.</u>	Inspection Date:	<u>2/1/2022</u>
Site Location Name:	<u>Mallard HM Fee Battery</u>	Report Run Date:	<u>2/1/2022 11:30 PM</u>
Client Contact Name:	<u>Chase Settle</u>	API #:	<u>30-015-22052</u>
Client Contact Phone #:	<u>575-703-6537</u>		
Unique Project ID	<u></u>	Project Owner:	<u></u>
Project Reference #	<u></u>	Project Manager:	<u></u>

### Summary of Times

Arrived at Site 2/1/2022 7:45 AM  
 Departed Site 2/1/2022 3:25 PM

### Field Notes

- 8:10** Arrived on site to continue delineation.
- 8:10** Beginning BH22-45 through BH22-49 on south side of the pad around the well head.
- 9:24** BH22-45 and BH22-46 are hot on titration at 6'. Digging them down to 12' for 9' and 12' samples.
- 11:16** All samples are clean on PetroFlag so far
- 11:31** Stepping BH22-45 out to the east to BH22-49 and out to the south to BH22-50
- 13:16** BH22-49 and BH22-50 are clean on all field screening. BH22-51 is hot on titration at 3'. Stepping it out to BH22-52 to the south.
- 14:52** BH22-52 is clean on all field screening at 0', 3', and 6'

### Next Steps & Recommendations

1



# Daily Site Visit Report

## Site Photos

Viewing Direction: West



Descriptive Photo - 2  
Viewing Direction: West  
Date: Sample area for BH22-45  
Created: 2/1/2022 8:38:11 AM  
Lat:32.718016, Long:-104.388167

Sample area for BH22-45

Viewing Direction: Northwest



Descriptive Photo - 3  
Viewing Direction: Northwest  
Date: Sample area for BH22-46  
Created: 2/1/2022 8:38:11 AM  
Lat:32.718016, Long:-104.388167

Sample area for BH22-46

Viewing Direction: Northwest



Descriptive Photo - 5  
Viewing Direction: Northwest  
Date: Sample area for BH22-47  
Created: 2/1/2022 8:38:01 AM  
Lat:32.718016, Long:-104.388167

Sample area for BH22-47

Viewing Direction: North



Descriptive Photo - 4  
Viewing Direction: North  
Date: Sample area for BH22-48  
Created: 2/1/2022 8:38:27 AM  
Lat:32.718188, Long:-104.388167

Sample area for BH22-48



# Daily Site Visit Report

Viewing Direction: Northeast



Descriptive Photo - 4  
Viewing Direction: Northeast  
Desc: Sample area for BH22-49  
Created: 2/1/2022 11:34:53 AM  
Lat: 32.718054, Long: -104.883829

Sample area for BH22-49

Viewing Direction: West



Descriptive Photo - 5  
Viewing Direction: West  
Desc: Sample area for BH22-50  
Created: 2/1/2022 11:34:53 AM  
Lat: 32.718054, Long: -104.883829

Sample area for BH22-50

Viewing Direction: West



Descriptive Photo - 7  
Viewing Direction: West  
Desc: Sample area for BH22-52  
Created: 2/1/2022 11:34:53 AM  
Lat: 32.718054, Long: -104.883829

Sample area for BH22-52

# Daily Site Visit Report



Daily Site Visit Signature

**Inspector:** Chance Dixon

**Signature:**

A handwritten signature consisting of the letters 'C' and 'D' in a cursive, looped style.

Signature

# Daily Soil Sampling



**Client:** Client: EOG Resources Inc.

**Location:** Site: Mallard HM Fee Battery

**Date:** (SD: 2/1/22)

Sampling											
		Field Screening								Data Collection	
		Hydrocarbon		Chloride							
Sample ID	Depth (ft)	VOC (PID)	TPH (ppm)	EC Reading (mS/cm)	Temp (°C)	EC Chloride (ppm)	Chloride Titration (ppm)	Lab Analysis	Photo Taken	Marked on Sketch	Refusal Depth (ft)
BH22-45	0.0	0	13				265	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-45	3.0	0	5				802	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-45	6.0	0	16				837	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-45	9.0	0	60				400	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-45	12.0	0	41				290	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-46	0.0	0	22				237	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-46	3.0	0	21				1400	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-46	6.0	0	30				1002	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-46	9.0	0	29				387	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	



# Daily Soil Sampling

BH22-46	12.0	0	12				525	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-47	0.0	0	36				252	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-47	3.0	0	31				342	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-47	6.0	0	17				480	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-48	0.0	0	24				285	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-48	3.0	0	42				362	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-48	6.0	0	57				275	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-49	0.0	0	5				400	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-49	3.0	0	9				377	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-49	6.0	0	1				275	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-50	0.0	0	18				330	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-50	3.0	0	3				322	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	



# Daily Soil Sampling

BH22-50	6.0	0	0				275	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-51	0.0	0	21				387	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-51	3.0	0	12				1835	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-51	6.0	0	1				560	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-52	0.0	0	0				380	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-52	3.0	0	0				225	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-52	6.0	0	0				110	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	





# Daily Site Visit Report

## Site Photos

Viewing Direction: Southwest



Descriptive Photo - 1  
Viewing Direction: Southwest  
Desc: Sample area for BH22-53  
Created: 2/2/2022 9:17:52 AM  
Lat:32.716466, Long:-104.582211

Sample area for BH22-53

Viewing Direction: South



Descriptive Photo - 2  
Viewing Direction: South  
Desc: Poly line discovered on west edge of the berm  
Created: 2/2/2022 9:20:41 AM  
Lat:32.716466, Long:-104.582211

Poly line discovered on west edge of the berm at BH22-53

Viewing Direction: Northwest



Descriptive Photo - 3  
Viewing Direction: Northwest  
Desc: Sample area for BH22-54  
Created: 2/2/2022 9:59:41 AM  
Lat:32.716466, Long:-104.582211

Sample area for BH22-54

Viewing Direction: Northwest



Descriptive Photo - 4  
Viewing Direction: Northwest  
Desc: Sample area for BH22-55  
Created: 2/2/2022 9:59:15 AM  
Lat:32.716466, Long:-104.582211

Sample area for BH22-55



# Daily Site Visit Report

**Viewing Direction: Southwest**



Descriptive Photo - 5  
Viewing Direction: Southwest  
Desc: Sample area for BH22-56  
Created: 2/2/2022 8:55:12 AM  
Lat:32.716818, Long:-104.368304

Sample area for BH22-56

**Viewing Direction: Northeast**



Descriptive Photo - 6  
Viewing Direction: Northeast  
Desc: Sample area for BH22-57  
Created: 2/2/2022 11:52:12 AM  
Lat:32.716828, Long:-104.368339

Sample area for BH22-57

# Daily Site Visit Report



Daily Site Visit Signature

**Inspector:** Chance Dixon

**Signature:**

A handwritten signature in black ink, consisting of the letters 'CD' in a stylized, cursive-like font.

Signature

# Daily Soil Sampling



**Client:** Client: EOG Resources Inc.

**Location:** Site: Mallard HM Fee Battery

**Date:** (SD: 2/2/22)

Sampling											
		Field Screening								Data Collection	
		Hydrocarbon		Chloride							
Sample ID	Depth (ft)	VOC (PID)	TPH (ppm)	EC Reading (mS/cm)	Temp (°C)	EC Chloride (ppm)	Chloride Titration (ppm)	Lab Analysis	Photo Taken	Marked on Sketch	Refusal Depth (ft)
BH22-53	0.0	0	569				1400	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-53	3.0	0	128				1260	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-53	6.0	0	110				1235	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-53	9.0	0	89				550	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-53	12.0	0	80				582	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-54	0.0	0	832				1275	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-54	3.0	0	460				962	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-54	6.0	0	174				780	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-54	9.0	0	50				592	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	

## Daily Soil Sampling



BH22-54	12.0	0	31				590	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-55	0.0	0	917				940	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-55	3.0	0	529				752	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-55	6.0	0	92				377	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-55	9.0	0	87				355	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-55	12.0	0	40				242	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-56	0.0	0	15				377	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-56	3.0	0	12				425	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-56	6.0	0	1				325	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-57	0.0	0	15				290	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-57	3.0	0	6				242	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-57	6.0	0	4				160	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	



# Daily Soil Sampling

BH22-58	0.0	0	9				325	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-58	3.0	0	0				270	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-58	6.0	0	0				270	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	



# Daily Site Visit Report

Client:	<u>EOG Resources Inc.</u>	Inspection Date:	<u>2/8/2022</u>
Site Location Name:	<u>Mallard HM Fee Battery</u>	Report Run Date:	<u>2/9/2022 1:02 AM</u>
Client Contact Name:	<u>Chase Settle</u>	API #:	<u>30-015-22052</u>
Client Contact Phone #:	<u>575-703-6537</u>		
Unique Project ID	<u></u>	Project Owner:	<u></u>
Project Reference #	<u></u>	Project Manager:	<u></u>

## Summary of Times

Arrived at Site	<u>2/8/2022 2:30 PM</u>
Departed Site	<u>2/8/2022 5:00 PM</u>

## Field Notes

- 16:46** Additional pictures for status of dig
- 17:28** Fourteen 20yd loads taken out

## Next Steps & Recommendations

- 1** Continue excavation



# Daily Site Visit Report

## Site Photos

Viewing Direction: North



North end of excavation

Viewing Direction: West



North end of excavation

Viewing Direction: South



South end of excavation towards stock pile

Viewing Direction: South



South end of excavation towards stock pile



# Daily Site Visit Report

**Viewing Direction: North**

**Stock pile**

**Viewing Direction: North**

**Excavation fence off**

# Daily Site Visit Report



Daily Site Visit Signature

**Inspector:** Austin Harris

**Signature:**

A handwritten signature in black ink, appearing to be 'AH', written over a horizontal line.

Signature



# Daily Site Visit Report

Client:	<u>EOG Resources Inc.</u>	Inspection Date:	<u>2/7/2022</u>
Site Location Name:	<u>Mallard HM Fee Battery</u>	Report Run Date:	<u>2/7/2022 10:40 PM</u>
Client Contact Name:	<u>Chase Settle</u>	API #:	<u>30-015-22052</u>
Client Contact Phone #:	<u>575-703-6537</u>		
Unique Project ID	<u></u>	Project Owner:	<u></u>
Project Reference #	<u></u>	Project Manager:	<u></u>

### Summary of Times

Arrived at Site	<u>2/7/2022 8:30 AM</u>
Departed Site	<u>2/7/2022 4:00 PM</u>

### Field Notes

- 9:55** Starting excavation in containment area. Taking down to 4 ft bgs
- 9:56** Field screens to be used as guidance to determine all horizontal areas for wall samples
- 15:37** Five wall samples completed to determine extents on north wall

### Next Steps & Recommendations

- 1** Continue excavation



# Daily Site Visit Report

## Site Photos

Viewing Direction: East



Descriptive Photo - 3  
Viewing Direction: East  
Desc: North wall area  
Created: 5/7/2022 9:58:21 AM  
Lat:32.71704, Long:-104.388212

North wall area

Viewing Direction: South



Descriptive Photo - 3  
Viewing Direction: South  
Desc: Excavation  
Created: 5/7/2022 9:58:21 AM  
Lat:32.71704, Long:-104.388212

Excavation

Viewing Direction: West



Descriptive Photo - 4  
Viewing Direction: West  
Desc: Excavation area  
Created: 5/7/2022 9:58:21 AM  
Lat:32.71704, Long:-104.388212

Excavation area

Viewing Direction: Southwest



Descriptive Photo - 4  
Viewing Direction: Southwest  
Desc: Excavation area  
Created: 5/7/2022 9:58:21 AM  
Lat:32.71704, Long:-104.388212

Excavation area



# Daily Site Visit Report

**Viewing Direction: East**

Descriptive Photo - 5  
Viewing Direction: East  
Date: Excavation  
Created: 5/7/2022 3:04:04 PM  
Latitude: 37.7131 Longitude: 104.98178

**Excavation**

**Viewing Direction: South**

Descriptive Photo - 5  
Viewing Direction: South  
Date: Excavation  
Created: 5/7/2022 3:04:04 PM  
Latitude: 37.7131 Longitude: 104.98178

**Excavation**

# Daily Site Visit Report



Daily Site Visit Signature

**Inspector:** Monica Peppin

**Signature:**

A handwritten signature in black ink, appearing to be 'M. Peppin', written over a horizontal line.

Signature



# Daily Site Visit Report

Client:	<u>EOG Resources Inc.</u>	Inspection Date:	<u>2/9/2022</u>
Site Location Name:	<u>Mallard HM Fee Battery</u>	Report Run Date:	<u>2/9/2022 8:52 PM</u>
Client Contact Name:	<u>Chase Settle</u>	API #:	<u>30-015-22052</u>
Client Contact Phone #:	<u>575-703-6537</u>		
Unique Project ID	<u></u>	Project Owner:	<u></u>
Project Reference #	<u></u>	Project Manager:	<u></u>

## Summary of Times

Arrived at Site	<u>2/9/2022 8:00 AM</u>
Departed Site	<u>2/9/2022 3:30 PM</u>

## Field Notes

- 9:45** Continue excavation in containment area. Collect wall samples on west and east sides for guidance of excavation
- 10:46** Taking east wall out further by six foot. Field screens are elevated in chlorides
- 13:30** 14 loads yesterday hauled from site
- 13:48** Working on east wall and able to find clean. The further south we move the further east excavation moves

## Next Steps & Recommendations

- 1 Continue excavation



# Daily Site Visit Report

## Site Photos

Viewing Direction: North



Descriptive Photo - 1  
Viewing Direction: North  
Date: Excavation area  
Created: 2/9/2022 10:47:20 AM  
Lat:32.716720, Long:-104.389099

Excavation area

Viewing Direction: West



Descriptive Photo - 2  
Viewing Direction: West  
Date: West wall area  
Created: 2/9/2022 10:47:20 AM  
Lat:32.716850, Long:-104.389099

West wall area

Viewing Direction: West



Descriptive Photo - 3  
Viewing Direction: West  
Date: Excavation area  
Created: 2/9/2022 1:23:04 PM  
Lat:32.716920, Long:-104.387946

Excavation area

Viewing Direction: South



Descriptive Photo - 4  
Viewing Direction: South  
Date: Excavation area  
Created: 2/9/2022 2:24:03 PM  
Lat:32.717185, Long:-104.389099

Excavation area



# Daily Site Visit Report

Viewing Direction: Southeast



Excavation area

Viewing Direction: West



Soil pile

Viewing Direction: Northwest



Excavation area

# Daily Site Visit Report



Daily Site Visit Signature

**Inspector:** Monica Peppin

**Signature:**

A handwritten signature in black ink, appearing to be 'M. Peppin', written over a thin horizontal line. The word 'Signature' is printed in small text below the line on the left side.



# Daily Soil Sampling

**Client:** Client: EOG Resources Inc.

**Location:** Site: Mallard HM Fee Battery

**Date:** (SD: 2/9/22)

Sampling											
		Field Screening								Data Collection	
		Hydrocarbon		Chloride							
Sample ID	Depth (ft)	VOC (PID)	TPH (ppm)	EC Reading (mS/cm)	Temp (°C)	EC Chloride (ppm)	Chloride Titration (ppm)	Lab Analysis	Photo Taken	Marked on Sketch	Refusal Depth (ft)
WES22-01	4.0	0					3662				
WES22-02	4.0	0					4547				
WES22-03	4.0	0					2572				
WES22-04	4.0	0					5612				
WES22-05	4.0	0	18				282				
WES22-06	4.0	0	15				595				



# Daily Site Visit Report

Client:	<u>EOG Resources Inc.</u>	Inspection Date:	<u>2/10/2022</u>
Site Location Name:	<u>Mallard HM Fee Battery</u>	Report Run Date:	<u>2/11/2022 12:13 AM</u>
Client Contact Name:	<u>Chase Settle</u>	API #:	<u>30-015-22052</u>
Client Contact Phone #:	<u>575-703-6537</u>		
Unique Project ID	<u></u>	Project Owner:	<u></u>
Project Reference #	<u></u>	Project Manager:	<u></u>

## Summary of Times

Arrived at Site 2/10/2022 8:15 AM  
 Departed Site 2/10/2022 4:15 PM

## Field Notes

- 15:52** Per project manager Monica Peppin instruction:  
 Field screen wall samples for chloride.  
 Samples that pass strictest closure criteria may further be tested for TPH.  
 No gps points taken of sample locations as this is only spot checking and no samples going to lab.
- 15:51** Sampled East wall from farthest Northeast corner to South end of current excavation progress.
- 15:53** Obtained and screened WS22-01 to WS22-15.  
 See corresponding field screen form and soil report.

## Next Steps & Recommendations

- 1 Continue sampling and excavation



# Daily Site Visit Report

## Site Photos

**Viewing Direction: Northeast**



East wall that has been excavated out. Walls resembling stair steps as numbers get lower as we dig eastward, resembling a bubble out.

**Viewing Direction: South**



East wall after excavation



# Daily Site Visit Report

**Viewing Direction: Southwest**

Date & Time: Thu 5/4/2022 12:51:00 PM  
 Position: +032.718797, -104.387781  
 Altitude: 1032m  
 Datum: WGS-84  
 Azimuth Bearing: 270 S90W 4800m  
 Zoom: 1X

**Descriptive Photo - 0: 4:28:01**  
 Viewing Direction: Southwest  
 Object: What seems to be buried carbon fiber tank discovered in middle of excavation  
 Created: 2/10/2022 4:02:48 PM  
 Lat: 32.718797, Long: -104.387781

What seems to be buried carbon fiber tank discovered in middle of excavation. Large black stained area.

**Viewing Direction: Southwest**

Date & Time: Thu 5/4/2022 12:51:00 PM  
 Position: +032.718797, -104.387781  
 Altitude: 1033m  
 Datum: WGS-84  
 Azimuth Bearing: 276 S31W 1800m  
 Zoom: 1X

**Descriptive Photo - 0: 4:28:01**  
 Viewing Direction: Southwest  
 Object: What seems to be buried carbon fiber tank discovered in middle of excavation  
 Created: 2/10/2022 4:02:48 PM  
 Lat: 32.718797, Long: -104.387781

What seems to be buried carbon fiber tank discovered in middle of excavation. Large black stained area.

**Viewing Direction: Southwest**

Date & Time: Thu 5/4/2022 12:51:00 PM  
 Position: +032.701611, -104.392111  
 Altitude: 1034m  
 Datum: WGS-84  
 Azimuth Bearing: 220 S90W 3911m  
 Zoom: 1X

**Descriptive Photo - 0: 4:28:01**  
 Viewing Direction: Southwest  
 Object: What seems to be buried carbon fiber tank discovered in middle of excavation  
 Created: 2/10/2022 4:02:48 PM  
 Lat: 32.701611, Long: -104.392111

What seems to be buried carbon fiber tank discovered in middle of excavation. Large black stained area.

**Viewing Direction: North**

**Descriptive Photo - 0: 4:28:01**  
 Viewing Direction: North  
 Object: Field screen form  
 Created: 2/10/2022 4:02:48 PM  
 Lat: 32.718650, Long: -104.387781

Field screen form

# Daily Site Visit Report



Daily Site Visit Signature

**Inspector:** Austin Harris

**Signature:**

A handwritten signature in black ink, appearing to be 'AH', written over a horizontal line.

Signature



# Daily Soil Sampling

**Client:** Client: EOG Resources Inc.

**Location:** Site: Mallard HM Fee Battery

**Date:** (SD: 2/10/22)

Sampling											
		Field Screening								Data Collection	
		Hydrocarbon		Chloride							
Sample ID	Depth (ft)	VOC (PID)	TPH (ppm)	EC Reading (mS/cm)	Temp (°C)	EC Chloride (ppm)	Chloride Titration (ppm)	Lab Analysis	Photo Taken	Marked on Sketch	Refusal Depth (ft)
WES22-01	4.0	0	44	0.71	19.7	982					
WES22-02						1968					
WES22-02	4.0	0	38	0.38	18.6	554					
WES22-03	4.0	0		1.36	18.6	1968					
WES22-04	4.0	0		1.44	18.1	2105					
WES22-05	4.0	0		0.96	18.1	1412					
WES22-06	4.0	0		0.86	20.7	1156					
WES22-07	4.0	0		1.38	20.6	1910					
WES22-08	4.0	0		2.92	20.2	4150					
WES22-09	4.0	0		1.80	20.1	2538					
WES22-10	4.0	0		0.95	20.5	1294					
WES22-11	4.0	0	30	0.51	23	551					
WES22-12	4.0	0		1.20	21	1633					
WES22-13	4.0	0		0.60	20.6	785					
WES22-14	4.0	0		1.72	20.2	2418					
WES22-15	4.0	0		1.62	20	2283					





# Daily Site Visit Report

## Site Photos

Viewing Direction: South



East wall

Viewing Direction: South



South end progress of excavation

Viewing Direction: West



Middle area near access road and west wall

Viewing Direction: Northwest



North end

# Daily Site Visit Report



Daily Site Visit Signature

**Inspector:** Austin Harris

**Signature:**

A handwritten signature in black ink, appearing to be 'A. Harris', written over a horizontal line.

Signature



# Daily Site Visit Report

Client:	<u>EOG Resources Inc.</u>	Inspection Date:	<u>2/12/2022</u>
Site Location Name:	<u>Mallard HM Fee Battery</u>	Report Run Date:	<u>2/12/2022 10:10 PM</u>
Client Contact Name:	<u>Chase Settle</u>	API #:	<u>30-015-22052</u>
Client Contact Phone #:	<u>575-703-6537</u>		
Unique Project ID	<u></u>	Project Owner:	<u></u>
Project Reference #	<u></u>	Project Manager:	<u></u>

### Summary of Times

Arrived at Site	<u>2/12/2022 9:00 AM</u>
Departed Site	<u>2/12/2022 1:30 PM</u>

### Field Notes

**13:24** Spot checked base of excavation for chlorides being between 51'-100' closure criteria

### Next Steps & Recommendations

- 1 Continue excavation



# Daily Site Visit Report

## Site Photos

Viewing Direction: South



Excavated area as of 2-11-2022

Viewing Direction: South



Excavated area as of 2-11-2022.  
Samples 1-5 indicated on picture.

Viewing Direction: Southwest



Excavated area as of 2-11-2022

Viewing Direction: North



Excavated area as of 2-11-2022



# Daily Site Visit Report

**Viewing Direction: North**

Descriptive Photo - 5  
Viewing Direction: North  
Desc: Rough sketch of base sample spot checks  
Created: 2/12/2022 1:28:32 PM  
Lat:32.718212, Long:-104.988100

Rough sketch of base sample spot checks

**Viewing Direction: North**

Spill Response		Field Screens	
Screen #	Depth	Flow	Temp
1	1.5	1.2	1.2
2	1.5	1.2	1.2
3	1.5	1.2	1.2
4	1.5	1.2	1.2
5	1.5	1.2	1.2

Descriptive Photo - 6  
Viewing Direction: North  
Desc: Field screens  
Created: 2/12/2022 1:28:48 PM  
Lat:32.718217, Long:-104.988100

Field screens

# Daily Site Visit Report



Daily Site Visit Signature

**Inspector:** Austin Harris

**Signature:**

A handwritten signature in black ink, appearing to be 'AH' with a stylized flourish.

Signature



# Daily Soil Sampling

**Client:** Client: EOG Resources Inc.

**Location:** Site: Mallard HM Fee Battery

**Date:** (SD: 2/12/22)

Sampling											
		Field Screening								Data Collection	
		Hydrocarbon		Chloride							
Sample ID	Depth (ft)	VOC (PID)	TPH (ppm)	EC Reading (mS/cm)	Temp (°C)	EC Chloride (ppm)	Chloride Titration (ppm)	Lab Analysis	Photo Taken	Marked on Sketch	Refusal Depth (ft)
BES22-01	4.0	0		0.26	18.8	372					
BES22-02	4.0	0		0.77	18.2	1134					
BES22-03	4.0	0		0.60	17.6	915					
BES22-04	4.0	0		0.84	17.8	1252					
BES22-05	4.0	0		4.20	18	6093					



# Daily Site Visit Report

Client:	<u>EOG Resources Inc.</u>	Inspection Date:	<u>2/14/2022</u>
Site Location Name:	<u>Mallard HM Fee Battery</u>	Report Run Date:	<u>2/14/2022 11:35 PM</u>
Client Contact Name:	<u>Chase Settle</u>	API #:	<u>30-015-22052</u>
Client Contact Phone #:	<u>575-703-6537</u>		
Unique Project ID	<u></u>	Project Owner:	<u></u>
Project Reference #	<u></u>	Project Manager:	<u></u>

## Summary of Times

Arrived at Site	<u>2/14/2022 9:15 AM</u>
Departed Site	<u>2/14/2022 4:15 PM</u>

## Field Notes

- 10:51** Sampling on east wall, all but far north came back clean
- 12:58** Sampling west wall to assess road
- 15:15** Running TPH on samples from earlier; standard has already left for the day.

## Next Steps & Recommendations

- 1** Continue excavation to the south and west, once proper permissions are in place



# Daily Site Visit Report

## Site Photos

Viewing Direction: Northwest



Descriptive Photo:  
Viewing Direction: Northwest  
Date: Current Excavation  
Created: 2/14/2022 3:53:52 PM  
Lat: 32.716586 Long: -104.388211

Current excavation

Viewing Direction: Northeast



Descriptive Photo:  
Viewing Direction: Northeast  
Date: Current Excavation  
Created: 2/14/2022 3:53:52 PM  
Lat: 32.716586 Long: -104.388211

Current excavation

Viewing Direction: Northwest



Descriptive Photo:  
Viewing Direction: Northwest  
Date: Debris uncovered  
Created: 2/14/2022 3:44:27 PM  
Lat: 32.716586 Long: -104.388211

Debris uncovered

# Daily Site Visit Report



Daily Site Visit Signature

**Inspector:** Sally Carttar

**Signature:**

A handwritten signature in black ink, appearing to read 'Sally Carttar', written over a horizontal line. The word 'Signature' is printed in small text below the line on the left side.



# Daily Soil Sampling

**Client:** Client: EOG Resources Inc.

**Location:** Site: Mallard HM Fee Battery

**Date:** (SD: 2/14/22)

Sampling											
		Field Screening								Data Collection	
		Hydrocarbon		Chloride							
Sample ID	Depth (ft)	VOC (PID)	TPH (ppm)	EC Reading (mS/cm)	Temp (°C)	EC Chloride (ppm)	Chloride Titration (ppm)	Lab Analysis	Photo Taken	Marked on Sketch	Refusal Depth (ft)
WES22-01	4.0	0					913				
WES22-02	4.0	0	27				160				
WES22-03	4.0	0					430				
WES22-04	4.0	0	40				488				
WES22-05	4.0	0					595				
WES22-06	4.0	0					1288				
WES22-07	4.0	0	67				448				
WES22-08	4.0	0					5555				
WES22-09	4.0	0	0				3295				
WES22-10	4.0	0					3435				



# Daily Site Visit Report

Client:	<u>EOG Resources Inc.</u>	Inspection Date:	<u>2/15/2022</u>
Site Location Name:	<u>Mallard HM Fee Battery</u>	Report Run Date:	<u>2/15/2022 10:57 PM</u>
Client Contact Name:	<u>Chase Settle</u>	API #:	<u>30-015-22052</u>
Client Contact Phone #:	<u>575-703-6537</u>		
Unique Project ID	<u></u>	Project Owner:	<u></u>
Project Reference #	<u></u>	Project Manager:	<u></u>

## Summary of Times

Arrived at Site	<u>2/15/2022 9:30 AM</u>
Departed Site	<u>2/15/2022 2:15 PM</u>

## Field Notes

- 9:30** Safety meeting
- 10:11** Ran some samples on the south wall, gave Standard a direction to dig once they're done loading trucks
- 12:34** Round of trucks coming through
- 12:34** Everything is very dusty

## Next Steps & Recommendations

- 1 Bring in a water truck
- 2 Continue excavation south according to plan



# Daily Site Visit Report

## Site Photos

**Viewing Direction: South**



Descriptive Photo - 1  
Viewing Direction: South  
Note: Discoloration in stack wall, accompanied by  
strong odor  
Created: 5/16/2022 12:51:57 PM  
Lat:33.718847, Long:-104.887791

Discoloration in south wall, accompanied by strong odor

**Viewing Direction: West**



Descriptive Photo - 2  
Viewing Direction: West  
Note: Very dusty  
Created: 5/16/2022 12:53:42 PM  
Lat:33.718847, Long:-104.887791

Very dusty

**Viewing Direction: Southwest**



Descriptive Photo - 3  
Viewing Direction: Southwest  
Note: Dust coming from excavated dirt and road/pad area  
Created: 5/16/2022 12:54:37 PM  
Lat:33.718847, Long:-104.887791

Dust coming from excavated dirt and road/pad area

# Daily Site Visit Report



Daily Site Visit Signature

**Inspector:** Sally Carttar

**Signature:**

  
Signature



# Daily Site Visit Report

Client:	<u>EOG Resources Inc.</u>	Inspection Date:	<u>2/16/2022</u>
Site Location Name:	<u>Mallard HM Fee Battery</u>	Report Run Date:	<u>2/16/2022 10:38 PM</u>
Client Contact Name:	<u>Chase Settle</u>	API #:	<u>30-015-22052</u>
Client Contact Phone #:	<u>575-703-6537</u>		
Unique Project ID	<u></u>	Project Owner:	<u></u>
Project Reference #	<u></u>	Project Manager:	<u></u>

## Summary of Times

Arrived at Site	<u>2/16/2022 7:00 AM</u>
Departed Site	<u>2/16/2022 3:30 PM</u>

## Field Notes

- 7:15** Stuck in the truck line, completing safety paperwork
- 8:55** Sampled south wall, got clean sample on east end. Pushing the rest farther south to sample later
- 11:52** No more sampling today due to wind. Excavation continues according to the plan established this morning
- 12:36** Loading trucks

## Next Steps & Recommendations

- 1 Continue working all walls and base to clean



# Daily Site Visit Report

## Site Photos

**Viewing Direction: West**



Water truck on site after the first round of belly dumps

**Viewing Direction: Southwest**



Discolored, strongly odored sediments at southwest corner of current excavation

**Viewing Direction: Southwest**



Black, sticky, strongly odored spot at west end of south wall

**Viewing Direction: South**



Black area appears to contain large amount of plant matter



# Daily Site Visit Report

Viewing Direction: Southwest



Descriptive Photo - 7  
Viewing Direction: Southwest  
Date: 5/16/2022 2:43:58 PM  
Created: 5/16/2022 2:43:58 PM  
Lat: 32.716283, Long: -104.385213

Area to be excavated

Viewing Direction: Northwest



Descriptive Photo - 7  
Viewing Direction: Northwest  
Date: 5/16/2022 2:43:58 PM  
Created: 5/16/2022 2:43:58 PM  
Lat: 32.716283, Long: -104.385213

Current excavation

Viewing Direction: South



Descriptive Photo - 7  
Viewing Direction: South  
Date: 5/16/2022 2:43:58 PM  
Created: 5/16/2022 2:43:58 PM  
Lat: 32.716283, Long: -104.385213

Road and pad much more manageable after water truck

# Daily Site Visit Report



Daily Site Visit Signature

**Inspector:** Sally Carttar

**Signature:**

  
Signature



# Daily Site Visit Report

Client:	<u>EOG Resources Inc.</u>	Inspection Date:	<u>2/17/2022</u>
Site Location Name:	<u>Mallard HM Fee Battery</u>	Report Run Date:	<u>2/17/2022 10:37 PM</u>
Client Contact Name:	<u>Chase Settle</u>	API #:	<u>30-015-22052</u>
Client Contact Phone #:	<u>575-703-6537</u>		
Unique Project ID	<u></u>	Project Owner:	<u></u>
Project Reference #	<u></u>	Project Manager:	<u></u>

## Summary of Times

Arrived at Site	<u>2/17/2022 7:15 AM</u>
Departed Site	<u>2/17/2022 3:45 PM</u>

## Field Notes

- 9:04** Screened some samples from east and south walls and provided some direction for excavation, but it is very cold and windy so sampling will be limited until it warms up
- 15:26** Starting to kick out east wall according to field screens and characterization map

## Next Steps & Recommendations

- 1** Continue excavation southward



# Daily Site Visit Report

## Site Photos

Viewing Direction: West



Descriptive Photo - 1  
Viewing Direction: West  
Desc: Discolored area growing  
Created: 2/17/2022 8:23:46 AM  
Lat: 32.716598, Long: -104.387877

Discolored area growing

Viewing Direction: Southwest



Descriptive Photo - 1  
Viewing Direction: Southwest  
Desc: Debris found in top 4'  
Created: 2/17/2022 11:29:02 AM  
Lat: 32.716516, Long: -104.388008

Debris found in top 4'

Viewing Direction: North



Current excavation

# Daily Site Visit Report



Daily Site Visit Signature

**Inspector:** Sally Carttar

**Signature:**

  
Signature



# Daily Site Visit Report

Client:	<u>EOG Resources Inc.</u>	Inspection Date:	<u>2/18/2022</u>
Site Location Name:	<u>Mallard HM Fee Battery</u>	Report Run Date:	<u>2/18/2022 8:30 PM</u>
Client Contact Name:	<u>Chase Settle</u>	API #:	<u>30-015-22052</u>
Client Contact Phone #:	<u>575-703-6537</u>		
Unique Project ID	<u></u>	Project Owner:	<u></u>
Project Reference #	<u></u>	Project Manager:	<u></u>

### Summary of Times

Arrived at Site	<u>2/18/2022 7:00 AM</u>
Departed Site	<u>2/18/2022 12:30 PM</u>

### Field Notes

- 7:35** Loading trucks
- 7:55** Discussed an excavation and sampling plan for this morning

### Next Steps & Recommendations

- 1** Continue excavation



# Daily Site Visit Report

## Site Photos

Viewing Direction: West



Descriptive Photo - 1  
Viewing Direction: East  
Desc: Pad and stockpile after the first round of trucks  
Created: 2/18/2022 7:56:01 AM  
Lat:32.716308, Long:-104.387791

Pad and stockpile after the first round of trucks

Viewing Direction: Northwest



Descriptive Photo - 2  
Viewing Direction: Northwest  
Desc: Area to be excavated this morning  
Created: 2/18/2022 7:56:56 AM  
Lat:32.716303, Long:-104.387790

Area to be excavated this morning

Viewing Direction: South



Descriptive Photo - 3  
Viewing Direction: South  
Desc: New excavation  
Created: 2/18/2022 7:57:01 AM  
Lat:32.716308, Long:-104.387791

New excavation

# Daily Site Visit Report



Daily Site Visit Signature

**Inspector:** Sally Carttar

**Signature:**

  
Signature





# Daily Site Visit Report

## Site Photos

Viewing Direction: West



Descriptive Photo: 1  
Viewing Direction: West  
Desc: First round of trucks  
Created: 2/22/2022 7:52:34 AM  
Lat:32.716133, Long:-104.387864

First round of trucks

Viewing Direction: Northeast



Descriptive Photo: 2  
Viewing Direction: Northeast  
Desc: Current excavation  
Created: 2/22/2022 7:54:01 AM  
Lat:32.720455, Long:-104.387864

Current excavation

# Daily Site Visit Report



Daily Site Visit Signature

**Inspector:** Sally Carttar

**Signature:**

  
Signature



# Daily Site Visit Report

Client:	<u>EOG Resources Inc.</u>	Inspection Date:	<u>2/25/2022</u>
Site Location Name:	<u>Mallard HM Fee Battery</u>	Report Run Date:	<u>2/28/2022 3:41 PM</u>
Client Contact Name:	<u>Chase Settle</u>	API #:	<u>30-015-22052</u>
Client Contact Phone #:	<u>575-703-6537</u>		
Unique Project ID	<u></u>	Project Owner:	<u></u>
Project Reference #	<u></u>	Project Manager:	<u></u>

### Summary of Times

Arrived at Site	<u>2/25/2022 8:00 AM</u>
Departed Site	<u>2/25/2022 3:00 PM</u>

### Field Notes

- 8:35** Beginning excavation down the east wall around the broken-down trackhoe
- 14:01** Wind picked up during lunch, trying to weigh samples accurately

### Next Steps & Recommendations

- 1** Continue excavation into pad



# Daily Site Visit Report

## Site Photos

Viewing Direction: North



Descriptive Photo - 1  
Viewing Direction: East  
Event: Water truck on site to spray pad area  
Created: 2/28/2022 11:05:14 AM  
Lat:32.715155, Long:-104.987300

Water truck on site to spray pad area

Viewing Direction: East



Descriptive Photo - 2  
Viewing Direction: East  
Event: Grey layer in the east wall  
Created: 2/28/2022 11:08:28 AM  
Lat:32.715221, Long:-104.987795

Grey layer in the east wall

Viewing Direction: Northeast



Descriptive Photo - 3  
Viewing Direction: Northeast  
Event: Trench down east wall  
Created: 2/28/2022 11:31:24 AM  
Lat:32.715942, Long:-104.987300

Trench down east side of pad

Viewing Direction: Southeast



Descriptive Photo - 4  
Viewing Direction: Southeast  
Event: Stockpile and pad  
Created: 2/28/2022 2:00:04 PM  
Lat:32.715220, Long:-104.982295

Stockpile and pad



# Daily Site Visit Report



# Daily Site Visit Report



Daily Site Visit Signature

**Inspector:** Sally Carttar

**Signature:**

A handwritten signature in black ink, appearing to read 'Sally Carttar', written over a thin horizontal line. The word 'Signature' is printed in small text below the line on the left side.





# Daily Site Visit Report

## Site Photos

Viewing Direction: Southeast



ImageTitle: Photo - 17  
Viewing Direction: Southeast  
Date: 5/4/2022 1:00:00 PM  
Created: 5/4/2022 1:00:00 PM  
Lat: 32.71872, Long: -104.38307

Cables in east wall

Viewing Direction: East



ImageTitle: Photo - 18  
Viewing Direction: East  
Date: 5/4/2022 1:00:00 PM  
Created: 5/4/2022 1:00:00 PM  
Lat: 32.71872, Long: -104.38307

Colors under the pad

Viewing Direction: Southeast



ImageTitle: Photo - 19  
Viewing Direction: Southeast  
Date: 5/4/2022 3:17:13 PM  
Created: 5/4/2022 3:17:13 PM  
Lat: 32.71872, Long: -104.38307

End of day

Viewing Direction: Southeast



ImageTitle: Photo - 20  
Viewing Direction: Southeast  
Date: 5/4/2022 3:17:13 PM  
Created: 5/4/2022 3:17:13 PM  
Lat: 32.71872, Long: -104.38307

Pad area excavation



# Daily Site Visit Report

Viewing Direction: South



Descriptive Photo - 4  
Viewing Direction: South  
Object: Pad, excavation, and pile  
Created: 5/28/2022 9:58:54 AM  
Latitude: 716516, Longitude: 104.567738

Pad, excavation, and pile

Viewing Direction: Northwest



Descriptive Photo - 4  
Viewing Direction: Northwest  
Object: Tractor still at center of excavation  
Created: 5/28/2022 9:59:41 AM  
Latitude: 716522, Longitude: 104.567738

Trackhoe still at center of excavation

Viewing Direction: Southwest



Descriptive Photo - 5  
Viewing Direction: Southwest  
Object: Excavation into pad  
Created: 5/28/2022 9:57:06 AM  
Latitude: 716517, Longitude: 104.567738

Excavation into pad

Viewing Direction: West



Descriptive Photo - 6  
Viewing Direction: West  
Object: Pad and stockpile  
Created: 5/28/2022 9:57:47 AM  
Latitude: 716524, Longitude: 104.567738

Pad and stockpile



# Daily Site Visit Report

Viewing Direction: Southwest



Descriptive Photo - 7  
Viewing Direction: Southwest  
Date: 5/04/2022  
Created: 5/4/2022 1:04:10 AM  
Lat: 36.718272, Long: -104.38921

Power lines

Viewing Direction: Southwest



Descriptive Photo - 8  
Viewing Direction: Southwest  
Date: 5/04/2022  
Created: 5/4/2022 1:07:44 PM  
Lat: 36.718104, Long: -104.387608

Continuing south, new trackhoe in service

Viewing Direction: Northeast



Descriptive Photo - 9  
Viewing Direction: Northeast  
Date: 5/04/2022  
Created: 5/4/2022 1:33:34 PM  
Lat: 36.718228, Long: -104.387758

Section of east wall high on TPH

# Daily Site Visit Report



Daily Site Visit Signature

**Inspector:** Sally Carttar

**Signature:**

  
Signature



# Daily Soil Sampling

**Client:** Client: EOG Resources Inc.

**Location:** Site: Mallard HM Fee Battery

**Date:** (SD: 2/28/22)

Sampling											
		Field Screening								Data Collection	
		Hydrocarbon		Chloride							
Sample ID	Depth (ft)	VOC (PID)	TPH (ppm)	EC Reading (mS/cm)	Temp (°C)	EC Chloride (ppm)	Chloride Titration (ppm)	Lab Analysis	Photo Taken	Marked on Sketch	Refusal Depth (ft)
WES22-01	4.0	0	41				205				
WES22-02	4.0	0	528				215				
WES22-03	4.0	0	254				250				
WES22-04	4.0	0	28				135				



# Daily Site Visit Report

Client:	<u>EOG Resources Inc.</u>	Inspection Date:	<u>3/1/2022</u>
Site Location Name:	<u>Mallard HM Fee Battery</u>	Report Run Date:	<u>3/1/2022 10:25 PM</u>
Client Contact Name:	<u>Chase Settle</u>	API #:	<u>30-015-22052</u>
Client Contact Phone #:	<u>575-703-6537</u>		
Unique Project ID	<u></u>	Project Owner:	<u></u>
Project Reference #	<u></u>	Project Manager:	<u></u>

## Summary of Times

Arrived at Site 3/1/2022 8:00 AM  
 Departed Site 3/1/2022 3:30 PM

## Field Notes

- 8:55** Working on the south wall into the pad
- 9:02** Water truck coming through
- 13:31** Loading trucks
- 14:09** Still working on that one section of the east wall
- 14:15** Mechanic is back working on the working trackhoe

## Next Steps & Recommendations

- 1** Continue excavation



# Daily Site Visit Report

## Site Photos

Viewing Direction: East



Descriptive Photo - 9  
Viewing Direction: East  
Date: Tie-downs  
Created: 3/1/2022 10:25:00 PM  
Lat:32.718542, Long:-104.587863

Tie-downs

Viewing Direction: East



Descriptive Photo - 10  
Viewing Direction: East  
Date: Tie-downs  
Created: 3/1/2022 3:08:02 PM  
Lat:32.718542, Long:-104.587863

Pad

Viewing Direction: Northeast



Descriptive Photo - 11  
Viewing Direction: Northeast  
Date: Wall and dry hole marker  
Created: 3/1/2022 3:06:02 PM  
Lat:32.718542, Long:-104.587863

Wall and dry hole marker

Viewing Direction: North



Descriptive Photo - 12  
Viewing Direction: North  
Date: Excavation on east side of pad  
Created: 3/1/2022 3:15:02 PM  
Lat:32.718542, Long:-104.587863

Excavation on east side of pad

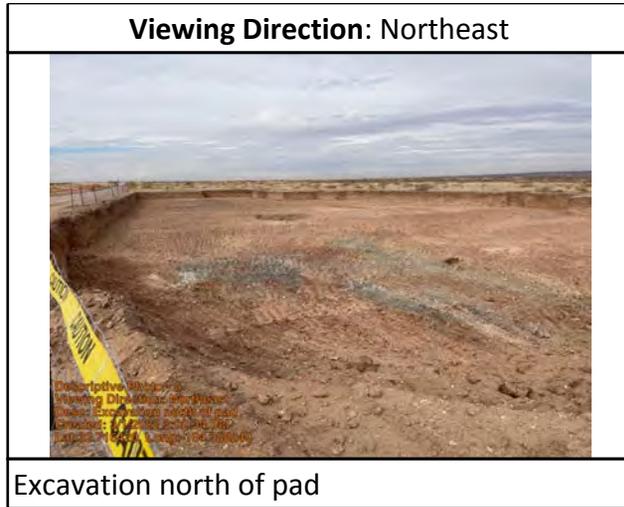


# Daily Site Visit Report





# Daily Site Visit Report



Excavation north of pad



Excavation north of pad



Pad



Pad and pile

# Daily Site Visit Report



Daily Site Visit Signature

**Inspector:** Sally Carttar

**Signature:**

A handwritten signature in black ink, appearing to read 'Sally Carttar', written over a thin horizontal line.

Signature



# Daily Soil Sampling

**Client:** Client: EOG Resources Inc.

**Location:** Site: Mallard HM Fee Battery

**Date:** (SD: 3/1/22)

Sampling											
		Field Screening								Data Collection	
		Hydrocarbon		Chloride							
Sample ID	Depth (ft)	VOC (PID)	TPH (ppm)	EC Reading (mS/cm)	Temp (°C)	EC Chloride (ppm)	Chloride Titration (ppm)	Lab Analysis	Photo Taken	Marked on Sketch	Refusal Depth (ft)
WES22-01	4.0	0	74				205				
WES22-03	4.0	0	3				190				
WES22-04	4.0	0	8				105				



# Daily Site Visit Report

Client:	<u>EOG Resources Inc.</u>	Inspection Date:	<u>3/2/2022</u>
Site Location Name:	<u>Mallard HM Fee Battery</u>	Report Run Date:	<u>3/2/2022 10:47 PM</u>
Client Contact Name:	<u>Chase Settle</u>	API #:	<u>30-015-22052</u>
Client Contact Phone #:	<u>575-703-6537</u>		
Unique Project ID	<u></u>	Project Owner:	<u></u>
Project Reference #	<u></u>	Project Manager:	<u></u>

### Summary of Times

Arrived at Site 3/2/2022 8:00 AM  
 Departed Site 3/2/2022 3:30 PM

### Field Notes

**9:20** Mechanic here to work on the Deere  
**13:39** Loading trucks  
**14:00** Both trackhoes are back up and running

### Next Steps & Recommendations

**1** Continue sampling along west wall and finish excavation



# Daily Site Visit Report

## Site Photos

Viewing Direction: West



Descriptive Photo - 1  
Viewing Direction: West  
Desc: Walls sloped  
Created: 3/2/2022 9:21:02 AM  
Lat:32.716343, Long:-104.389420

Walls sloped

Viewing Direction: Northwest



Descriptive Photo - 2  
Viewing Direction: Northwest  
Desc: Under pad  
Created: 3/2/2022 1:11:23 PM  
Lat:32.716343, Long:-104.389420

Under pad

Viewing Direction: Southeast



Descriptive Photo - 3  
Viewing Direction: Southeast  
Desc: Stockpiling dirt for the morning  
Created: 3/2/2022 3:05:30 PM  
Lat:32.716343, Long:-104.389420

Stockpiling dirt for the morning

Viewing Direction: Northwest



Descriptive Photo - 4  
Viewing Direction: Northwest  
Desc: Excavation progressing much more quickly with two excavators  
Created: 3/2/2022 3:06:00 PM  
Lat:32.716343, Long:-104.389420

Excavation progressing much more quickly with two excavators



# Daily Site Visit Report

**Viewing Direction: West**

Descriptive Photo - 2  
Viewing Direction: West  
Desc: Taking down dirt around the dry hole marker  
Created: 3/2/2022 9:21:33 AM  
Lat:32.716196, Long:-104.387831

Taking down the dirt around the dry hole marker

**Viewing Direction: Southwest**

Descriptive Photo - 3  
Viewing Direction: Southwest  
Desc: South wall  
Created: 3/2/2022 9:21:57 AM  
Lat:32.716200, Long:-104.387800

South wall

**Viewing Direction: Northeast**

Descriptive Photo - 3  
Viewing Direction: Northeast  
Desc: East wall  
Created: 3/2/2022 9:25:43 AM  
Lat:32.716196, Long:-104.387831

East wall

**Viewing Direction: Southwest**

Descriptive Photo - 4  
Viewing Direction: Southwest  
Desc: Digging around the dry hole marker  
Created: 3/2/2022 11:29:14 AM  
Lat:32.716200, Long:-104.387800

Digging around the dry hole marker



# Daily Site Visit Report



Working west into the pad



South side of pad



South side of pad



East side of pad area



# Daily Site Visit Report



# Daily Site Visit Report



Daily Site Visit Signature

**Inspector:** Sally Carttar

**Signature:**

  
Signature



# Daily Site Visit Report

Client:	<u>EOG Resources Inc.</u>	Inspection Date:	<u>3/3/2022</u>
Site Location Name:	<u>Mallard HM Fee Battery</u>	Report Run Date:	<u>3/4/2022 12:58 AM</u>
Client Contact Name:	<u>Chase Settle</u>	API #:	<u>30-015-22052</u>
Client Contact Phone #:	<u>575-703-6537</u>		
Unique Project ID	<u></u>	Project Owner:	<u></u>
Project Reference #	<u></u>	Project Manager:	<u></u>

## Summary of Times

Arrived at Site	<u>3/3/2022 8:15 AM</u>
Departed Site	<u>3/3/2022 4:00 PM</u>

## Field Notes

- 8:42** Safety meeting complete, first round of trucks loaded
- 8:42** Starting excavation this morning on the west wall north of the pile
- 8:47** Power trucks on site to take down pole
- 9:10** Waiting for the power guys to finish clearing everything out before we start the excavation back up
- 9:55** Created a sampling plan for the characterization wall samples
- 10:20** On characterization sampling: BH22-01 through BH22-25 all wall samples from the current excavation. BH22-26 through BH22-50 will all be base samples to characterize 4' excavation. All sample points in collector.
- 16:01** Moved fence to encompass road

## Next Steps & Recommendations

- 1 Continue characterization and excavation



# Daily Site Visit Report

## Site Photos

Viewing Direction: Southwest



Power lines coming down

Viewing Direction: Southeast



Pole coming down off pad

Viewing Direction: Southwest



Poles almost all taken down along the ROW

Viewing Direction: West



Bringing out the west wall slowly toward road, to preserve roadway if at all possible



# Daily Site Visit Report



South side of pad



Pad excavation



Excavation



Excavation

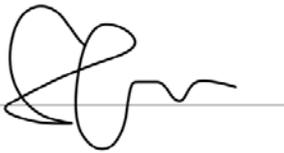
# Daily Site Visit Report



Daily Site Visit Signature

**Inspector:** Sally Carttar

**Signature:**

Signature 

# Daily Soil Sampling



**Client:** Client: EOG Resources Inc.

**Location:** Site: Mallard HM Fee Battery

**Date:** (SD: 3/4/22)

Sampling											
		Field Screening								Data Collection	
		Hydrocarbon		Chloride							
Sample ID	Depth (ft)	VOC (PID)	TPH (ppm)	EC Reading (mS/cm)	Temp (°C)	EC Chloride (ppm)	Chloride Titration (ppm)	Lab Analysis	Photo Taken	Marked on Sketch	Refusal Depth (ft)
BH22-01	4.0		40				283		✓	✓	
BH22-02	4.0		45				370		✓	✓	
BH22-03	4.0		23				280		✓	✓	
BH22-04	4.0		21				250		✓	✓	
BH22-05	4.0		35				377		✓	✓	
BH22-06	4.0		64				377		✓	✓	
BH22-07	4.0		46				363		✓	✓	
BH22-08	4.0		3000				1405		✓	✓	
BH22-09	4.0		66				715		✓	✓	
BH22-10	4.0		19				2180		✓	✓	
BH22-11	4.0		59				4905		✓	✓	
BH22-12	4.0		109				205		✓	✓	
BH22-13	4.0		324				1435		✓	✓	
BH22-14	4.0		274				1418		✓	✓	
BH22-15	4.0		16				172		✓	✓	
BH22-16	4.0		12				150		✓	✓	
BH22-17	4.0		23				230		✓	✓	
BH22-18	4.0		9				260		✓	✓	
BH22-19	4.0		15				220		✓	✓	
BH22-20	4.0		30				2075		✓	✓	
BH22-21	4.0		45				1450		✓	✓	
BH22-22	4.0		42				3220		✓	✓	
BH22-23	4.0		39				6370		✓	✓	
BH22-24	4.0		25				372		✓	✓	
BH22-25	4.0		30				250		✓	✓	



# Daily Site Visit Report

Client:	<u>EOG Resources Inc.</u>	Inspection Date:	<u>3/4/2022</u>
Site Location Name:	<u>Mallard HM Fee Battery</u>	Report Run Date:	<u>3/4/2022 8:37 PM</u>
Client Contact Name:	<u>Chase Settle</u>	API #:	<u>30-015-22052</u>
Client Contact Phone #:	<u>575-703-6537</u>		
Unique Project ID	<u></u>	Project Owner:	<u></u>
Project Reference #	<u></u>	Project Manager:	<u></u>

### Summary of Times

Arrived at Site 3/4/2022 7:00 AM  
 Departed Site 3/4/2022 1:45 PM

### Field Notes

- 8:12** Overcast with a slight chance of rain. GPS not working; trying to map out excavation on the computer
- 10:11** Running field screens for base characterization samples BH22-26 through BH22-50
- 10:53** Water truck coming through for the second time today

### Next Steps & Recommendations

- 1 Continue excavation



# Daily Site Visit Report

## Site Photos

Viewing Direction: North



Descriptive Photo - 1  
Viewing Direction: North  
Desc: Digging out pad west toward road  
Created: 3/4/2022 9:12:47 AM  
Lat:32.718058, Long:-104.387889

Digging out pad west toward road

Viewing Direction: Northwest



Descriptive Photo - 2  
Viewing Direction: Northwest  
Desc: Running out of space for loader, will soon have to build ramp  
Created: 3/4/2022 9:13:28 AM  
Lat:32.718049, Long:-104.387880

Running out of space for loader, will soon have to build ramp

Viewing Direction: Southeast



Descriptive Photo - 3  
Viewing Direction: Southeast  
Desc: Part of east wall that came back hot yesterday  
Created: 3/4/2022 9:14:08 AM  
Lat:32.718058, Long:-104.387832

Part of east wall that came back hot yesterday

Viewing Direction: East



Descriptive Photo - 4  
Viewing Direction: East  
Desc: Part of east wall that came back hot yesterday  
Created: 3/4/2022 9:14:08 AM  
Lat:32.718058, Long:-104.387832

Part of east wall that came back hot yesterday



# Daily Site Visit Report



Remaining pad area from north



Hot section of west wall



Excavation at midday



Remainder of pad area



# Daily Site Visit Report



# Daily Site Visit Report



Daily Site Visit Signature

**Inspector:** Sally Carttar

**Signature:**

  
Signature

# Daily Soil Sampling



**Client:** Client: EOG Resources Inc.

**Location:** Site: Mallard HM Fee Battery

**Date:** (SD: 3/4/22)

Sampling											
		Field Screening						Lab Analysis	Data Collection		
		Hydrocarbon		Chloride					Photo Taken	Marked on Sketch	Refusal Depth (ft)
Sample ID	Depth (ft)	VOC (PID)	TPH (ppm)	EC Reading (mS/cm)	Temp (°C)	EC Chloride (ppm)	Chloride Titration (ppm)				
BH22-26	4.0		72				757	Benzene (EPA SW-846 Method 8021B/8260B), BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-27	4.0		53				1590	Benzene (EPA SW-846 Method 8021B/8260B), BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-28	4.0		569				582	Benzene (EPA SW-846 Method 8021B/8260B), BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-29	4.0		567				2695	Benzene (EPA SW-846 Method 8021B/8260B), BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-30	4.0		53				1067	Benzene (EPA SW-846 Method 8021B/8260B), BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-31	4.0		104				3355	Benzene (EPA SW-846 Method 8021B/8260B), BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	

## Daily Soil Sampling



BH22-32	4.0		50				875	Benzene (EPA SW-846 Method 8021B/8260B), BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-33	4.0		3300				3437	Benzene (EPA SW-846 Method 8021B/8260B), BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-34	4.0		70				902	Benzene (EPA SW-846 Method 8021B/8260B), BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-35	4.0		78				3317	Benzene (EPA SW-846 Method 8021B/8260B), BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-36	4.0		692				785	Benzene (EPA SW-846 Method 8021B/8260B), BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-37	4.0		68				1595	Benzene (EPA SW-846 Method 8021B/8260B), BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-38	4.0		7070				3655	Benzene (EPA SW-846 Method 8021B/8260B), BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-39	4.0		98				7390	Benzene (EPA SW-846 Method 8021B/8260B), BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-40	4.0		27				100	Benzene (EPA SW-846 Method 8021B/8260B), BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	



# Daily Soil Sampling

BH22-41	4.0		2620				270	Benzene (EPA SW-846 Method 8021B/8260B), BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-42	4.0		160				5120	Benzene (EPA SW-846 Method 8021B/8260B), BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-43	4.0		25				375	Benzene (EPA SW-846 Method 8021B/8260B), BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-44	4.0		23				3580	Benzene (EPA SW-846 Method 8021B/8260B), BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-45	4.0		39				2115	Benzene (EPA SW-846 Method 8021B/8260B), BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-46	4.0		155				2778	Benzene (EPA SW-846 Method 8021B/8260B), BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-47	4.0		268				885	Benzene (EPA SW-846 Method 8021B/8260B), BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-48	4.0		62				765	Benzene (EPA SW-846 Method 8021B/8260B), BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
BH22-49	4.0		75				993	Benzene (EPA SW-846 Method 8021B/8260B), BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	

# Daily Soil Sampling



BH22-50	4.0		113				2288	Benzene (EPA SW-846 Method 8021B/8260B), BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)		✓	
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# Daily Site Visit Report

Client:	<u>EOG Resources Inc.</u>	Inspection Date:	<u>3/7/2022</u>
Site Location Name:	<u>Mallard HM Fee Battery</u>	Report Run Date:	<u>3/8/2022 12:08 AM</u>
Client Contact Name:	<u>Chase Settle</u>	API #:	<u>30-015-22052</u>
Client Contact Phone #:	<u>575-703-6537</u>		
Unique Project ID	<u></u>	Project Owner:	<u></u>
Project Reference #	<u></u>	Project Manager:	<u></u>

### Summary of Times

Arrived at Site	<u>3/7/2022 8:00 AM</u>
Departed Site	<u>3/7/2022 3:00 PM</u>

### Field Notes

- 8:58** Finished loading 17 trucks before 8
- 9:00** Working on the west wall, first cleaning up the pile area then moving toward the road west of the berm. Collected samples from east wall where characterization indicated we'd need to go farther out.
- 9:32** Moving the fence farther east to allow more excavation
- 9:33** Loading the second round of trucks
- 11:03** Loading up the rental trackhoe to take it off site
- 13:59** Built a ramp into the excavation for the loader

### Next Steps & Recommendations

- 1** Continue to clean on east and west walls
- 2** Confirmation and backfill



# Daily Site Visit Report

## Site Photos

Viewing Direction: Southeast



Descriptive Photo - 1  
Viewing Direction: Southeast  
Date: Southern part of site this morning  
Created: 5/7/2022 8:29:18 AM  
Latitude: 31.8704, Longitude: 104.582264

Southern part of site this morning

Viewing Direction: West



Descriptive Photo - 10  
Viewing Direction: West  
Date: Stockpiles and west wall  
Created: 5/7/2022 2:38:49 PM  
Latitude: 31.8704, Longitude: 104.582264

Stockpiles and west wall

Viewing Direction: South



Descriptive Photo - 9  
Viewing Direction: South  
Date: West wall  
Created: 5/7/2022 8:29:18 AM  
Latitude: 31.8704, Longitude: 104.582264

West wall

Viewing Direction: South

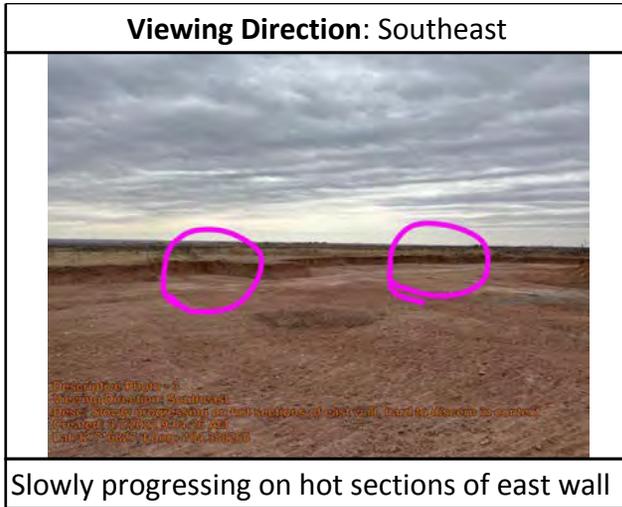


Descriptive Photo - 3  
Viewing Direction: South  
Date: Outlined planned excavation toward road  
Created: 5/7/2022 8:30:18 AM  
Latitude: 31.8704, Longitude: 104.582264

Outlined planned excavation toward road



# Daily Site Visit Report



Slowly progressing on hot sections of east wall



Moving out toward road



Excavation



North end of the excavation



# Daily Site Visit Report

Viewing Direction: Southeast



Descriptive Photo - 7  
Viewing Direction: Southeast  
Desc: Spot on the east wall that's still over 2000 TPH  
Created: 3/7/2022 2:32:00 PM  
Lat:32.716722, Long:-104.587887

Spot on the east wall that's still over 2000 ppm TPH

Viewing Direction: Northwest



Descriptive Photo - 8  
Viewing Direction: Northwest  
Desc: North half of the excavation  
Created: 3/7/2022 2:33:33 PM  
Lat:32.716838, Long:-104.587888

North half of the excavation

Viewing Direction: South



Descriptive Photo - 9  
Viewing Direction: South  
Desc: South half of the excavation  
Created: 3/7/2022 2:34:14 PM  
Lat:32.716838, Long:-104.587888

South half of the excavation

# Daily Site Visit Report



Daily Site Visit Signature

**Inspector:** Sally Carttar

**Signature:**

  
Signature



# Daily Soil Sampling

**Client:** Client: EOG Resources Inc.

**Location:** Site: Mallard HM Fee Battery

**Date:** (SD: 3/7/22)

Sampling											
		Field Screening								Data Collection	
		Hydrocarbon		Chloride							
Sample ID	Depth (ft)	VOC (PID)	TPH (ppm)	EC Reading (mS/cm)	Temp (°C)	EC Chloride (ppm)	Chloride Titration (ppm)	Lab Analysis	Photo Taken	Marked on Sketch	Refusal Depth (ft)
BH22-01	4.0		3000				720				
BH22-02	4.0		161				432				
BH22-03	4.0		116				608				
BH22-04	4.0		74				554				



# Daily Site Visit Report

Client:	<u>EOG Resources Inc.</u>	Inspection Date:	<u>3/8/2022</u>
Site Location Name:	<u>Mallard HM Fee Battery</u>	Report Run Date:	<u>3/8/2022 11:50 PM</u>
Client Contact Name:	<u>Chase Settle</u>	API #:	<u>30-015-22052</u>
Client Contact Phone #:	<u>575-703-6537</u>		
Unique Project ID	<u></u>	Project Owner:	<u></u>
Project Reference #	<u></u>	Project Manager:	<u></u>

### Summary of Times

Arrived at Site	<u>3/8/2022 8:00 AM</u>
Departed Site	<u>3/8/2022 3:45 PM</u>

### Field Notes

- 8:28** Loaded the first round of 16 trucks
- 8:29** Talked to George Flores from EOG about safety concerns and site operations. He plans to wait until work here is done before removing power lines between Mallard and 285
- 10:23** Running the line finder
- 10:46** Water truck came through
- 13:01** Loading more trucks

### Next Steps & Recommendations

- 1 Sample the new areas on east and west walls, dig more where necessary
- 2 Start digging base after walls are set
- 3 Continue with confirmation and backfill



# Daily Site Visit Report

## Site Photos

Viewing Direction: Southeast



Disruptive Photo - 1  
Viewing Direction: Southeast  
Date: 5/4/2022 8:30:13 AM  
Created: 5/4/2022 8:30:13 AM  
Lat: 32.716226, Long: -99.389444

Work on pile

Viewing Direction: Southeast



Disruptive Photo - 2  
Viewing Direction: Southeast  
Date: 5/4/2022 8:31:10 AM  
Created: 5/4/2022 8:31:10 AM  
Lat: 32.716226, Long: -99.389444

Clearing up dirt from road

Viewing Direction: Southeast



Disruptive Photo - 3  
Viewing Direction: Southeast  
Date: 5/4/2022 8:31:10 AM  
Created: 5/4/2022 8:31:10 AM  
Lat: 32.716226, Long: -99.389444

Cleaning up walls

Viewing Direction: Southwest



Disruptive Photo - 4  
Viewing Direction: Southwest  
Date: 5/4/2022 8:31:10 AM  
Created: 5/4/2022 8:31:10 AM  
Lat: 32.716226, Long: -99.389444

Still not taking out the road, but getting closer.



# Daily Site Visit Report

Viewing Direction: South



Progress on west wall

Viewing Direction: Southeast



Excavation

Viewing Direction: Northeast



Excavation

# Daily Site Visit Report



Daily Site Visit Signature

**Inspector:** Sally Carttar

**Signature:**

A handwritten signature in black ink, appearing to be 'Sally Carttar', written over a thin horizontal line. The word 'Signature' is printed in small text below the line.



# Daily Site Visit Report

Client:	<u>EOG Resources Inc.</u>	Inspection Date:	<u>3/9/2022</u>
Site Location Name:	<u>Mallard HM Fee Battery</u>	Report Run Date:	<u>3/9/2022 11:40 PM</u>
Client Contact Name:	<u>Chase Settle</u>	API #:	<u>30-015-22052</u>
Client Contact Phone #:	<u>575-703-6537</u>		
Unique Project ID	<u></u>	Project Owner:	<u></u>
Project Reference #	<u></u>	Project Manager:	<u></u>

## Summary of Times

Arrived at Site	<u>3/9/2022 8:00 AM</u>
Departed Site	<u>3/9/2022 3:45 PM</u>

## Field Notes

- 11:12** Samples along part of road still coming back hot. Making a plan to divert trucks through excavation so we can start digging into the road.
- 11:26** Wind is picking up

## Next Steps & Recommendations

- 1 Continue to clean on the west side



# Daily Site Visit Report

## Site Photos

Viewing Direction: West



Descriptive Photo - 1  
Viewing Direction: West  
Desc: Water truck  
Created: 3/9/2022 9:06:16 AM  
Lat:32.716673, Long:-104.387782

Water truck

Viewing Direction: East



Descriptive Photo - 10  
Viewing Direction: East  
Desc: Excavator ready to start building the ramp  
Created: 3/9/2022 3:57:43 PM  
Lat:32.716777, Long:-104.388000

Getting ready to start building the ramp

Viewing Direction: Northeast



Descriptive Photo - 11  
Viewing Direction: Northeast  
Desc: South end of pad  
Created: 3/9/2022 2:58:02 PM  
Lat:32.715932, Long:-104.388187

South end of pad

Viewing Direction: North



Descriptive Photo - 12  
Viewing Direction: North  
Desc: Full wall on west side  
Created: 3/9/2022 2:56:38 PM  
Lat:32.715932, Long:-104.388187

Full wall on west side



# Daily Site Visit Report





# Daily Site Visit Report



Almost completely through Pad to road



Excavation



South end of excavation



Road before



# Daily Site Visit Report



Removing the rest of the west wall



Got a second loader on site



East wall finally cleared up



No news on the north end

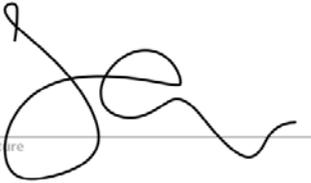
# Daily Site Visit Report



Daily Site Visit Signature

**Inspector:** Sally Carttar

**Signature:**

  
Signature



# Daily Soil Sampling

**Client:** Client: EOG Resources Inc.

**Location:** Site: Mallard HM Fee Battery

**Date:** (SD: 3/9/22)

Sampling											
		Field Screening								Data Collection	
		Hydrocarbon		Chloride							
Sample ID	Depth (ft)	VOC (PID)	TPH (ppm)	EC Reading (mS/cm)	Temp (°C)	EC Chloride (ppm)	Chloride Titration (ppm)	Lab Analysis	Photo Taken	Marked on Sketch	Refusal Depth (ft)
BH22-01	4.0		8				588				
BH22-02	4.0		22				330				
BH22-03	4.0		0				545				
BH22-04	4.0		90				560				
BH22-05	4.0		6				550				
BH22-06	4.0		54				560				
BH22-07	4.0		103				961				



# Daily Site Visit Report

Client:	<u>EOG Resources Inc.</u>	Inspection Date:	<u>3/10/2022</u>
Site Location Name:	<u>Mallard HM Fee Battery</u>	Report Run Date:	<u>3/10/2022 11:13 PM</u>
Client Contact Name:	<u>Chase Settle</u>	API #:	<u>30-015-22052</u>
Client Contact Phone #:	<u>575-703-6537</u>		
Unique Project ID	<u></u>	Project Owner:	<u></u>
Project Reference #	<u></u>	Project Manager:	<u></u>

### Summary of Times

Arrived at Site	<u>3/10/2022 8:00 AM</u>
Departed Site	<u>3/10/2022 4:15 PM</u>

### Field Notes

- 8:42** Safety meeting complete, first round of trucks loaded. Beginning work with west wall
- 11:14** Working on getting east wall clean after re-screening some areas

### Next Steps & Recommendations

- 1 Dig to clean on east and west walls
- 2 Continue to dig base



# Daily Site Visit Report

## Site Photos

Viewing Direction: South



Descriptive Photo - 1  
Viewing Direction: South  
Date: 3/10/2022 3:43:37 AM  
Created: 3/10/2022 3:43:37 AM  
Lat: 32.719216, Long: -104.388255

One of the trucks having mechanical trouble

Viewing Direction: Southeast



Descriptive Photo - 10  
Viewing Direction: Southeast  
Date: 3/10/2022 3:53:41 PM  
Created: 3/10/2022 3:53:41 PM  
Lat: 32.719216, Long: -104.388255

Pile

Viewing Direction: East



Descriptive Photo - 5  
Viewing Direction: East  
Date: 3/10/2022 3:46:46 AM  
Created: 3/10/2022 3:46:46 AM  
Lat: 32.719216, Long: -104.388255

Completed exit ramp

Viewing Direction: East



Descriptive Photo - 11  
Viewing Direction: East  
Date: 3/10/2022 3:46:46 AM  
Created: 3/10/2022 3:46:46 AM  
Lat: 32.719216, Long: -104.388255

Completed entrance ramp



# Daily Site Visit Report



Excavation



Loading trucks in the excavation



Progress on the east wall



East wall



# Daily Site Visit Report



# Daily Site Visit Report



Daily Site Visit Signature

**Inspector:** Sally Carttar

**Signature:**

  
Signature

**ATTACHMENT 5**



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

October 12, 2021

Chase Settle

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX

RE: Mallard HM Fee Battery

OrderNo.: 2110374

Dear Chase Settle:

Hall Environmental Analysis Laboratory received 9 sample(s) on 10/7/2021 for the analyses presented in the following report.

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

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

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

Sincerely,

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

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

**Analytical Report**

Lab Order **2110374**

Date Reported: **10/12/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BG21-01 0

**Project:** Mallard HM Fee Battery

**Collection Date:** 10/4/2021 1:30:00 PM

**Lab ID:** 2110374-001

**Matrix:** SOIL

**Received Date:** 10/7/2021 7:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	ND	60		mg/Kg	20	10/10/2021 1:34:37 PM	63179
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	10/11/2021 11:25:02 AM	63164
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/11/2021 11:25:02 AM	63164
Surr: DNOP	89.1	70-130		%Rec	1	10/11/2021 11:25:02 AM	63164
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/11/2021 5:52:00 PM	63161
Surr: BFB	91.1	70-130		%Rec	1	10/11/2021 5:52:00 PM	63161
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	10/11/2021 5:52:00 PM	63161
Toluene	ND	0.049		mg/Kg	1	10/11/2021 5:52:00 PM	63161
Ethylbenzene	ND	0.049		mg/Kg	1	10/11/2021 5:52:00 PM	63161
Xylenes, Total	ND	0.097		mg/Kg	1	10/11/2021 5:52:00 PM	63161
Surr: 4-Bromofluorobenzene	79.7	70-130		%Rec	1	10/11/2021 5:52:00 PM	63161

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

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

**Analytical Report**

Lab Order **2110374**

Date Reported: **10/12/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BG21-01 1

**Project:** Mallard HM Fee Battery

**Collection Date:** 10/4/2021 1:35:00 PM

**Lab ID:** 2110374-002

**Matrix:** SOIL

**Received Date:** 10/7/2021 7:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	ND	60		mg/Kg	20	10/10/2021 1:47:02 PM	63179
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/11/2021 11:36:29 AM	63164
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/11/2021 11:36:29 AM	63164
Surr: DNOP	86.7	70-130		%Rec	1	10/11/2021 11:36:29 AM	63164
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/11/2021 6:11:00 PM	63161
Surr: BFB	93.5	70-130		%Rec	1	10/11/2021 6:11:00 PM	63161
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	10/11/2021 6:11:00 PM	63161
Toluene	ND	0.049		mg/Kg	1	10/11/2021 6:11:00 PM	63161
Ethylbenzene	ND	0.049		mg/Kg	1	10/11/2021 6:11:00 PM	63161
Xylenes, Total	ND	0.098		mg/Kg	1	10/11/2021 6:11:00 PM	63161
Surr: 4-Bromofluorobenzene	78.9	70-130		%Rec	1	10/11/2021 6:11:00 PM	63161

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

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

**Analytical Report**

Lab Order **2110374**

Date Reported: **10/12/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BG21-01 2

**Project:** Mallard HM Fee Battery

**Collection Date:** 10/4/2021 1:40:00 PM

**Lab ID:** 2110374-003

**Matrix:** SOIL

**Received Date:** 10/7/2021 7:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	470	60		mg/Kg	20	10/10/2021 1:59:26 PM	63179
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	10/11/2021 11:48:07 AM	63164
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/11/2021 11:48:07 AM	63164
Surr: DNOP	82.7	70-130		%Rec	1	10/11/2021 11:48:07 AM	63164
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/11/2021 6:31:00 PM	63161
Surr: BFB	89.1	70-130		%Rec	1	10/11/2021 6:31:00 PM	63161
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	10/11/2021 6:31:00 PM	63161
Toluene	ND	0.049		mg/Kg	1	10/11/2021 6:31:00 PM	63161
Ethylbenzene	ND	0.049		mg/Kg	1	10/11/2021 6:31:00 PM	63161
Xylenes, Total	ND	0.097		mg/Kg	1	10/11/2021 6:31:00 PM	63161
Surr: 4-Bromofluorobenzene	82.3	70-130		%Rec	1	10/11/2021 6:31:00 PM	63161

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

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

**Analytical Report**

Lab Order **2110374**

Date Reported: **10/12/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BG21-01 3

**Project:** Mallard HM Fee Battery

**Collection Date:** 10/4/2021 1:45:00 PM

**Lab ID:** 2110374-004

**Matrix:** SOIL

**Received Date:** 10/7/2021 7:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	550	60		mg/Kg	20	10/10/2021 2:11:50 PM	63179
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/11/2021 11:59:53 AM	63164
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/11/2021 11:59:53 AM	63164
Surr: DNOP	85.4	70-130		%Rec	1	10/11/2021 11:59:53 AM	63164
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/11/2021 6:51:00 PM	63161
Surr: BFB	87.0	70-130		%Rec	1	10/11/2021 6:51:00 PM	63161
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	10/11/2021 6:51:00 PM	63161
Toluene	ND	0.049		mg/Kg	1	10/11/2021 6:51:00 PM	63161
Ethylbenzene	ND	0.049		mg/Kg	1	10/11/2021 6:51:00 PM	63161
Xylenes, Total	ND	0.098		mg/Kg	1	10/11/2021 6:51:00 PM	63161
Surr: 4-Bromofluorobenzene	74.5	70-130		%Rec	1	10/11/2021 6:51:00 PM	63161

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

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

**Analytical Report**

Lab Order **2110374**

Date Reported: **10/12/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BG21-01 4

**Project:** Mallard HM Fee Battery

**Collection Date:** 10/4/2021 1:50:00 PM

**Lab ID:** 2110374-005

**Matrix:** SOIL

**Received Date:** 10/7/2021 7:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	540	60		mg/Kg	20	10/10/2021 3:13:52 PM	63179
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	10/11/2021 12:12:01 PM	63164
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/11/2021 12:12:01 PM	63164
Surr: DNOP	82.2	70-130		%Rec	1	10/11/2021 12:12:01 PM	63164
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/11/2021 7:10:00 PM	63161
Surr: BFB	90.1	70-130		%Rec	1	10/11/2021 7:10:00 PM	63161
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	10/11/2021 7:10:00 PM	63161
Toluene	ND	0.048		mg/Kg	1	10/11/2021 7:10:00 PM	63161
Ethylbenzene	ND	0.048		mg/Kg	1	10/11/2021 7:10:00 PM	63161
Xylenes, Total	ND	0.097		mg/Kg	1	10/11/2021 7:10:00 PM	63161
Surr: 4-Bromofluorobenzene	78.8	70-130		%Rec	1	10/11/2021 7:10:00 PM	63161

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

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

**Analytical Report**

Lab Order **2110374**

Date Reported: **10/12/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BG21-01 5

**Project:** Mallard HM Fee Battery

**Collection Date:** 10/5/2021 12:30:00 PM

**Lab ID:** 2110374-006

**Matrix:** SOIL

**Received Date:** 10/7/2021 7:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	330	60		mg/Kg	20	10/10/2021 3:51:04 PM	63179
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	10/11/2021 12:24:03 PM	63164
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/11/2021 12:24:03 PM	63164
Surr: DNOP	74.8	70-130		%Rec	1	10/11/2021 12:24:03 PM	63164
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/11/2021 8:09:00 PM	63161
Surr: BFB	91.1	70-130		%Rec	1	10/11/2021 8:09:00 PM	63161
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.023		mg/Kg	1	10/11/2021 8:09:00 PM	63161
Toluene	ND	0.047		mg/Kg	1	10/11/2021 8:09:00 PM	63161
Ethylbenzene	ND	0.047		mg/Kg	1	10/11/2021 8:09:00 PM	63161
Xylenes, Total	ND	0.093		mg/Kg	1	10/11/2021 8:09:00 PM	63161
Surr: 4-Bromofluorobenzene	76.0	70-130		%Rec	1	10/11/2021 8:09:00 PM	63161

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

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

**Analytical Report**

Lab Order **2110374**

Date Reported: **10/12/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BG21-01 6

**Project:** Mallard HM Fee Battery

**Collection Date:** 10/5/2021 12:35:00 PM

**Lab ID:** 2110374-007

**Matrix:** SOIL

**Received Date:** 10/7/2021 7:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	300	60		mg/Kg	20	10/10/2021 4:03:29 PM	63179
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	10/11/2021 12:36:13 PM	63164
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/11/2021 12:36:13 PM	63164
Surr: DNOP	77.8	70-130		%Rec	1	10/11/2021 12:36:13 PM	63164
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/11/2021 8:29:00 PM	63161
Surr: BFB	98.1	70-130		%Rec	1	10/11/2021 8:29:00 PM	63161
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.023		mg/Kg	1	10/11/2021 8:29:00 PM	63161
Toluene	ND	0.047		mg/Kg	1	10/11/2021 8:29:00 PM	63161
Ethylbenzene	ND	0.047		mg/Kg	1	10/11/2021 8:29:00 PM	63161
Xylenes, Total	ND	0.093		mg/Kg	1	10/11/2021 8:29:00 PM	63161
Surr: 4-Bromofluorobenzene	80.9	70-130		%Rec	1	10/11/2021 8:29:00 PM	63161

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

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

**Analytical Report**

Lab Order **2110374**

Date Reported: **10/12/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BG21-01 7

**Project:** Mallard HM Fee Battery

**Collection Date:** 10/5/2021 12:40:00 PM

**Lab ID:** 2110374-008

**Matrix:** SOIL

**Received Date:** 10/7/2021 7:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	180	59		mg/Kg	20	10/10/2021 4:15:53 PM	63179
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/11/2021 12:48:30 PM	63164
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/11/2021 12:48:30 PM	63164
Surr: DNOP	79.1	70-130		%Rec	1	10/11/2021 12:48:30 PM	63164
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/11/2021 8:48:00 PM	63161
Surr: BFB	89.1	70-130		%Rec	1	10/11/2021 8:48:00 PM	63161
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	10/11/2021 8:48:00 PM	63161
Toluene	ND	0.049		mg/Kg	1	10/11/2021 8:48:00 PM	63161
Ethylbenzene	ND	0.049		mg/Kg	1	10/11/2021 8:48:00 PM	63161
Xylenes, Total	ND	0.098		mg/Kg	1	10/11/2021 8:48:00 PM	63161
Surr: 4-Bromofluorobenzene	80.7	70-130		%Rec	1	10/11/2021 8:48:00 PM	63161

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

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

**Analytical Report**

Lab Order **2110374**

Date Reported: **10/12/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BG21-01 8

**Project:** Mallard HM Fee Battery

**Collection Date:** 10/5/2021 12:45:00 PM

**Lab ID:** 2110374-009

**Matrix:** SOIL

**Received Date:** 10/7/2021 7:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	130	60		mg/Kg	20	10/10/2021 4:28:18 PM	63179
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	10/11/2021 1:00:51 PM	63164
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/11/2021 1:00:51 PM	63164
Surr: DNOP	80.8	70-130		%Rec	1	10/11/2021 1:00:51 PM	63164
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/11/2021 9:08:00 PM	63161
Surr: BFB	91.1	70-130		%Rec	1	10/11/2021 9:08:00 PM	63161
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	10/11/2021 9:08:00 PM	63161
Toluene	ND	0.047		mg/Kg	1	10/11/2021 9:08:00 PM	63161
Ethylbenzene	ND	0.047		mg/Kg	1	10/11/2021 9:08:00 PM	63161
Xylenes, Total	ND	0.094		mg/Kg	1	10/11/2021 9:08:00 PM	63161
Surr: 4-Bromofluorobenzene	76.9	70-130		%Rec	1	10/11/2021 9:08:00 PM	63161

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

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

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2110374

12-Oct-21

**Client:** EOG  
**Project:** Mallard HM Fee Battery

Sample ID: <b>MB-63179</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63179</b>	RunNo: <b>81936</b>								
Prep Date: <b>10/10/2021</b>	Analysis Date: <b>10/10/2021</b>	SeqNo: <b>2900275</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-63179</b>	SampType: <b>ics</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63179</b>	RunNo: <b>81936</b>								
Prep Date: <b>10/10/2021</b>	Analysis Date: <b>10/10/2021</b>	SeqNo: <b>2900276</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.2	90	110			

**Qualifiers:**

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

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2110374

12-Oct-21

**Client:** EOG  
**Project:** Mallard HM Fee Battery

Sample ID: <b>MB-63164</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63164</b>	RunNo: <b>81939</b>								
Prep Date: <b>10/8/2021</b>	Analysis Date: <b>10/11/2021</b>	SeqNo: <b>2900398</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.5		10.00		84.9	70	130			

Sample ID: <b>LCS-63164</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63164</b>	RunNo: <b>81939</b>								
Prep Date: <b>10/8/2021</b>	Analysis Date: <b>10/11/2021</b>	SeqNo: <b>2900403</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	10	50.00	0	84.4	68.9	135			
Surr: DNOP	4.4		5.000		87.3	70	130			

**Qualifiers:**

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

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2110374

12-Oct-21

**Client:** EOG  
**Project:** Mallard HM Fee Battery

Sample ID: <b>mb-63161</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63161</b>	RunNo: <b>81954</b>								
Prep Date: <b>10/8/2021</b>	Analysis Date: <b>10/11/2021</b>	SeqNo: <b>2901240</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	990		1000		98.6	70	130			

Sample ID: <b>ics-63161</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63161</b>	RunNo: <b>81954</b>								
Prep Date: <b>10/8/2021</b>	Analysis Date: <b>10/11/2021</b>	SeqNo: <b>2901242</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	25.00	0	110	78.6	131			
Surr: BFB	1100		1000		106	70	130			

**Qualifiers:**

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

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2110374

12-Oct-21

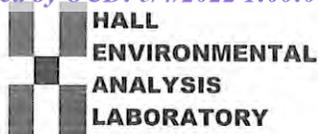
**Client:** EOG  
**Project:** Mallard HM Fee Battery

Sample ID: <b>mb-63161</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63161</b>	RunNo: <b>81954</b>								
Prep Date: <b>10/8/2021</b>	Analysis Date: <b>10/11/2021</b>	SeqNo: <b>2901288</b>	Units: <b>mg/Kg</b>							
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	0.83		1.000		82.6	70	130			

Sample ID: <b>ics-63161</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63161</b>	RunNo: <b>81954</b>								
Prep Date: <b>10/8/2021</b>	Analysis Date: <b>10/11/2021</b>	SeqNo: <b>2901290</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	106	80	120			
Toluene	1.0	0.050	1.000	0	102	80	120			
Ethylbenzene	0.99	0.050	1.000	0	99.2	80	120			
Xylenes, Total	3.0	0.10	3.000	0	101	80	120			
Surr: 4-Bromofluorobenzene	0.81		1.000		80.8	70	130			

**Qualifiers:**

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



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

Sample Log-In Check List

Client Name: EOG Work Order Number: 2110374 RcptNo: 1

Received By: Cheyenne Cason 10/7/2021 7:45:00 AM

Completed By: Sean Livingston 10/7/2021 11:08:51 AM

Reviewed By: KPA 10/07/21

Handwritten signatures: Cason, S. Livingston

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [ ] Not Present [ ]
2. How was the sample delivered? Courier

Log In

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

# of preserved bottles checked for pH: (<2 or >12 unless noted) Adjusted? Checked by: TMC 10/7/21

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [ ] No [ ] NA [checked]

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

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 2.2, Good, [ ], [ ], [ ]

### Chain-of-Custody Record

Client: EOG

Mailing Address: \_\_\_\_\_

Phone #: \_\_\_\_\_

email or Fax#: \_\_\_\_\_

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

Accreditation:  Az Compliance  NELAC  Other  EDD (Type) \_\_\_\_\_

Turn-Around Time: 5 Day

Standard  Rush

Project Name: Mallard HM Fee Battery

Project #: 21E-03278

Project Manager: Dennis Williams

Sampler: MSP

On Ice:  Yes  No

# of Coolers: 1

Cooler Temp (including CP): 2.1 to 0.1 = 2.2 (°C)

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
10/4	1:30	soil	BG21-01	4	ice	2110374
10/4	1:35		BG21-01	1		001
10/4	1:40		BG21-01	2		002
10/4	1:45		BG21-01	3		003
10/4	1:50		BG21-01	4		004
10/5	12:30		BG21-01	5		005
10/5	12:35		BG21-01	6		006
10/5	12:40		BG21-01	7		007
10/5	12:45		BG21-01	8		008

Analysis Request	
BTEX / MTBE / TMBs (8021)	<input checked="" type="checkbox"/>
TPH:8015D(GRO / DRO / MRO)	<input checked="" type="checkbox"/>
8081 Pesticides/8082 PCBs	<input type="checkbox"/>
EDB (Method 504.1)	<input type="checkbox"/>
PAHs by 8310 or 8270SIMS	<input type="checkbox"/>
RCRA 8 Metals	<input checked="" type="checkbox"/>
Cl <sup>-</sup> , Br <sup>-</sup> , NO <sub>3</sub> <sup>-</sup> , NO <sub>2</sub> <sup>-</sup> , PO <sub>4</sub> <sup>3-</sup> , SO <sub>4</sub> <sup>2-</sup>	<input checked="" type="checkbox"/>
8260 (VOA)	<input type="checkbox"/>
8270 (Semi-VOA)	<input type="checkbox"/>
Total Coliform (Present/Absent)	<input type="checkbox"/>

**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Received by: [Signature] Date: 10/6/21 Time: 1130

Received by: [Signature] Date: 10/7/21 Time: 0745

Remarks: CC: M. Reppin

Diret Bill EOG



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

October 15, 2021

Chase Settle

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX

RE: Mallard HM Fee Battery

OrderNo.: 2110373

Dear Chase Settle:

Hall Environmental Analysis Laboratory received 26 sample(s) on 10/7/2021 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a white background.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

**Analytical Report**

Lab Order **2110373**

Date Reported: **10/15/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH21-01 0'

**Project:** Mallard HM Fee Battery

**Collection Date:** 10/4/2021 9:30:00 AM

**Lab ID:** 2110373-001

**Matrix:** SOIL

**Received Date:** 10/7/2021 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	6200	300		mg/Kg	100	10/11/2021 10:04:45 PM	63177
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	340	9.8		mg/Kg	10	10/11/2021 10:49:18 PM	63159
Motor Oil Range Organics (MRO)	830	49		mg/Kg	10	10/11/2021 10:49:18 PM	63159
Surr: DNOP	0	70-130	S	%Rec	10	10/11/2021 10:49:18 PM	63159
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/11/2021 12:56:00 PM	63137
Surr: BFB	84.4	70-130		%Rec	1	10/11/2021 12:56:00 PM	63137
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	10/11/2021 12:56:00 PM	63137
Toluene	ND	0.050		mg/Kg	1	10/11/2021 12:56:00 PM	63137
Ethylbenzene	ND	0.050		mg/Kg	1	10/11/2021 12:56:00 PM	63137
Xylenes, Total	ND	0.099		mg/Kg	1	10/11/2021 12:56:00 PM	63137
Surr: 4-Bromofluorobenzene	78.1	70-130		%Rec	1	10/11/2021 12:56:00 PM	63137

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

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

**Analytical Report**

Lab Order **2110373**

Date Reported: **10/15/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH21-01 2'

**Project:** Mallard HM Fee Battery

**Collection Date:** 10/4/2021 9:40:00 AM

**Lab ID:** 2110373-002

**Matrix:** SOIL

**Received Date:** 10/7/2021 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	4700	150		mg/Kg	50	10/11/2021 10:17:10 PM	63177
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	2600	9.5		mg/Kg	100	10/11/2021 11:00:28 PM	63159
Motor Oil Range Organics (MRO)	5600	47		mg/Kg	100	10/11/2021 11:00:28 PM	63159
Surr: DNOP	0	70-130	S	%Rec	100	10/11/2021 11:00:28 PM	63159
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	10/11/2021 9:25:27 AM	63142
Surr: BFB	87.4	70-130		%Rec	1	10/11/2021 9:25:27 AM	63142
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.023		mg/Kg	1	10/11/2021 9:25:27 AM	63142
Toluene	ND	0.046		mg/Kg	1	10/11/2021 9:25:27 AM	63142
Ethylbenzene	ND	0.046		mg/Kg	1	10/11/2021 9:25:27 AM	63142
Xylenes, Total	ND	0.092		mg/Kg	1	10/11/2021 9:25:27 AM	63142
Surr: 4-Bromofluorobenzene	78.8	70-130		%Rec	1	10/11/2021 9:25:27 AM	63142

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

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

**Analytical Report**

Lab Order **2110373**

Date Reported: **10/15/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH21-01 4'

**Project:** Mallard HM Fee Battery

**Collection Date:** 10/4/2021 9:50:00 AM

**Lab ID:** 2110373-003

**Matrix:** SOIL

**Received Date:** 10/7/2021 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	2800	150		mg/Kg	50	10/11/2021 10:54:23 PM	63177
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	61	9.6		mg/Kg	1	10/12/2021 8:05:50 PM	63159
Motor Oil Range Organics (MRO)	130	48		mg/Kg	1	10/12/2021 8:05:50 PM	63159
Surr: DNOP	102	70-130		%Rec	1	10/12/2021 8:05:50 PM	63159
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/11/2021 10:35:58 AM	63142
Surr: BFB	93.7	70-130		%Rec	1	10/11/2021 10:35:58 AM	63142
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	10/11/2021 10:35:58 AM	63142
Toluene	ND	0.048		mg/Kg	1	10/11/2021 10:35:58 AM	63142
Ethylbenzene	ND	0.048		mg/Kg	1	10/11/2021 10:35:58 AM	63142
Xylenes, Total	ND	0.095		mg/Kg	1	10/11/2021 10:35:58 AM	63142
Surr: 4-Bromofluorobenzene	85.5	70-130		%Rec	1	10/11/2021 10:35:58 AM	63142

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

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

**Analytical Report**

Lab Order **2110373**

Date Reported: **10/15/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH21-02 0'

**Project:** Mallard HM Fee Battery

**Collection Date:** 10/4/2021 10:00:00 AM

**Lab ID:** 2110373-004

**Matrix:** SOIL

**Received Date:** 10/7/2021 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	ND	59		mg/Kg	20	10/10/2021 12:56:40 AM	63177
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	110	9.6		mg/Kg	1	10/13/2021 4:24:03 PM	63159
Motor Oil Range Organics (MRO)	290	48		mg/Kg	1	10/13/2021 4:24:03 PM	63159
Surr: DNOP	85.7	70-130		%Rec	1	10/13/2021 4:24:03 PM	63159
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/11/2021 11:47:17 AM	63142
Surr: BFB	96.6	70-130		%Rec	1	10/11/2021 11:47:17 AM	63142
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.023		mg/Kg	1	10/11/2021 11:47:17 AM	63142
Toluene	ND	0.047		mg/Kg	1	10/11/2021 11:47:17 AM	63142
Ethylbenzene	ND	0.047		mg/Kg	1	10/11/2021 11:47:17 AM	63142
Xylenes, Total	ND	0.094		mg/Kg	1	10/11/2021 11:47:17 AM	63142
Surr: 4-Bromofluorobenzene	86.7	70-130		%Rec	1	10/11/2021 11:47:17 AM	63142

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

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

**Analytical Report**

Lab Order **2110373**

Date Reported: **10/15/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH21-02 2'

**Project:** Mallard HM Fee Battery

**Collection Date:** 10/4/2021 10:20:00 AM

**Lab ID:** 2110373-005

**Matrix:** SOIL

**Received Date:** 10/7/2021 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	ND	60		mg/Kg	20	10/10/2021 1:33:54 AM	63177
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	310	9.4		mg/Kg	10	10/11/2021 11:33:44 PM	63159
Motor Oil Range Organics (MRO)	960	47		mg/Kg	10	10/11/2021 11:33:44 PM	63159
Surr: DNOP	0	70-130	S	%Rec	10	10/11/2021 11:33:44 PM	63159
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	10/11/2021 12:11:08 PM	63142
Surr: BFB	93.6	70-130		%Rec	1	10/11/2021 12:11:08 PM	63142
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.023		mg/Kg	1	10/11/2021 12:11:08 PM	63142
Toluene	ND	0.046		mg/Kg	1	10/11/2021 12:11:08 PM	63142
Ethylbenzene	ND	0.046		mg/Kg	1	10/11/2021 12:11:08 PM	63142
Xylenes, Total	ND	0.093		mg/Kg	1	10/11/2021 12:11:08 PM	63142
Surr: 4-Bromofluorobenzene	84.0	70-130		%Rec	1	10/11/2021 12:11:08 PM	63142

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

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

**Analytical Report**

Lab Order **2110373**

Date Reported: **10/15/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH21-03 0'

**Project:** Mallard HM Fee Battery

**Collection Date:** 10/4/2021 10:50:00 AM

**Lab ID:** 2110373-006

**Matrix:** SOIL

**Received Date:** 10/7/2021 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	ND	60		mg/Kg	20	10/10/2021 1:46:18 AM	63177
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	96	19		mg/Kg	2	10/12/2021 8:53:50 PM	63159
Motor Oil Range Organics (MRO)	250	97		mg/Kg	2	10/12/2021 8:53:50 PM	63159
Surr: DNOP	87.2	70-130		%Rec	2	10/12/2021 8:53:50 PM	63159
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/11/2021 12:34:48 PM	63142
Surr: BFB	93.5	70-130		%Rec	1	10/11/2021 12:34:48 PM	63142
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	10/11/2021 12:34:48 PM	63142
Toluene	ND	0.048		mg/Kg	1	10/11/2021 12:34:48 PM	63142
Ethylbenzene	ND	0.048		mg/Kg	1	10/11/2021 12:34:48 PM	63142
Xylenes, Total	ND	0.097		mg/Kg	1	10/11/2021 12:34:48 PM	63142
Surr: 4-Bromofluorobenzene	84.0	70-130		%Rec	1	10/11/2021 12:34:48 PM	63142

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

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

**Analytical Report**

Lab Order **2110373**

Date Reported: **10/15/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH21-04 0'

**Project:** Mallard HM Fee Battery

**Collection Date:** 10/4/2021 11:15:00 AM

**Lab ID:** 2110373-007

**Matrix:** SOIL

**Received Date:** 10/7/2021 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	5100	150		mg/Kg	50	10/11/2021 11:06:47 PM	63178
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	10/11/2021 11:55:48 PM	63159
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/11/2021 11:55:48 PM	63159
Surr: DNOP	131	70-130	S	%Rec	1	10/11/2021 11:55:48 PM	63159
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	10/11/2021 12:58:24 PM	63142
Surr: BFB	96.8	70-130		%Rec	1	10/11/2021 12:58:24 PM	63142
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.023		mg/Kg	1	10/11/2021 12:58:24 PM	63142
Toluene	ND	0.046		mg/Kg	1	10/11/2021 12:58:24 PM	63142
Ethylbenzene	ND	0.046		mg/Kg	1	10/11/2021 12:58:24 PM	63142
Xylenes, Total	ND	0.092		mg/Kg	1	10/11/2021 12:58:24 PM	63142
Surr: 4-Bromofluorobenzene	85.3	70-130		%Rec	1	10/11/2021 12:58:24 PM	63142

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

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

**Analytical Report**

Lab Order **2110373**

Date Reported: **10/15/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH21-04 2'

**Project:** Mallard HM Fee Battery

**Collection Date:** 10/4/2021 11:25:00 AM

**Lab ID:** 2110373-008

**Matrix:** SOIL

**Received Date:** 10/7/2021 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	7000	300		mg/Kg	100	10/11/2021 11:19:11 PM	63178
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	10/12/2021 12:06:49 AM	63159
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/12/2021 12:06:49 AM	63159
Surr: DNOP	102	70-130		%Rec	1	10/12/2021 12:06:49 AM	63159
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	10/11/2021 1:21:53 PM	63142
Surr: BFB	97.3	70-130		%Rec	1	10/11/2021 1:21:53 PM	63142
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.023		mg/Kg	1	10/11/2021 1:21:53 PM	63142
Toluene	ND	0.046		mg/Kg	1	10/11/2021 1:21:53 PM	63142
Ethylbenzene	ND	0.046		mg/Kg	1	10/11/2021 1:21:53 PM	63142
Xylenes, Total	ND	0.092		mg/Kg	1	10/11/2021 1:21:53 PM	63142
Surr: 4-Bromofluorobenzene	86.6	70-130		%Rec	1	10/11/2021 1:21:53 PM	63142

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

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

**Analytical Report**

Lab Order **2110373**

Date Reported: **10/15/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH21-04 4'

**Project:** Mallard HM Fee Battery

**Collection Date:** 10/4/2021 11:35:00 AM

**Lab ID:** 2110373-009

**Matrix:** SOIL

**Received Date:** 10/7/2021 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	5500	300		mg/Kg	100	10/11/2021 11:31:35 PM	63178
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/12/2021 12:17:49 AM	63159
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/12/2021 12:17:49 AM	63159
Surr: DNOP	130	70-130		%Rec	1	10/12/2021 12:17:49 AM	63159
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	10/11/2021 1:45:27 PM	63142
Surr: BFB	98.9	70-130		%Rec	1	10/11/2021 1:45:27 PM	63142
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.023		mg/Kg	1	10/11/2021 1:45:27 PM	63142
Toluene	ND	0.046		mg/Kg	1	10/11/2021 1:45:27 PM	63142
Ethylbenzene	ND	0.046		mg/Kg	1	10/11/2021 1:45:27 PM	63142
Xylenes, Total	ND	0.093		mg/Kg	1	10/11/2021 1:45:27 PM	63142
Surr: 4-Bromofluorobenzene	88.8	70-130		%Rec	1	10/11/2021 1:45:27 PM	63142

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

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

**Analytical Report**

Lab Order **2110373**

Date Reported: **10/15/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH21-04 6'

**Project:** Mallard HM Fee Battery

**Collection Date:** 10/5/2021 11:40:00 AM

**Lab ID:** 2110373-010

**Matrix:** SOIL

**Received Date:** 10/7/2021 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	4900	150		mg/Kg	50	10/11/2021 11:43:59 PM	63178
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/12/2021 12:28:48 AM	63159
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/12/2021 12:28:48 AM	63159
Surr: DNOP	102	70-130		%Rec	1	10/12/2021 12:28:48 AM	63159
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/11/2021 2:08:57 PM	63142
Surr: BFB	97.7	70-130		%Rec	1	10/11/2021 2:08:57 PM	63142
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	10/11/2021 2:08:57 PM	63142
Toluene	ND	0.049		mg/Kg	1	10/11/2021 2:08:57 PM	63142
Ethylbenzene	ND	0.049		mg/Kg	1	10/11/2021 2:08:57 PM	63142
Xylenes, Total	ND	0.098		mg/Kg	1	10/11/2021 2:08:57 PM	63142
Surr: 4-Bromofluorobenzene	86.4	70-130		%Rec	1	10/11/2021 2:08:57 PM	63142

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

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

**Analytical Report**

Lab Order **2110373**

Date Reported: **10/15/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH21-04 8'

**Project:** Mallard HM Fee Battery

**Collection Date:** 10/5/2021 11:50:00 AM

**Lab ID:** 2110373-011

**Matrix:** SOIL

**Received Date:** 10/7/2021 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	4000	150		mg/Kg	50	10/11/2021 11:56:23 PM	63178
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/12/2021 12:39:47 AM	63159
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/12/2021 12:39:47 AM	63159
Surr: DNOP	133	70-130	S	%Rec	1	10/12/2021 12:39:47 AM	63159
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	10/11/2021 2:32:33 PM	63142
Surr: BFB	99.6	70-130		%Rec	1	10/11/2021 2:32:33 PM	63142
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.023		mg/Kg	1	10/11/2021 2:32:33 PM	63142
Toluene	ND	0.046		mg/Kg	1	10/11/2021 2:32:33 PM	63142
Ethylbenzene	ND	0.046		mg/Kg	1	10/11/2021 2:32:33 PM	63142
Xylenes, Total	ND	0.092		mg/Kg	1	10/11/2021 2:32:33 PM	63142
Surr: 4-Bromofluorobenzene	89.2	70-130		%Rec	1	10/11/2021 2:32:33 PM	63142

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

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

**Analytical Report**

Lab Order **2110373**

Date Reported: **10/15/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH21-05 0'

**Project:** Mallard HM Fee Battery

**Collection Date:** 10/4/2021 11:40:00 AM

**Lab ID:** 2110373-012

**Matrix:** SOIL

**Received Date:** 10/7/2021 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	11000	600		mg/Kg	200	10/12/2021 12:08:48 AM	63178
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	10/12/2021 12:50:45 AM	63159
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/12/2021 12:50:45 AM	63159
Surr: DNOP	109	70-130		%Rec	1	10/12/2021 12:50:45 AM	63159
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/11/2021 3:43:50 PM	63142
Surr: BFB	94.4	70-130		%Rec	1	10/11/2021 3:43:50 PM	63142
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.023		mg/Kg	1	10/11/2021 3:43:50 PM	63142
Toluene	ND	0.047		mg/Kg	1	10/11/2021 3:43:50 PM	63142
Ethylbenzene	ND	0.047		mg/Kg	1	10/11/2021 3:43:50 PM	63142
Xylenes, Total	ND	0.093		mg/Kg	1	10/11/2021 3:43:50 PM	63142
Surr: 4-Bromofluorobenzene	84.5	70-130		%Rec	1	10/11/2021 3:43:50 PM	63142

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

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

**Analytical Report**

Lab Order **2110373**

Date Reported: **10/15/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH21-05 2'

**Project:** Mallard HM Fee Battery

**Collection Date:** 10/4/2021 11:50:00 AM

**Lab ID:** 2110373-013

**Matrix:** SOIL

**Received Date:** 10/7/2021 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	7900	300		mg/Kg	100	10/12/2021 12:21:12 AM	63178
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/12/2021 3:33:04 AM	63180
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/12/2021 3:33:04 AM	63180
Surr: DNOP	107	70-130		%Rec	1	10/12/2021 3:33:04 AM	63180
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/11/2021 4:07:20 PM	63142
Surr: BFB	95.7	70-130		%Rec	1	10/11/2021 4:07:20 PM	63142
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.023		mg/Kg	1	10/11/2021 4:07:20 PM	63142
Toluene	ND	0.047		mg/Kg	1	10/11/2021 4:07:20 PM	63142
Ethylbenzene	ND	0.047		mg/Kg	1	10/11/2021 4:07:20 PM	63142
Xylenes, Total	ND	0.094		mg/Kg	1	10/11/2021 4:07:20 PM	63142
Surr: 4-Bromofluorobenzene	85.7	70-130		%Rec	1	10/11/2021 4:07:20 PM	63142

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

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

**Analytical Report**

Lab Order **2110373**

Date Reported: **10/15/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH21-05 4'

**Project:** Mallard HM Fee Battery

**Collection Date:** 10/4/2021 12:00:00 PM

**Lab ID:** 2110373-014

**Matrix:** SOIL

**Received Date:** 10/7/2021 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	6900	300		mg/Kg	100	10/12/2021 12:33:36 AM	63178
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/12/2021 3:43:49 AM	63180
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/12/2021 3:43:49 AM	63180
Surr: DNOP	105	70-130		%Rec	1	10/12/2021 3:43:49 AM	63180
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/11/2021 4:30:50 PM	63142
Surr: BFB	99.4	70-130		%Rec	1	10/11/2021 4:30:50 PM	63142
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	10/11/2021 4:30:50 PM	63142
Toluene	ND	0.047		mg/Kg	1	10/11/2021 4:30:50 PM	63142
Ethylbenzene	ND	0.047		mg/Kg	1	10/11/2021 4:30:50 PM	63142
Xylenes, Total	ND	0.094		mg/Kg	1	10/11/2021 4:30:50 PM	63142
Surr: 4-Bromofluorobenzene	88.7	70-130		%Rec	1	10/11/2021 4:30:50 PM	63142

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

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

**Analytical Report**

Lab Order **2110373**

Date Reported: **10/15/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH21-05 6'

**Project:** Mallard HM Fee Battery

**Collection Date:** 10/5/2021 11:20:00 AM

**Lab ID:** 2110373-015

**Matrix:** SOIL

**Received Date:** 10/7/2021 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	5500	300		mg/Kg	100	10/12/2021 12:46:00 AM	63178
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/12/2021 3:54:36 AM	63180
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/12/2021 3:54:36 AM	63180
Surr: DNOP	102	70-130		%Rec	1	10/12/2021 3:54:36 AM	63180
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/11/2021 4:54:17 PM	63142
Surr: BFB	96.9	70-130		%Rec	1	10/11/2021 4:54:17 PM	63142
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	10/11/2021 4:54:17 PM	63142
Toluene	ND	0.048		mg/Kg	1	10/11/2021 4:54:17 PM	63142
Ethylbenzene	ND	0.048		mg/Kg	1	10/11/2021 4:54:17 PM	63142
Xylenes, Total	ND	0.095		mg/Kg	1	10/11/2021 4:54:17 PM	63142
Surr: 4-Bromofluorobenzene	85.8	70-130		%Rec	1	10/11/2021 4:54:17 PM	63142

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

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

**Analytical Report**

Lab Order **2110373**

Date Reported: **10/15/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH21-05 8'

**Project:** Mallard HM Fee Battery

**Collection Date:** 10/5/2021 11:30:00 AM

**Lab ID:** 2110373-016

**Matrix:** SOIL

**Received Date:** 10/7/2021 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	3700	150		mg/Kg	50	10/12/2021 1:23:13 AM	63178
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/12/2021 4:05:25 AM	63180
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/12/2021 4:05:25 AM	63180
Surr: DNOP	109	70-130		%Rec	1	10/12/2021 4:05:25 AM	63180
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	10/11/2021 5:17:47 PM	63142
Surr: BFB	96.6	70-130		%Rec	1	10/11/2021 5:17:47 PM	63142
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.023		mg/Kg	1	10/11/2021 5:17:47 PM	63142
Toluene	ND	0.046		mg/Kg	1	10/11/2021 5:17:47 PM	63142
Ethylbenzene	ND	0.046		mg/Kg	1	10/11/2021 5:17:47 PM	63142
Xylenes, Total	ND	0.092		mg/Kg	1	10/11/2021 5:17:47 PM	63142
Surr: 4-Bromofluorobenzene	85.5	70-130		%Rec	1	10/11/2021 5:17:47 PM	63142

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

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

**Analytical Report**

Lab Order **2110373**

Date Reported: **10/15/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH21-06 0'

**Project:** Mallard HM Fee Battery

**Collection Date:** 10/4/2021 12:15:00 PM

**Lab ID:** 2110373-017

**Matrix:** SOIL

**Received Date:** 10/7/2021 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	160	60		mg/Kg	20	10/10/2021 10:40:58 AM	63178
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	10/12/2021 4:16:14 AM	63180
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/12/2021 4:16:14 AM	63180
Surr: DNOP	89.4	70-130		%Rec	1	10/12/2021 4:16:14 AM	63180
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/11/2021 5:41:19 PM	63142
Surr: BFB	96.6	70-130		%Rec	1	10/11/2021 5:41:19 PM	63142
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.023		mg/Kg	1	10/11/2021 5:41:19 PM	63142
Toluene	ND	0.047		mg/Kg	1	10/11/2021 5:41:19 PM	63142
Ethylbenzene	ND	0.047		mg/Kg	1	10/11/2021 5:41:19 PM	63142
Xylenes, Total	ND	0.094		mg/Kg	1	10/11/2021 5:41:19 PM	63142
Surr: 4-Bromofluorobenzene	85.7	70-130		%Rec	1	10/11/2021 5:41:19 PM	63142

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

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

**Analytical Report**

Lab Order **2110373**

Date Reported: **10/15/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH21-06 2'

**Project:** Mallard HM Fee Battery

**Collection Date:** 10/4/2021 12:25:00 PM

**Lab ID:** 2110373-018

**Matrix:** SOIL

**Received Date:** 10/7/2021 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	3100	150		mg/Kg	50	10/12/2021 1:35:37 AM	63178
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/12/2021 4:27:05 AM	63180
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/12/2021 4:27:05 AM	63180
Surr: DNOP	126	70-130		%Rec	1	10/12/2021 4:27:05 AM	63180
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/11/2021 6:04:47 PM	63142
Surr: BFB	97.0	70-130		%Rec	1	10/11/2021 6:04:47 PM	63142
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	10/11/2021 6:04:47 PM	63142
Toluene	ND	0.050		mg/Kg	1	10/11/2021 6:04:47 PM	63142
Ethylbenzene	ND	0.050		mg/Kg	1	10/11/2021 6:04:47 PM	63142
Xylenes, Total	ND	0.099		mg/Kg	1	10/11/2021 6:04:47 PM	63142
Surr: 4-Bromofluorobenzene	86.7	70-130		%Rec	1	10/11/2021 6:04:47 PM	63142

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

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

**Analytical Report**

Lab Order **2110373**

Date Reported: **10/15/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH21-06 4'

**Project:** Mallard HM Fee Battery

**Collection Date:** 10/4/2021 12:35:00 PM

**Lab ID:** 2110373-019

**Matrix:** SOIL

**Received Date:** 10/7/2021 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	3800	150		mg/Kg	50	10/12/2021 1:48:01 AM	63178
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/12/2021 4:37:57 AM	63180
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/12/2021 4:37:57 AM	63180
Surr: DNOP	105	70-130		%Rec	1	10/12/2021 4:37:57 AM	63180
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/11/2021 6:28:14 PM	63142
Surr: BFB	97.7	70-130		%Rec	1	10/11/2021 6:28:14 PM	63142
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	10/11/2021 6:28:14 PM	63142
Toluene	ND	0.048		mg/Kg	1	10/11/2021 6:28:14 PM	63142
Ethylbenzene	ND	0.048		mg/Kg	1	10/11/2021 6:28:14 PM	63142
Xylenes, Total	ND	0.097		mg/Kg	1	10/11/2021 6:28:14 PM	63142
Surr: 4-Bromofluorobenzene	87.3	70-130		%Rec	1	10/11/2021 6:28:14 PM	63142

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

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

**Analytical Report**

Lab Order **2110373**

Date Reported: **10/15/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH21-06 6'

**Project:** Mallard HM Fee Battery

**Collection Date:** 10/5/2021 11:00:00 AM

**Lab ID:** 2110373-020

**Matrix:** SOIL

**Received Date:** 10/7/2021 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	4800	150		mg/Kg	50	10/12/2021 2:00:25 AM	63178
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/12/2021 4:48:50 AM	63180
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/12/2021 4:48:50 AM	63180
Surr: DNOP	108	70-130		%Rec	1	10/12/2021 4:48:50 AM	63180
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/11/2021 6:51:39 PM	63142
Surr: BFB	96.7	70-130		%Rec	1	10/11/2021 6:51:39 PM	63142
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.023		mg/Kg	1	10/11/2021 6:51:39 PM	63142
Toluene	ND	0.047		mg/Kg	1	10/11/2021 6:51:39 PM	63142
Ethylbenzene	ND	0.047		mg/Kg	1	10/11/2021 6:51:39 PM	63142
Xylenes, Total	ND	0.093		mg/Kg	1	10/11/2021 6:51:39 PM	63142
Surr: 4-Bromofluorobenzene	86.1	70-130		%Rec	1	10/11/2021 6:51:39 PM	63142

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

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

**Analytical Report**

Lab Order **2110373**

Date Reported: **10/15/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH21-06 8'

**Project:** Mallard HM Fee Battery

**Collection Date:** 10/5/2021 11:10:00 AM

**Lab ID:** 2110373-021

**Matrix:** SOIL

**Received Date:** 10/7/2021 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	2300	60		mg/Kg	20	10/10/2021 11:30:34 AM	63178
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/12/2021 4:59:53 AM	63180
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/12/2021 4:59:53 AM	63180
Surr: DNOP	108	70-130		%Rec	1	10/12/2021 4:59:53 AM	63180
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	10/11/2021 7:15:15 PM	63142
Surr: BFB	95.2	70-130		%Rec	1	10/11/2021 7:15:15 PM	63142
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.023		mg/Kg	1	10/11/2021 7:15:15 PM	63142
Toluene	ND	0.046		mg/Kg	1	10/11/2021 7:15:15 PM	63142
Ethylbenzene	ND	0.046		mg/Kg	1	10/11/2021 7:15:15 PM	63142
Xylenes, Total	ND	0.093		mg/Kg	1	10/11/2021 7:15:15 PM	63142
Surr: 4-Bromofluorobenzene	85.0	70-130		%Rec	1	10/11/2021 7:15:15 PM	63142

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

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

**Analytical Report**

Lab Order **2110373**

Date Reported: **10/15/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH21-07 0'

**Project:** Mallard HM Fee Battery

**Collection Date:** 10/4/2021 12:40:00 PM

**Lab ID:** 2110373-022

**Matrix:** SOIL

**Received Date:** 10/7/2021 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	100	61		mg/Kg	20	10/10/2021 11:42:58 AM	63178
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	10/11/2021 9:40:21 AM	63164
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/11/2021 9:40:21 AM	63164
Surr: DNOP	81.7	70-130		%Rec	1	10/11/2021 9:40:21 AM	63164
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/11/2021 2:55:00 PM	63161
Surr: BFB	94.6	70-130		%Rec	1	10/11/2021 2:55:00 PM	63161
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	10/11/2021 2:55:00 PM	63161
Toluene	ND	0.047		mg/Kg	1	10/11/2021 2:55:00 PM	63161
Ethylbenzene	ND	0.047		mg/Kg	1	10/11/2021 2:55:00 PM	63161
Xylenes, Total	ND	0.094		mg/Kg	1	10/11/2021 2:55:00 PM	63161
Surr: 4-Bromofluorobenzene	86.2	70-130		%Rec	1	10/11/2021 2:55:00 PM	63161

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

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

**Analytical Report**

Lab Order **2110373**

Date Reported: **10/15/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH21-07 2'

**Project:** Mallard HM Fee Battery

**Collection Date:** 10/4/2021 12:50:00 PM

**Lab ID:** 2110373-023

**Matrix:** SOIL

**Received Date:** 10/7/2021 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	2400	150		mg/Kg	50	10/12/2021 2:12:49 AM	63178
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	10/11/2021 10:39:33 AM	63164
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/11/2021 10:39:33 AM	63164
Surr: DNOP	88.1	70-130		%Rec	1	10/11/2021 10:39:33 AM	63164
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/11/2021 3:53:00 PM	63161
Surr: BFB	90.6	70-130		%Rec	1	10/11/2021 3:53:00 PM	63161
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	10/11/2021 3:53:00 PM	63161
Toluene	ND	0.050		mg/Kg	1	10/11/2021 3:53:00 PM	63161
Ethylbenzene	ND	0.050		mg/Kg	1	10/11/2021 3:53:00 PM	63161
Xylenes, Total	ND	0.10		mg/Kg	1	10/11/2021 3:53:00 PM	63161
Surr: 4-Bromofluorobenzene	76.4	70-130		%Rec	1	10/11/2021 3:53:00 PM	63161

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

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

**Analytical Report**

Lab Order **2110373**

Date Reported: **10/15/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH21-07 4'

**Project:** Mallard HM Fee Battery

**Collection Date:** 10/4/2021 1:00:00 PM

**Lab ID:** 2110373-024

**Matrix:** SOIL

**Received Date:** 10/7/2021 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	2700	150		mg/Kg	50	10/12/2021 2:25:13 AM	63178
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/11/2021 10:50:51 AM	63164
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/11/2021 10:50:51 AM	63164
Surr: DNOP	84.8	70-130		%Rec	1	10/11/2021 10:50:51 AM	63164
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/11/2021 4:52:00 PM	63161
Surr: BFB	90.4	70-130		%Rec	1	10/11/2021 4:52:00 PM	63161
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	10/11/2021 4:52:00 PM	63161
Toluene	ND	0.050		mg/Kg	1	10/11/2021 4:52:00 PM	63161
Ethylbenzene	ND	0.050		mg/Kg	1	10/11/2021 4:52:00 PM	63161
Xylenes, Total	ND	0.10		mg/Kg	1	10/11/2021 4:52:00 PM	63161
Surr: 4-Bromofluorobenzene	76.5	70-130		%Rec	1	10/11/2021 4:52:00 PM	63161

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

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

**Analytical Report**

Lab Order **2110373**

Date Reported: **10/15/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH21-07 6'

**Project:** Mallard HM Fee Battery

**Collection Date:** 10/5/2021 10:35:00 AM

**Lab ID:** 2110373-025

**Matrix:** SOIL

**Received Date:** 10/7/2021 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	4800	300		mg/Kg	100	10/12/2021 2:37:38 AM	63178
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/11/2021 11:02:14 AM	63164
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/11/2021 11:02:14 AM	63164
Surr: DNOP	85.8	70-130		%Rec	1	10/11/2021 11:02:14 AM	63164
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/11/2021 5:12:00 PM	63161
Surr: BFB	90.6	70-130		%Rec	1	10/11/2021 5:12:00 PM	63161
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	10/11/2021 5:12:00 PM	63161
Toluene	ND	0.049		mg/Kg	1	10/11/2021 5:12:00 PM	63161
Ethylbenzene	ND	0.049		mg/Kg	1	10/11/2021 5:12:00 PM	63161
Xylenes, Total	ND	0.098		mg/Kg	1	10/11/2021 5:12:00 PM	63161
Surr: 4-Bromofluorobenzene	83.3	70-130		%Rec	1	10/11/2021 5:12:00 PM	63161

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

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

**Analytical Report**

Lab Order **2110373**

Date Reported: **10/15/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH21-07 8'

**Project:** Mallard HM Fee Battery

**Collection Date:** 10/5/2021 10:50:00 AM

**Lab ID:** 2110373-026

**Matrix:** SOIL

**Received Date:** 10/7/2021 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	1500	60		mg/Kg	20	10/10/2021 12:57:24 PM	63178
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	10/11/2021 11:13:40 AM	63164
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	10/11/2021 11:13:40 AM	63164
Surr: DNOP	85.8	70-130		%Rec	1	10/11/2021 11:13:40 AM	63164
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/11/2021 5:32:00 PM	63161
Surr: BFB	90.1	70-130		%Rec	1	10/11/2021 5:32:00 PM	63161
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	10/11/2021 5:32:00 PM	63161
Toluene	ND	0.049		mg/Kg	1	10/11/2021 5:32:00 PM	63161
Ethylbenzene	ND	0.049		mg/Kg	1	10/11/2021 5:32:00 PM	63161
Xylenes, Total	ND	0.098		mg/Kg	1	10/11/2021 5:32:00 PM	63161
Surr: 4-Bromofluorobenzene	83.7	70-130		%Rec	1	10/11/2021 5:32:00 PM	63161

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

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

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2110373

15-Oct-21

**Client:** EOG  
**Project:** Mallard HM Fee Battery

Sample ID: <b>MB-63177</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63177</b>	RunNo: <b>81925</b>								
Prep Date: <b>10/9/2021</b>	Analysis Date: <b>10/9/2021</b>	SeqNo: <b>2899623</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-63177</b>	SampType: <b>ics</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63177</b>	RunNo: <b>81925</b>								
Prep Date: <b>10/9/2021</b>	Analysis Date: <b>10/9/2021</b>	SeqNo: <b>2899624</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.4	90	110			

Sample ID: <b>MB-63178</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63178</b>	RunNo: <b>81925</b>								
Prep Date: <b>10/9/2021</b>	Analysis Date: <b>10/10/2021</b>	SeqNo: <b>2899655</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-63178</b>	SampType: <b>ics</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63178</b>	RunNo: <b>81925</b>								
Prep Date: <b>10/9/2021</b>	Analysis Date: <b>10/10/2021</b>	SeqNo: <b>2899656</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.1	90	110			

**Qualifiers:**

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2110373

15-Oct-21

**Client:** EOG  
**Project:** Mallard HM Fee Battery

Sample ID: <b>MB-63164</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63164</b>	RunNo: <b>81939</b>								
Prep Date: <b>10/8/2021</b>	Analysis Date: <b>10/11/2021</b>	SeqNo: <b>2900398</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.5		10.00		84.9	70	130			

Sample ID: <b>LCS-63164</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63164</b>	RunNo: <b>81939</b>								
Prep Date: <b>10/8/2021</b>	Analysis Date: <b>10/11/2021</b>	SeqNo: <b>2900403</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	10	50.00	0	84.4	68.9	135			
Surr: DNOP	4.4		5.000		87.3	70	130			

Sample ID: <b>LCS-63159</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63159</b>	RunNo: <b>81947</b>								
Prep Date: <b>10/8/2021</b>	Analysis Date: <b>10/11/2021</b>	SeqNo: <b>2901931</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	53	10	50.00	0	106	68.9	135			
Surr: DNOP	5.5		5.000		111	70	130			

Sample ID: <b>MB-63159</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63159</b>	RunNo: <b>81947</b>								
Prep Date: <b>10/8/2021</b>	Analysis Date: <b>10/11/2021</b>	SeqNo: <b>2901932</b>			Units: <b>mg/Kg</b>					
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		103	70	130			

Sample ID: <b>LCS-63180</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63180</b>	RunNo: <b>81947</b>								
Prep Date: <b>10/10/2021</b>	Analysis Date: <b>10/12/2021</b>	SeqNo: <b>2901968</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52	10	50.00	0	105	68.9	135			
Surr: DNOP	5.9		5.000		117	70	130			

**Qualifiers:**

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

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2110373

15-Oct-21

**Client:** EOG  
**Project:** Mallard HM Fee Battery

Sample ID: <b>MB-63180</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63180</b>	RunNo: <b>81947</b>								
Prep Date: <b>10/10/2021</b>	Analysis Date: <b>10/12/2021</b>	SeqNo: <b>2901969</b>			Units: <b>mg/Kg</b>					
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		108	70	130			

**Qualifiers:**

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2110373

15-Oct-21

**Client:** EOG  
**Project:** Mallard HM Fee Battery

Sample ID: <b>mb-63137</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63137</b>	RunNo: <b>81915</b>								
Prep Date: <b>10/7/2021</b>	Analysis Date: <b>10/10/2021</b>	SeqNo: <b>2899486</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	920		1000		91.7	70	130			

Sample ID: <b>ics-63137</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63137</b>	RunNo: <b>81915</b>								
Prep Date: <b>10/7/2021</b>	Analysis Date: <b>10/10/2021</b>	SeqNo: <b>2899489</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	106	78.6	131			
Surr: BFB	1100		1000		108	70	130			

Sample ID: <b>mb-63142</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63142</b>	RunNo: <b>81952</b>								
Prep Date: <b>10/7/2021</b>	Analysis Date: <b>10/11/2021</b>	SeqNo: <b>2901072</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	920		1000		91.9	70	130			

Sample ID: <b>ics-63142</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63142</b>	RunNo: <b>81952</b>								
Prep Date: <b>10/7/2021</b>	Analysis Date: <b>10/11/2021</b>	SeqNo: <b>2901073</b>			Units: <b>mg/Kg</b>					
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	1000		1000		102	70	130			

Sample ID: <b>mb-63161</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63161</b>	RunNo: <b>81954</b>								
Prep Date: <b>10/8/2021</b>	Analysis Date: <b>10/11/2021</b>	SeqNo: <b>2901240</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	990		1000		98.6	70	130			

Sample ID: <b>ics-63161</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63161</b>	RunNo: <b>81954</b>								
Prep Date: <b>10/8/2021</b>	Analysis Date: <b>10/11/2021</b>	SeqNo: <b>2901242</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

**Qualifiers:**

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

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2110373

15-Oct-21

**Client:** EOG  
**Project:** Mallard HM Fee Battery

Sample ID: <b>Ics-63161</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63161</b>	RunNo: <b>81954</b>								
Prep Date: <b>10/8/2021</b>	Analysis Date: <b>10/11/2021</b>	SeqNo: <b>2901242</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	25.00	0	110	78.6	131			
Surr: BFB	1100		1000		106	70	130			

**Qualifiers:**

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2110373

15-Oct-21

**Client:** EOG  
**Project:** Mallard HM Fee Battery

Sample ID: <b>mb-63137</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63137</b>	RunNo: <b>81915</b>								
Prep Date: <b>10/7/2021</b>	Analysis Date: <b>10/10/2021</b>	SeqNo: <b>2899543</b>	Units: <b>mg/Kg</b>							
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	0.83		1.000		82.6	70	130			

Sample ID: <b>lcs-63137</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63137</b>	RunNo: <b>81915</b>								
Prep Date: <b>10/7/2021</b>	Analysis Date: <b>10/10/2021</b>	SeqNo: <b>2899545</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.025	1.000	0	88.6	80	120			
Toluene	0.91	0.050	1.000	0	90.9	80	120			
Ethylbenzene	0.88	0.050	1.000	0	87.5	80	120			
Xylenes, Total	2.7	0.10	3.000	0	89.6	80	120			
Surr: 4-Bromofluorobenzene	0.81		1.000		81.4	70	130			

Sample ID: <b>mb-63142</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63142</b>	RunNo: <b>81952</b>								
Prep Date: <b>10/7/2021</b>	Analysis Date: <b>10/11/2021</b>	SeqNo: <b>2901120</b>	Units: <b>mg/Kg</b>							
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	0.84		1.000		83.8	70	130			

Sample ID: <b>LCS-63142</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63142</b>	RunNo: <b>81952</b>								
Prep Date: <b>10/7/2021</b>	Analysis Date: <b>10/11/2021</b>	SeqNo: <b>2901121</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	101	80	120			
Toluene	1.0	0.050	1.000	0	102	80	120			
Ethylbenzene	1.0	0.050	1.000	0	101	80	120			
Xylenes, Total	3.0	0.10	3.000	0	99.1	80	120			
Surr: 4-Bromofluorobenzene	0.86		1.000		85.6	70	130			

**Qualifiers:**

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

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2110373

15-Oct-21

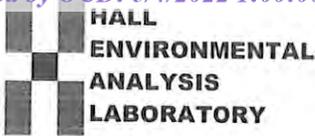
**Client:** EOG  
**Project:** Mallard HM Fee Battery

Sample ID: <b>mb-63161</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63161</b>	RunNo: <b>81954</b>								
Prep Date: <b>10/8/2021</b>	Analysis Date: <b>10/11/2021</b>	SeqNo: <b>2901288</b>	Units: <b>mg/Kg</b>							
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	0.83		1.000		82.6	70	130			

Sample ID: <b>ics-63161</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63161</b>	RunNo: <b>81954</b>								
Prep Date: <b>10/8/2021</b>	Analysis Date: <b>10/11/2021</b>	SeqNo: <b>2901290</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	106	80	120			
Toluene	1.0	0.050	1.000	0	102	80	120			
Ethylbenzene	0.99	0.050	1.000	0	99.2	80	120			
Xylenes, Total	3.0	0.10	3.000	0	101	80	120			
Surr: 4-Bromofluorobenzene	0.81		1.000		80.8	70	130			

**Qualifiers:**

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



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

Sample Log-In Check List

Client Name: EOG

Work Order Number: 2110373

RcptNo: 1

Received By: Cheyenne Cason 10/7/2021 7:45:00 AM

Completed By: Sean Livingston 10/7/2021 10:54:30 AM

Reviewed By: KPA 10/07/21

Handwritten signatures: Cason, S. Livingston

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [ ] Not Present [ ]
2. How was the sample delivered? Courier

Log In

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

# of preserved bottles checked for pH: (<2 or >12 unless noted) Adjusted? Checked by: TML 10/7/21

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [ ] No [ ] NA [checked]

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

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 2.2, Good, [ ], [ ], [ ], [ ]









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

October 20, 2021

Dennis Williams

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX

RE: Mallard HM Fee Battery

OrderNo.: 2110481

Dear Dennis Williams:

Hall Environmental Analysis Laboratory received 18 sample(s) on 10/8/2021 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

**Analytical Report**

Lab Order **2110481**

Date Reported: **10/20/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH21-03 4'

**Project:** Mallard HM Fee Battery

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

**Lab ID:** 2110481-001

**Matrix:** SOIL

**Received Date:** 10/8/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	350	60		mg/Kg	20	10/12/2021 2:29:53 PM	63203
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	740	94		mg/Kg	10	10/11/2021 2:16:33 PM	63164
Motor Oil Range Organics (MRO)	760	470		mg/Kg	10	10/11/2021 2:16:33 PM	63164
Surr: DNOP	0	70-130	S	%Rec	10	10/11/2021 2:16:33 PM	63164
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	10/11/2021 10:27:00 PM	63161
Surr: BFB	92.5	70-130		%Rec	5	10/11/2021 10:27:00 PM	63161
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.12		mg/Kg	5	10/11/2021 10:27:00 PM	63161
Toluene	ND	0.24		mg/Kg	5	10/11/2021 10:27:00 PM	63161
Ethylbenzene	ND	0.24		mg/Kg	5	10/11/2021 10:27:00 PM	63161
Xylenes, Total	ND	0.49		mg/Kg	5	10/11/2021 10:27:00 PM	63161
Surr: 4-Bromofluorobenzene	78.4	70-130		%Rec	5	10/11/2021 10:27:00 PM	63161

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

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

**Analytical Report**

Lab Order **2110481**

Date Reported: **10/20/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH21-03 8'

**Project:** Mallard HM Fee Battery

**Collection Date:** 10/6/2021 2:20:00 PM

**Lab ID:** 2110481-002

**Matrix:** SOIL

**Received Date:** 10/8/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	5800	300		mg/Kg	100	10/14/2021 3:13:24 AM	63203
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	940	84		mg/Kg	10	10/11/2021 2:54:52 PM	63164
Motor Oil Range Organics (MRO)	860	420		mg/Kg	10	10/11/2021 2:54:52 PM	63164
Surr: DNOP	0	70-130	S	%Rec	10	10/11/2021 2:54:52 PM	63164
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/11/2021 10:47:00 PM	63161
Surr: BFB	92.1	70-130		%Rec	1	10/11/2021 10:47:00 PM	63161
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	10/11/2021 10:47:00 PM	63161
Toluene	ND	0.048		mg/Kg	1	10/11/2021 10:47:00 PM	63161
Ethylbenzene	ND	0.048		mg/Kg	1	10/11/2021 10:47:00 PM	63161
Xylenes, Total	ND	0.095		mg/Kg	1	10/11/2021 10:47:00 PM	63161
Surr: 4-Bromofluorobenzene	75.5	70-130		%Rec	1	10/11/2021 10:47:00 PM	63161

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

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

**Analytical Report**

Lab Order **2110481**

Date Reported: **10/20/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH21-03 13'

**Project:** Mallard HM Fee Battery

**Collection Date:** 10/6/2021 2:45:00 PM

**Lab ID:** 2110481-003

**Matrix:** SOIL

**Received Date:** 10/8/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	1100	61		mg/Kg	20	10/12/2021 2:54:36 PM	63203
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	23	9.0		mg/Kg	1	10/11/2021 3:38:38 PM	63164
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	10/11/2021 3:38:38 PM	63164
Surr: DNOP	90.2	70-130		%Rec	1	10/11/2021 3:38:38 PM	63164
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	25		mg/Kg	5	10/11/2021 11:06:00 PM	63161
Surr: BFB	99.2	70-130		%Rec	5	10/11/2021 11:06:00 PM	63161
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.12		mg/Kg	5	10/11/2021 11:06:00 PM	63161
Toluene	ND	0.25		mg/Kg	5	10/11/2021 11:06:00 PM	63161
Ethylbenzene	ND	0.25		mg/Kg	5	10/11/2021 11:06:00 PM	63161
Xylenes, Total	ND	0.49		mg/Kg	5	10/11/2021 11:06:00 PM	63161
Surr: 4-Bromofluorobenzene	89.9	70-130		%Rec	5	10/11/2021 11:06:00 PM	63161

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

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

**Analytical Report**

Lab Order **2110481**

Date Reported: **10/20/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH21-04 10'

**Project:** Mallard HM Fee Battery

**Collection Date:** 10/6/2021 10:40:00 AM

**Lab ID:** 2110481-004

**Matrix:** SOIL

**Received Date:** 10/8/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	2300	61		mg/Kg	20	10/19/2021 4:21:58 AM	63308
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/13/2021 1:28:13 PM	63231
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/13/2021 1:28:13 PM	63231
Surr: DNOP	108	70-130		%Rec	1	10/13/2021 1:28:13 PM	63231
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/14/2021 3:54:00 PM	63223
Surr: BFB	97.6	70-130		%Rec	1	10/14/2021 3:54:00 PM	63223
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	10/14/2021 3:54:00 PM	63223
Toluene	ND	0.048		mg/Kg	1	10/14/2021 3:54:00 PM	63223
Ethylbenzene	ND	0.048		mg/Kg	1	10/14/2021 3:54:00 PM	63223
Xylenes, Total	ND	0.097		mg/Kg	1	10/14/2021 3:54:00 PM	63223
Surr: 4-Bromofluorobenzene	84.8	70-130		%Rec	1	10/14/2021 3:54:00 PM	63223

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

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

**Analytical Report**

Lab Order **2110481**

Date Reported: **10/20/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH21-04 11'

**Project:** Mallard HM Fee Battery

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

**Lab ID:** 2110481-005

**Matrix:** SOIL

**Received Date:** 10/8/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	1100	59		mg/Kg	20	10/14/2021 8:40:45 PM	63308
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	10/13/2021 2:40:19 PM	63231
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/13/2021 2:40:19 PM	63231
Surr: DNOP	112	70-130		%Rec	1	10/13/2021 2:40:19 PM	63231
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/14/2021 4:52:00 PM	63223
Surr: BFB	101	70-130		%Rec	1	10/14/2021 4:52:00 PM	63223
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	10/14/2021 4:52:00 PM	63223
Toluene	ND	0.047		mg/Kg	1	10/14/2021 4:52:00 PM	63223
Ethylbenzene	ND	0.047		mg/Kg	1	10/14/2021 4:52:00 PM	63223
Xylenes, Total	ND	0.095		mg/Kg	1	10/14/2021 4:52:00 PM	63223
Surr: 4-Bromofluorobenzene	82.2	70-130		%Rec	1	10/14/2021 4:52:00 PM	63223

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

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

**Analytical Report**

Lab Order **2110481**

Date Reported: **10/20/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH21-04 12'

**Project:** Mallard HM Fee Battery

**Collection Date:** 10/6/2021 10:50:00 AM

**Lab ID:** 2110481-006

**Matrix:** SOIL

**Received Date:** 10/8/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	680	60		mg/Kg	20	10/14/2021 8:53:10 PM	63308
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	10/13/2021 3:04:40 PM	63231
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/13/2021 3:04:40 PM	63231
Surr: DNOP	105	70-130		%Rec	1	10/13/2021 3:04:40 PM	63231
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/14/2021 5:52:00 PM	63223
Surr: BFB	102	70-130		%Rec	1	10/14/2021 5:52:00 PM	63223
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	10/14/2021 5:52:00 PM	63223
Toluene	ND	0.049		mg/Kg	1	10/14/2021 5:52:00 PM	63223
Ethylbenzene	ND	0.049		mg/Kg	1	10/14/2021 5:52:00 PM	63223
Xylenes, Total	ND	0.098		mg/Kg	1	10/14/2021 5:52:00 PM	63223
Surr: 4-Bromofluorobenzene	88.7	70-130		%Rec	1	10/14/2021 5:52:00 PM	63223

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

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

**Analytical Report**

Lab Order **2110481**

Date Reported: **10/20/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH21-05 10'

**Project:** Mallard HM Fee Battery

**Collection Date:** 10/6/2021 9:30:00 AM

**Lab ID:** 2110481-007

**Matrix:** SOIL

**Received Date:** 10/8/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	1200	60		mg/Kg	20	10/14/2021 9:05:35 PM	63308
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	10/13/2021 3:28:57 PM	63231
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/13/2021 3:28:57 PM	63231
Surr: DNOP	94.8	70-130		%Rec	1	10/13/2021 3:28:57 PM	63231
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/14/2021 6:11:00 PM	63223
Surr: BFB	101	70-130		%Rec	1	10/14/2021 6:11:00 PM	63223
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	10/14/2021 6:11:00 PM	63223
Toluene	ND	0.048		mg/Kg	1	10/14/2021 6:11:00 PM	63223
Ethylbenzene	ND	0.048		mg/Kg	1	10/14/2021 6:11:00 PM	63223
Xylenes, Total	ND	0.097		mg/Kg	1	10/14/2021 6:11:00 PM	63223
Surr: 4-Bromofluorobenzene	87.2	70-130		%Rec	1	10/14/2021 6:11:00 PM	63223

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

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

**Analytical Report**

Lab Order **2110481**

Date Reported: **10/20/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH21-05 11'

**Project:** Mallard HM Fee Battery

**Collection Date:** 10/6/2021 9:35:00 AM

**Lab ID:** 2110481-008

**Matrix:** SOIL

**Received Date:** 10/8/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	690	60		mg/Kg	20	10/14/2021 9:18:00 PM	63308
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	10/13/2021 3:53:11 PM	63231
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/13/2021 3:53:11 PM	63231
Surr: DNOP	83.4	70-130		%Rec	1	10/13/2021 3:53:11 PM	63231
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/14/2021 6:31:00 PM	63223
Surr: BFB	99.2	70-130		%Rec	1	10/14/2021 6:31:00 PM	63223
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	10/14/2021 6:31:00 PM	63223
Toluene	ND	0.047		mg/Kg	1	10/14/2021 6:31:00 PM	63223
Ethylbenzene	ND	0.047		mg/Kg	1	10/14/2021 6:31:00 PM	63223
Xylenes, Total	ND	0.094		mg/Kg	1	10/14/2021 6:31:00 PM	63223
Surr: 4-Bromofluorobenzene	84.8	70-130		%Rec	1	10/14/2021 6:31:00 PM	63223

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

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

**Analytical Report**

Lab Order **2110481**

Date Reported: **10/20/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH21-05 12'

**Project:** Mallard HM Fee Battery

**Collection Date:** 10/6/2021 9:40:00 AM

**Lab ID:** 2110481-009

**Matrix:** SOIL

**Received Date:** 10/8/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	530	60		mg/Kg	20	10/14/2021 9:55:14 PM	63308
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	10/13/2021 4:17:19 PM	63231
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	10/13/2021 4:17:19 PM	63231
Surr: DNOP	106	70-130		%Rec	1	10/13/2021 4:17:19 PM	63231
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/14/2021 6:51:00 PM	63223
Surr: BFB	105	70-130		%Rec	1	10/14/2021 6:51:00 PM	63223
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	10/14/2021 6:51:00 PM	63223
Toluene	ND	0.048		mg/Kg	1	10/14/2021 6:51:00 PM	63223
Ethylbenzene	ND	0.048		mg/Kg	1	10/14/2021 6:51:00 PM	63223
Xylenes, Total	ND	0.097		mg/Kg	1	10/14/2021 6:51:00 PM	63223
Surr: 4-Bromofluorobenzene	88.2	70-130		%Rec	1	10/14/2021 6:51:00 PM	63223

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

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

**Analytical Report**

Lab Order **2110481**

Date Reported: **10/20/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH21-08 0'

**Project:** Mallard HM Fee Battery

**Collection Date:** 10/6/2021 12:00:00 PM

**Lab ID:** 2110481-010

**Matrix:** SOIL

**Received Date:** 10/8/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	10/14/2021 10:07:39 PM	63308
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/13/2021 4:41:33 PM	63231
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/13/2021 4:41:33 PM	63231
Surr: DNOP	69.8	70-130	S	%Rec	1	10/13/2021 4:41:33 PM	63231
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/14/2021 7:10:00 PM	63223
Surr: BFB	106	70-130		%Rec	1	10/14/2021 7:10:00 PM	63223
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	10/14/2021 7:10:00 PM	63223
Toluene	ND	0.047		mg/Kg	1	10/14/2021 7:10:00 PM	63223
Ethylbenzene	ND	0.047		mg/Kg	1	10/14/2021 7:10:00 PM	63223
Xylenes, Total	ND	0.095		mg/Kg	1	10/14/2021 7:10:00 PM	63223
Surr: 4-Bromofluorobenzene	81.4	70-130		%Rec	1	10/14/2021 7:10:00 PM	63223

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

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

**Analytical Report**

Lab Order **2110481**

Date Reported: **10/20/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH21-08 2'

**Project:** Mallard HM Fee Battery

**Collection Date:** 10/6/2021 12:10:00 PM

**Lab ID:** 2110481-011

**Matrix:** SOIL

**Received Date:** 10/8/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	410	60		mg/Kg	20	10/14/2021 10:20:04 PM	63308
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/13/2021 5:05:44 PM	63231
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/13/2021 5:05:44 PM	63231
Surr: DNOP	62.1	70-130	S	%Rec	1	10/13/2021 5:05:44 PM	63231
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/14/2021 7:30:00 PM	63223
Surr: BFB	102	70-130		%Rec	1	10/14/2021 7:30:00 PM	63223
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.023		mg/Kg	1	10/14/2021 7:30:00 PM	63223
Toluene	ND	0.047		mg/Kg	1	10/14/2021 7:30:00 PM	63223
Ethylbenzene	ND	0.047		mg/Kg	1	10/14/2021 7:30:00 PM	63223
Xylenes, Total	ND	0.094		mg/Kg	1	10/14/2021 7:30:00 PM	63223
Surr: 4-Bromofluorobenzene	87.6	70-130		%Rec	1	10/14/2021 7:30:00 PM	63223

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

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

**Analytical Report**

Lab Order **2110481**

Date Reported: **10/20/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH21-08 3'

**Project:** Mallard HM Fee Battery

**Collection Date:** 10/6/2021 12:15:00 PM

**Lab ID:** 2110481-012

**Matrix:** SOIL

**Received Date:** 10/8/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	820	60		mg/Kg	20	10/14/2021 10:32:29 PM	63308
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	10/13/2021 5:30:07 PM	63231
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/13/2021 5:30:07 PM	63231
Surr: DNOP	74.6	70-130		%Rec	1	10/13/2021 5:30:07 PM	63231
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/14/2021 7:49:00 PM	63223
Surr: BFB	103	70-130		%Rec	1	10/14/2021 7:49:00 PM	63223
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	10/14/2021 7:49:00 PM	63223
Toluene	ND	0.050		mg/Kg	1	10/14/2021 7:49:00 PM	63223
Ethylbenzene	ND	0.050		mg/Kg	1	10/14/2021 7:49:00 PM	63223
Xylenes, Total	ND	0.099		mg/Kg	1	10/14/2021 7:49:00 PM	63223
Surr: 4-Bromofluorobenzene	89.6	70-130		%Rec	1	10/14/2021 7:49:00 PM	63223

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

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

**Analytical Report**

Lab Order **2110481**

Date Reported: **10/20/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH21-08 4'

**Project:** Mallard HM Fee Battery

**Collection Date:** 10/6/2021 12:20:00 PM

**Lab ID:** 2110481-013

**Matrix:** SOIL

**Received Date:** 10/8/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	620	60		mg/Kg	20	10/14/2021 10:44:54 PM	63308
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/13/2021 5:54:25 PM	63231
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/13/2021 5:54:25 PM	63231
Surr: DNOP	65.3	70-130	S	%Rec	1	10/13/2021 5:54:25 PM	63231
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/14/2021 8:48:00 PM	63223
Surr: BFB	100	70-130		%Rec	1	10/14/2021 8:48:00 PM	63223
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.023		mg/Kg	1	10/14/2021 8:48:00 PM	63223
Toluene	ND	0.047		mg/Kg	1	10/14/2021 8:48:00 PM	63223
Ethylbenzene	ND	0.047		mg/Kg	1	10/14/2021 8:48:00 PM	63223
Xylenes, Total	ND	0.094		mg/Kg	1	10/14/2021 8:48:00 PM	63223
Surr: 4-Bromofluorobenzene	86.5	70-130		%Rec	1	10/14/2021 8:48:00 PM	63223

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

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

**Analytical Report**

Lab Order **2110481**

Date Reported: **10/20/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH21-08 5'

**Project:** Mallard HM Fee Battery

**Collection Date:** 10/6/2021 12:25:00 PM

**Lab ID:** 2110481-014

**Matrix:** SOIL

**Received Date:** 10/8/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	130	60		mg/Kg	20	10/14/2021 10:57:18 PM	63308
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	10/13/2021 6:43:09 PM	63231
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	10/13/2021 6:43:09 PM	63231
Surr: DNOP	64.6	70-130	S	%Rec	1	10/13/2021 6:43:09 PM	63231
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/14/2021 9:08:00 PM	63223
Surr: BFB	102	70-130		%Rec	1	10/14/2021 9:08:00 PM	63223
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	10/14/2021 9:08:00 PM	63223
Toluene	ND	0.050		mg/Kg	1	10/14/2021 9:08:00 PM	63223
Ethylbenzene	ND	0.050		mg/Kg	1	10/14/2021 9:08:00 PM	63223
Xylenes, Total	ND	0.099		mg/Kg	1	10/14/2021 9:08:00 PM	63223
Surr: 4-Bromofluorobenzene	90.1	70-130		%Rec	1	10/14/2021 9:08:00 PM	63223

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

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

**Analytical Report**

Lab Order **2110481**

Date Reported: **10/20/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH21-09 0'

**Project:** Mallard HM Fee Battery

**Collection Date:** 10/6/2021 4:00:00 PM

**Lab ID:** 2110481-015

**Matrix:** SOIL

**Received Date:** 10/8/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	14000	600		mg/Kg	200	10/15/2021 7:48:44 AM	63308
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	4600	480		mg/Kg	50	10/13/2021 7:08:01 PM	63231
Motor Oil Range Organics (MRO)	3200	2400		mg/Kg	50	10/13/2021 7:08:01 PM	63231
Surr: DNOP	0	70-130	S	%Rec	50	10/13/2021 7:08:01 PM	63231
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/14/2021 9:28:00 PM	63223
Surr: BFB	105	70-130		%Rec	1	10/14/2021 9:28:00 PM	63223
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.023		mg/Kg	1	10/14/2021 9:28:00 PM	63223
Toluene	ND	0.047		mg/Kg	1	10/14/2021 9:28:00 PM	63223
Ethylbenzene	ND	0.047		mg/Kg	1	10/14/2021 9:28:00 PM	63223
Xylenes, Total	ND	0.093		mg/Kg	1	10/14/2021 9:28:00 PM	63223
Surr: 4-Bromofluorobenzene	89.5	70-130		%Rec	1	10/14/2021 9:28:00 PM	63223

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

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

**Analytical Report**

Lab Order **2110481**

Date Reported: **10/20/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH21-09 4'

**Project:** Mallard HM Fee Battery

**Collection Date:** 10/6/2021 4:20:00 PM

**Lab ID:** 2110481-016

**Matrix:** SOIL

**Received Date:** 10/8/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	8300	300		mg/Kg	100	10/15/2021 8:01:09 AM	63308
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	10/13/2021 7:32:42 PM	63231
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/13/2021 7:32:42 PM	63231
Surr: DNOP	90.8	70-130		%Rec	1	10/13/2021 7:32:42 PM	63231
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/14/2021 9:47:00 PM	63223
Surr: BFB	103	70-130		%Rec	1	10/14/2021 9:47:00 PM	63223
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	10/14/2021 9:47:00 PM	63223
Toluene	ND	0.047		mg/Kg	1	10/14/2021 9:47:00 PM	63223
Ethylbenzene	ND	0.047		mg/Kg	1	10/14/2021 9:47:00 PM	63223
Xylenes, Total	ND	0.095		mg/Kg	1	10/14/2021 9:47:00 PM	63223
Surr: 4-Bromofluorobenzene	86.7	70-130		%Rec	1	10/14/2021 9:47:00 PM	63223

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

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

**Analytical Report**

Lab Order **2110481**

Date Reported: **10/20/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH21-09 8'

**Project:** Mallard HM Fee Battery

**Collection Date:** 10/6/2021 4:40:00 PM

**Lab ID:** 2110481-017

**Matrix:** SOIL

**Received Date:** 10/8/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	2000	150		mg/Kg	50	10/15/2021 8:13:34 AM	63308
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	250	9.5		mg/Kg	1	10/15/2021 11:50:51 AM	63231
Motor Oil Range Organics (MRO)	230	47		mg/Kg	1	10/15/2021 11:50:51 AM	63231
Surr: DNOP	102	70-130		%Rec	1	10/15/2021 11:50:51 AM	63231
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/14/2021 10:07:00 PM	63223
Surr: BFB	104	70-130		%Rec	1	10/14/2021 10:07:00 PM	63223
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	10/14/2021 10:07:00 PM	63223
Toluene	ND	0.047		mg/Kg	1	10/14/2021 10:07:00 PM	63223
Ethylbenzene	ND	0.047		mg/Kg	1	10/14/2021 10:07:00 PM	63223
Xylenes, Total	ND	0.095		mg/Kg	1	10/14/2021 10:07:00 PM	63223
Surr: 4-Bromofluorobenzene	89.1	70-130		%Rec	1	10/14/2021 10:07:00 PM	63223

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

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

**Analytical Report**

Lab Order **2110481**

Date Reported: **10/20/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH21-09 13'

**Project:** Mallard HM Fee Battery

**Collection Date:** 10/6/2021 5:05:00 PM

**Lab ID:** 2110481-018

**Matrix:** SOIL

**Received Date:** 10/8/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	6600	300		mg/Kg	100	10/15/2021 8:25:59 AM	63308
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	1100	100		mg/Kg	10	10/15/2021 10:32:42 AM	63231
Motor Oil Range Organics (MRO)	1000	500		mg/Kg	10	10/15/2021 10:32:42 AM	63231
Surr: DNOP	0	70-130	S	%Rec	10	10/15/2021 10:32:42 AM	63231
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/14/2021 10:27:00 PM	63223
Surr: BFB	104	70-130		%Rec	1	10/14/2021 10:27:00 PM	63223
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.023		mg/Kg	1	10/14/2021 10:27:00 PM	63223
Toluene	ND	0.047		mg/Kg	1	10/14/2021 10:27:00 PM	63223
Ethylbenzene	ND	0.047		mg/Kg	1	10/14/2021 10:27:00 PM	63223
Xylenes, Total	ND	0.094		mg/Kg	1	10/14/2021 10:27:00 PM	63223
Surr: 4-Bromofluorobenzene	90.4	70-130		%Rec	1	10/14/2021 10:27:00 PM	63223

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

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2110481

20-Oct-21

**Client:** EOG  
**Project:** Mallard HM Fee Battery

Sample ID: <b>MB-63203</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63203</b>	RunNo: <b>81980</b>								
Prep Date: <b>10/11/2021</b>	Analysis Date: <b>10/12/2021</b>	SeqNo: <b>2903835</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-63203</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63203</b>	RunNo: <b>81980</b>								
Prep Date: <b>10/11/2021</b>	Analysis Date: <b>10/12/2021</b>	SeqNo: <b>2903836</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.3	90	110			

Sample ID: <b>MB-63308</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63308</b>	RunNo: <b>82066</b>								
Prep Date: <b>10/14/2021</b>	Analysis Date: <b>10/14/2021</b>	SeqNo: <b>2906372</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-63308</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63308</b>	RunNo: <b>82066</b>								
Prep Date: <b>10/14/2021</b>	Analysis Date: <b>10/14/2021</b>	SeqNo: <b>2906373</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.5	90	110			

**Qualifiers:**

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2110481

20-Oct-21

**Client:** EOG  
**Project:** Mallard HM Fee Battery

Sample ID: <b>MB-63164</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63164</b>	RunNo: <b>81939</b>								
Prep Date: <b>10/8/2021</b>	Analysis Date: <b>10/11/2021</b>	SeqNo: <b>2900398</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.5		10.00		84.9	70	130			

Sample ID: <b>LCS-63164</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63164</b>	RunNo: <b>81939</b>								
Prep Date: <b>10/8/2021</b>	Analysis Date: <b>10/11/2021</b>	SeqNo: <b>2900403</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	10	50.00	0	84.4	68.9	135			
Surr: DNOP	4.4		5.000		87.3	70	130			

Sample ID: <b>LCS-63231</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63231</b>	RunNo: <b>82029</b>								
Prep Date: <b>10/12/2021</b>	Analysis Date: <b>10/13/2021</b>	SeqNo: <b>2904732</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	58	10	50.00	0	115	68.9	135			
Surr: DNOP	5.2		5.000		103	70	130			

Sample ID: <b>MB-63231</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63231</b>	RunNo: <b>82029</b>								
Prep Date: <b>10/12/2021</b>	Analysis Date: <b>10/13/2021</b>	SeqNo: <b>2904734</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.9		10.00		99.3	70	130			

Sample ID: <b>LCS-63288</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63288</b>	RunNo: <b>82083</b>								
Prep Date: <b>10/14/2021</b>	Analysis Date: <b>10/15/2021</b>	SeqNo: <b>2907358</b>			Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	6.3		5.000		126	70	130			

**Qualifiers:**

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

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2110481

20-Oct-21

**Client:** EOG  
**Project:** Mallard HM Fee Battery

Sample ID: <b>MB-63288</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63288</b>	RunNo: <b>82083</b>								
Prep Date: <b>10/14/2021</b>	Analysis Date: <b>10/15/2021</b>	SeqNo: <b>2907359</b>	Units: <b>%Rec</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10		10.00		101	70	130			

Sample ID: <b>LCS-63319</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63319</b>	RunNo: <b>82083</b>								
Prep Date: <b>10/14/2021</b>	Analysis Date: <b>10/15/2021</b>	SeqNo: <b>2909090</b>	Units: <b>%Rec</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.8		5.000		115	70	130			

Sample ID: <b>MB-63319</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63319</b>	RunNo: <b>82083</b>								
Prep Date: <b>10/14/2021</b>	Analysis Date: <b>10/15/2021</b>	SeqNo: <b>2909091</b>	Units: <b>%Rec</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	12		10.00		119	70	130			

**Qualifiers:**

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2110481

20-Oct-21

**Client:** EOG  
**Project:** Mallard HM Fee Battery

Sample ID: <b>mb-63161</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63161</b>	RunNo: <b>81954</b>								
Prep Date: <b>10/8/2021</b>	Analysis Date: <b>10/11/2021</b>	SeqNo: <b>2901240</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	990		1000		98.6	70	130			

Sample ID: <b>ics-63161</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63161</b>	RunNo: <b>81954</b>								
Prep Date: <b>10/8/2021</b>	Analysis Date: <b>10/11/2021</b>	SeqNo: <b>2901242</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	25.00	0	110	78.6	131			
Surr: BFB	1100		1000		106	70	130			

Sample ID: <b>mb-63223</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63223</b>	RunNo: <b>82053</b>								
Prep Date: <b>10/12/2021</b>	Analysis Date: <b>10/14/2021</b>	SeqNo: <b>2906479</b>	Units: <b>mg/Kg</b>							
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		105	70	130			

Sample ID: <b>ics-63223</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63223</b>	RunNo: <b>82053</b>								
Prep Date: <b>10/12/2021</b>	Analysis Date: <b>10/14/2021</b>	SeqNo: <b>2906481</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	31	5.0	25.00	0	125	78.6	131			
Surr: BFB	1200		1000		116	70	130			

**Qualifiers:**

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2110481

20-Oct-21

**Client:** EOG  
**Project:** Mallard HM Fee Battery

Sample ID: <b>mb-63161</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63161</b>	RunNo: <b>81954</b>								
Prep Date: <b>10/8/2021</b>	Analysis Date: <b>10/11/2021</b>	SeqNo: <b>2901288</b>	Units: <b>mg/Kg</b>							
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	0.83		1.000		82.6	70	130			

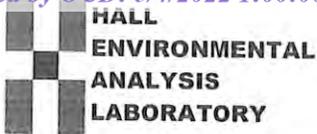
Sample ID: <b>ics-63161</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63161</b>	RunNo: <b>81954</b>								
Prep Date: <b>10/8/2021</b>	Analysis Date: <b>10/11/2021</b>	SeqNo: <b>2901290</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	106	80	120			
Toluene	1.0	0.050	1.000	0	102	80	120			
Ethylbenzene	0.99	0.050	1.000	0	99.2	80	120			
Xylenes, Total	3.0	0.10	3.000	0	101	80	120			
Surr: 4-Bromofluorobenzene	0.81		1.000		80.8	70	130			

Sample ID: <b>mb-63223</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63223</b>	RunNo: <b>82053</b>								
Prep Date: <b>10/12/2021</b>	Analysis Date: <b>10/14/2021</b>	SeqNo: <b>2906519</b>	Units: <b>mg/Kg</b>							
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			

Sample ID: <b>ics-63223</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63223</b>	RunNo: <b>82053</b>								
Prep Date: <b>10/12/2021</b>	Analysis Date: <b>10/14/2021</b>	SeqNo: <b>2906521</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	101	80	120			
Toluene	1.0	0.050	1.000	0	99.6	80	120			
Ethylbenzene	1.0	0.050	1.000	0	101	80	120			
Xylenes, Total	3.1	0.10	3.000	0	104	80	120			
Surr: 4-Bromofluorobenzene	0.88		1.000		88.1	70	130			

**Qualifiers:**

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



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

Sample Log-In Check List

Client Name: EOG

Work Order Number: 2110481

RcptNo: 1

Received By: Cheyenne Cason 10/8/2021 7:35:00 AM

Completed By: Isaiah Ortiz 10/8/2021 8:44:06 AM

Reviewed By: JR 10/8/21

Handwritten initials: Cason, I-Ort

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [ ] Not Present [ ]
2. How was the sample delivered? Courier

Log In

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

# of preserved bottles checked for pH: (<2 or >12 unless noted) Adjusted? Checked by: TMC 10/8/21

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [ ] No [ ] NA [checked]

Person Notified: \_\_\_\_\_ Date: \_\_\_\_\_
By Whom: \_\_\_\_\_ Via: [ ] eMail [ ] Phone [ ] Fax [ ] In Person
Regarding: \_\_\_\_\_
Client Instructions: \_\_\_\_\_

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 1.7, Good, Not Present, , ,

### Chain-of-Custody Record

Client: EOG

Mailing Address: C. Settle

Project Name: Mallard HMFee Battery

Turn-Around Time: 5 Day

Standard  Rush

Project #: 21E-03278

Project Manager: Dennis Williams

Sampler: MJP

On Ice:  Yes  No

# of Coolers: 1

Cooler Temp (including CF): 1.7-0=1.7 (°C)

Container Type and # 402 ice

Preservative Type ice

HEAL No. Z110481

Relinquished by: [Signature]

Relinquished by: [Signature]

Date: 10/17/11

### Analysis Request

BTEX / MTBE / TMBs (8021) ✓

TFH:8015D(GRO / DRO / MRO) ✓

8081 Pesticides/8082 PCB's

EDB (Method 504.1)

PAHs by 8310 or 8270SIMS

RCRA 8 Metals

Cl<sup>-</sup>, Br<sup>-</sup>, NO<sub>3</sub><sup>-</sup>, NO<sub>2</sub><sup>-</sup>, PO<sub>4</sub><sup>3-</sup>, SO<sub>4</sub><sup>2-</sup>

8260 (VOA)

8270 (Semi-VOA)

Total Coliform (Present/Absent)

Remarks: cc: M. Pappin

Direct bill EOG

### Chain-of-Custody Record

Client: EOG  
 Mailing Address: C. Suttle  
 Phone #: \_\_\_\_\_  
 email or Fax#: \_\_\_\_\_  
 QA/QC Package:  Standard  Level 4 (Full Validation)  
 Accreditation:  Az Compliance  Other  
 NELAC  EDD (Type) \_\_\_\_\_

Turn-Around Time: 5 Day  
 Standard  Rush  
 Project Name: Mallard HM Fe. Battery  
 Project #: 21E-03278  
 Project Manager: Dennis Williams  
 Sampler: MJP  
 On Ice:  Yes  No  
 # of Coolers: \_\_\_\_\_  
 Cooler Temp (including CF): 1.7 - 0.5 - 1.7 (°C)



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

#### Analysis Request

<input checked="" type="checkbox"/> BTEX / MTBE / TMBs (8021)	TFH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	<input checked="" type="checkbox"/> Cl <sup>-</sup> , Br <sup>-</sup> , NO <sub>3</sub> <sup>-</sup> , NO <sub>2</sub> <sup>-</sup> , PO <sub>4</sub> <sup>-</sup> , SO <sub>4</sub> <sup>-</sup>	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
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Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
10/6	12:20	Soil	BH21-08	402	ice	2110481
	12:25		BH21-08			013
	4:00		BH21-09			014
	4:20		BH21-09			015
	4:40		BH21-09			016
	5:05		BH21-09			017
						018

Relinquished by: [Signature] Date: 10/11/21 Time: 1230  
 Relinquished by: [Signature] Date: 10/18/21 Time: 0735  
 Received by: [Signature] Date: 10/11/21 Time: 1230  
 Received by: [Signature] Date: 10/18/21 Time: 0735

Remarks: cc: M. Peppin  
Direct Bill EOG



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

February 08, 2022

Monica Peppin

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX:

RE: Mallard

OrderNo.: 2201A89

Dear Monica Peppin:

Hall Environmental Analysis Laboratory received 45 sample(s) on 1/28/2022 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](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

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

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

**Analytical Report**

Lab Order **2201A89**

Date Reported: **2/8/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-16 0'

**Project:** Mallard

**Collection Date:** 1/25/2022 8:30:00 AM

**Lab ID:** 2201A89-001

**Matrix:** SOIL

**Received Date:** 1/28/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	220	60		mg/Kg	20	2/1/2022 12:48:27 AM	65299
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	2/1/2022 11:45:23 AM	65279
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/1/2022 11:45:23 AM	65279
Surr: DNOP	110	51.1-141		%Rec	1	2/1/2022 11:45:23 AM	65279
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	1/31/2022 9:09:00 PM	65266
Surr: BFB	94.2	70-130		%Rec	1	1/31/2022 9:09:00 PM	65266
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.023		mg/Kg	1	1/31/2022 9:09:00 PM	65266
Toluene	ND	0.046		mg/Kg	1	1/31/2022 9:09:00 PM	65266
Ethylbenzene	ND	0.046		mg/Kg	1	1/31/2022 9:09:00 PM	65266
Xylenes, Total	ND	0.092		mg/Kg	1	1/31/2022 9:09:00 PM	65266
Surr: 4-Bromofluorobenzene	88.1	70-130		%Rec	1	1/31/2022 9:09:00 PM	65266

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

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

**Analytical Report**

Lab Order **2201A89**

Date Reported: **2/8/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-16 3'

**Project:** Mallard

**Collection Date:** 1/25/2022 8:40:00 AM

**Lab ID:** 2201A89-002

**Matrix:** SOIL

**Received Date:** 1/28/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	ND	60		mg/Kg	20	2/1/2022 3:46:02 PM	65310
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	330	97		mg/Kg	10	2/2/2022 12:31:08 PM	65279
Motor Oil Range Organics (MRO)	1200	480		mg/Kg	10	2/2/2022 12:31:08 PM	65279
Surr: DNOP	0	51.1-141	S	%Rec	10	2/2/2022 12:31:08 PM	65279
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	1/31/2022 9:29:00 PM	65266
Surr: BFB	93.4	70-130		%Rec	1	1/31/2022 9:29:00 PM	65266
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	1/31/2022 9:29:00 PM	65266
Toluene	ND	0.050		mg/Kg	1	1/31/2022 9:29:00 PM	65266
Ethylbenzene	ND	0.050		mg/Kg	1	1/31/2022 9:29:00 PM	65266
Xylenes, Total	ND	0.099		mg/Kg	1	1/31/2022 9:29:00 PM	65266
Surr: 4-Bromofluorobenzene	86.3	70-130		%Rec	1	1/31/2022 9:29:00 PM	65266

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

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

**Analytical Report**

Lab Order **2201A89**

Date Reported: **2/8/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-16 6'

**Project:** Mallard

**Collection Date:** 1/25/2022 8:50:00 AM

**Lab ID:** 2201A89-003

**Matrix:** SOIL

**Received Date:** 1/28/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	ND	61		mg/Kg	20	2/1/2022 4:37:28 PM	65310
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	2/1/2022 12:06:41 PM	65279
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/1/2022 12:06:41 PM	65279
Surr: DNOP	89.8	51.1-141		%Rec	1	2/1/2022 12:06:41 PM	65279
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	1/31/2022 10:28:00 PM	65266
Surr: BFB	93.7	70-130		%Rec	1	1/31/2022 10:28:00 PM	65266
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	1/31/2022 10:28:00 PM	65266
Toluene	ND	0.050		mg/Kg	1	1/31/2022 10:28:00 PM	65266
Ethylbenzene	ND	0.050		mg/Kg	1	1/31/2022 10:28:00 PM	65266
Xylenes, Total	ND	0.10		mg/Kg	1	1/31/2022 10:28:00 PM	65266
Surr: 4-Bromofluorobenzene	86.2	70-130		%Rec	1	1/31/2022 10:28:00 PM	65266

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

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

## Analytical Report

Lab Order 2201A89

Date Reported: 2/8/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: BH22-17 0'

Project: Mallard

Collection Date: 1/25/2022 9:00:00 AM

Lab ID: 2201A89-004

Matrix: SOIL

Received Date: 1/28/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	ND	60		mg/Kg	20	2/1/2022 4:49:53 PM	65310
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	18	10		mg/Kg	1	2/1/2022 12:17:13 PM	65279
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/1/2022 12:17:13 PM	65279
Surr: DNOP	92.8	51.1-141		%Rec	1	2/1/2022 12:17:13 PM	65279
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	1/31/2022 10:48:00 PM	65266
Surr: BFB	93.7	70-130		%Rec	1	1/31/2022 10:48:00 PM	65266
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.023		mg/Kg	1	1/31/2022 10:48:00 PM	65266
Toluene	ND	0.046		mg/Kg	1	1/31/2022 10:48:00 PM	65266
Ethylbenzene	ND	0.046		mg/Kg	1	1/31/2022 10:48:00 PM	65266
Xylenes, Total	ND	0.091		mg/Kg	1	1/31/2022 10:48:00 PM	65266
Surr: 4-Bromofluorobenzene	86.3	70-130		%Rec	1	1/31/2022 10:48:00 PM	65266

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

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

**Analytical Report**

Lab Order **2201A89**

Date Reported: **2/8/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-17 3'

**Project:** Mallard

**Collection Date:** 1/25/2022 9:10:00 AM

**Lab ID:** 2201A89-005

**Matrix:** SOIL

**Received Date:** 1/28/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	ND	60		mg/Kg	20	2/1/2022 5:27:06 PM	65310
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	2/1/2022 12:27:49 PM	65279
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/1/2022 12:27:49 PM	65279
Surr: DNOP	119	51.1-141		%Rec	1	2/1/2022 12:27:49 PM	65279
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/31/2022 11:07:00 PM	65266
Surr: BFB	93.0	70-130		%Rec	1	1/31/2022 11:07:00 PM	65266
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	1/31/2022 11:07:00 PM	65266
Toluene	ND	0.049		mg/Kg	1	1/31/2022 11:07:00 PM	65266
Ethylbenzene	ND	0.049		mg/Kg	1	1/31/2022 11:07:00 PM	65266
Xylenes, Total	ND	0.098		mg/Kg	1	1/31/2022 11:07:00 PM	65266
Surr: 4-Bromofluorobenzene	87.9	70-130		%Rec	1	1/31/2022 11:07:00 PM	65266

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

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

**Analytical Report**

Lab Order **2201A89**

Date Reported: **2/8/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-17 6'

**Project:** Mallard

**Collection Date:** 1/25/2022 9:20:00 AM

**Lab ID:** 2201A89-006

**Matrix:** SOIL

**Received Date:** 1/28/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	ND	60		mg/Kg	20	2/1/2022 5:39:30 PM	65310
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	2/1/2022 12:38:23 PM	65279
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/1/2022 12:38:23 PM	65279
Surr: DNOP	93.4	51.1-141		%Rec	1	2/1/2022 12:38:23 PM	65279
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/31/2022 11:27:00 PM	65266
Surr: BFB	97.3	70-130		%Rec	1	1/31/2022 11:27:00 PM	65266
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	1/31/2022 11:27:00 PM	65266
Toluene	ND	0.049		mg/Kg	1	1/31/2022 11:27:00 PM	65266
Ethylbenzene	ND	0.049		mg/Kg	1	1/31/2022 11:27:00 PM	65266
Xylenes, Total	ND	0.099		mg/Kg	1	1/31/2022 11:27:00 PM	65266
Surr: 4-Bromofluorobenzene	86.5	70-130		%Rec	1	1/31/2022 11:27:00 PM	65266

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

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

**Analytical Report**

Lab Order **2201A89**

Date Reported: **2/8/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-18 0'

**Project:** Mallard

**Collection Date:** 1/25/2022 9:30:00 AM

**Lab ID:** 2201A89-007

**Matrix:** SOIL

**Received Date:** 1/28/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	ND	59		mg/Kg	20	2/1/2022 5:51:55 PM	65310
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	2/1/2022 12:49:02 PM	65279
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/1/2022 12:49:02 PM	65279
Surr: DNOP	79.5	51.1-141		%Rec	1	2/1/2022 12:49:02 PM	65279
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/31/2022 11:47:00 PM	65266
Surr: BFB	102	70-130		%Rec	1	1/31/2022 11:47:00 PM	65266
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	1/31/2022 11:47:00 PM	65266
Toluene	ND	0.048		mg/Kg	1	1/31/2022 11:47:00 PM	65266
Ethylbenzene	ND	0.048		mg/Kg	1	1/31/2022 11:47:00 PM	65266
Xylenes, Total	ND	0.096		mg/Kg	1	1/31/2022 11:47:00 PM	65266
Surr: 4-Bromofluorobenzene	94.5	70-130		%Rec	1	1/31/2022 11:47:00 PM	65266

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

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

**Analytical Report**

Lab Order **2201A89**

Date Reported: **2/8/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-18 3'

**Project:** Mallard

**Collection Date:** 1/25/2022 9:40:00 AM

**Lab ID:** 2201A89-008

**Matrix:** SOIL

**Received Date:** 1/28/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	ND	59		mg/Kg	20	2/1/2022 6:53:57 PM	65310
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	2/1/2022 12:59:46 PM	65279
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/1/2022 12:59:46 PM	65279
Surr: DNOP	99.0	51.1-141		%Rec	1	2/1/2022 12:59:46 PM	65279
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/1/2022 12:06:00 AM	65266
Surr: BFB	94.7	70-130		%Rec	1	2/1/2022 12:06:00 AM	65266
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	2/1/2022 12:06:00 AM	65266
Toluene	ND	0.048		mg/Kg	1	2/1/2022 12:06:00 AM	65266
Ethylbenzene	ND	0.048		mg/Kg	1	2/1/2022 12:06:00 AM	65266
Xylenes, Total	ND	0.097		mg/Kg	1	2/1/2022 12:06:00 AM	65266
Surr: 4-Bromofluorobenzene	90.1	70-130		%Rec	1	2/1/2022 12:06:00 AM	65266

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

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

**Analytical Report**

Lab Order **2201A89**

Date Reported: **2/8/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-18 6'

**Project:** Mallard

**Collection Date:** 1/25/2022 9:50:00 AM

**Lab ID:** 2201A89-009

**Matrix:** SOIL

**Received Date:** 1/28/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	ND	60		mg/Kg	20	2/1/2022 7:06:21 PM	65310
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	2/1/2022 1:10:28 PM	65279
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/1/2022 1:10:28 PM	65279
Surr: DNOP	89.9	51.1-141		%Rec	1	2/1/2022 1:10:28 PM	65279
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/1/2022 12:26:00 AM	65266
Surr: BFB	94.6	70-130		%Rec	1	2/1/2022 12:26:00 AM	65266
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	2/1/2022 12:26:00 AM	65266
Toluene	ND	0.048		mg/Kg	1	2/1/2022 12:26:00 AM	65266
Ethylbenzene	ND	0.048		mg/Kg	1	2/1/2022 12:26:00 AM	65266
Xylenes, Total	ND	0.096		mg/Kg	1	2/1/2022 12:26:00 AM	65266
Surr: 4-Bromofluorobenzene	89.1	70-130		%Rec	1	2/1/2022 12:26:00 AM	65266

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

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

**Analytical Report**

Lab Order **2201A89**

Date Reported: **2/8/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-19 0'

**Project:** Mallard

**Collection Date:** 1/25/2022 10:00:00 AM

**Lab ID:** 2201A89-010

**Matrix:** SOIL

**Received Date:** 1/28/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	63	60		mg/Kg	20	2/1/2022 7:18:45 PM	65310
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	2/1/2022 1:21:09 PM	65279
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/1/2022 1:21:09 PM	65279
Surr: DNOP	88.6	51.1-141		%Rec	1	2/1/2022 1:21:09 PM	65279
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/1/2022 12:46:00 AM	65266
Surr: BFB	96.9	70-130		%Rec	1	2/1/2022 12:46:00 AM	65266
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	2/1/2022 12:46:00 AM	65266
Toluene	ND	0.049		mg/Kg	1	2/1/2022 12:46:00 AM	65266
Ethylbenzene	ND	0.049		mg/Kg	1	2/1/2022 12:46:00 AM	65266
Xylenes, Total	ND	0.097		mg/Kg	1	2/1/2022 12:46:00 AM	65266
Surr: 4-Bromofluorobenzene	89.7	70-130		%Rec	1	2/1/2022 12:46:00 AM	65266

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

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

**Analytical Report**

Lab Order **2201A89**

Date Reported: **2/8/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-19 3'

**Project:** Mallard

**Collection Date:** 1/25/2022 10:10:00 AM

**Lab ID:** 2201A89-011

**Matrix:** SOIL

**Received Date:** 1/28/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	ND	60		mg/Kg	20	2/1/2022 7:31:09 PM	65310
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	2/1/2022 1:31:54 PM	65279
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/1/2022 1:31:54 PM	65279
Surr: DNOP	91.8	51.1-141		%Rec	1	2/1/2022 1:31:54 PM	65279
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/1/2022 1:05:00 AM	65266
Surr: BFB	97.2	70-130		%Rec	1	2/1/2022 1:05:00 AM	65266
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.023		mg/Kg	1	2/1/2022 1:05:00 AM	65266
Toluene	ND	0.047		mg/Kg	1	2/1/2022 1:05:00 AM	65266
Ethylbenzene	ND	0.047		mg/Kg	1	2/1/2022 1:05:00 AM	65266
Xylenes, Total	ND	0.093		mg/Kg	1	2/1/2022 1:05:00 AM	65266
Surr: 4-Bromofluorobenzene	90.0	70-130		%Rec	1	2/1/2022 1:05:00 AM	65266

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

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

**Analytical Report**

Lab Order **2201A89**

Date Reported: **2/8/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-19 6'

**Project:** Mallard

**Collection Date:** 1/25/2022 10:20:00 AM

**Lab ID:** 2201A89-012

**Matrix:** SOIL

**Received Date:** 1/28/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	ND	60		mg/Kg	20	2/1/2022 7:43:34 PM	65310
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	2/1/2022 1:42:36 PM	65279
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/1/2022 1:42:36 PM	65279
Surr: DNOP	90.1	51.1-141		%Rec	1	2/1/2022 1:42:36 PM	65279
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/1/2022 1:25:00 AM	65266
Surr: BFB	94.3	70-130		%Rec	1	2/1/2022 1:25:00 AM	65266
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	2/1/2022 1:25:00 AM	65266
Toluene	ND	0.047		mg/Kg	1	2/1/2022 1:25:00 AM	65266
Ethylbenzene	ND	0.047		mg/Kg	1	2/1/2022 1:25:00 AM	65266
Xylenes, Total	ND	0.095		mg/Kg	1	2/1/2022 1:25:00 AM	65266
Surr: 4-Bromofluorobenzene	90.9	70-130		%Rec	1	2/1/2022 1:25:00 AM	65266

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

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

**Analytical Report**

Lab Order **2201A89**

Date Reported: **2/8/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-20 0'

**Project:** Mallard

**Collection Date:** 1/25/2022 10:30:00 AM

**Lab ID:** 2201A89-013

**Matrix:** SOIL

**Received Date:** 1/28/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	1900	60		mg/Kg	20	2/1/2022 7:55:58 PM	65310
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	450	190		mg/Kg	20	2/1/2022 2:13:32 PM	65279
Motor Oil Range Organics (MRO)	1100	960		mg/Kg	20	2/1/2022 2:13:32 PM	65279
Surr: DNOP	0	51.1-141	S	%Rec	20	2/1/2022 2:13:32 PM	65279
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	2/1/2022 2:24:00 AM	65266
Surr: BFB	94.8	70-130		%Rec	1	2/1/2022 2:24:00 AM	65266
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.023		mg/Kg	1	2/1/2022 2:24:00 AM	65266
Toluene	ND	0.046		mg/Kg	1	2/1/2022 2:24:00 AM	65266
Ethylbenzene	ND	0.046		mg/Kg	1	2/1/2022 2:24:00 AM	65266
Xylenes, Total	ND	0.092		mg/Kg	1	2/1/2022 2:24:00 AM	65266
Surr: 4-Bromofluorobenzene	87.6	70-130		%Rec	1	2/1/2022 2:24:00 AM	65266

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

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

**Analytical Report**

Lab Order **2201A89**

Date Reported: **2/8/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-20 3'

**Project:** Mallard

**Collection Date:** 1/25/2022 10:40:00 AM

**Lab ID:** 2201A89-014

**Matrix:** SOIL

**Received Date:** 1/28/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	210	60		mg/Kg	20	2/1/2022 8:08:22 PM	65310
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	2/1/2022 2:24:12 PM	65279
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/1/2022 2:24:12 PM	65279
Surr: DNOP	88.2	51.1-141		%Rec	1	2/1/2022 2:24:12 PM	65279
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/1/2022 3:43:00 AM	65267
Surr: BFB	98.4	70-130		%Rec	1	2/1/2022 3:43:00 AM	65267
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	2/1/2022 3:43:00 AM	65267
Toluene	ND	0.047		mg/Kg	1	2/1/2022 3:43:00 AM	65267
Ethylbenzene	ND	0.047		mg/Kg	1	2/1/2022 3:43:00 AM	65267
Xylenes, Total	ND	0.094		mg/Kg	1	2/1/2022 3:43:00 AM	65267
Surr: 4-Bromofluorobenzene	91.5	70-130		%Rec	1	2/1/2022 3:43:00 AM	65267

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

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

**Analytical Report**

Lab Order **2201A89**

Date Reported: **2/8/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-20 6'

**Project:** Mallard

**Collection Date:** 1/25/2022 10:50:00 AM

**Lab ID:** 2201A89-015

**Matrix:** SOIL

**Received Date:** 1/28/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	230	60		mg/Kg	20	2/1/2022 8:20:46 PM	65310
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	2/2/2022 1:54:14 AM	65280
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/2/2022 1:54:14 AM	65280
Surr: DNOP	96.5	51.1-141		%Rec	1	2/2/2022 1:54:14 AM	65280
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/1/2022 4:42:00 AM	65267
Surr: BFB	94.9	70-130		%Rec	1	2/1/2022 4:42:00 AM	65267
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	2/1/2022 4:42:00 AM	65267
Toluene	ND	0.050		mg/Kg	1	2/1/2022 4:42:00 AM	65267
Ethylbenzene	ND	0.050		mg/Kg	1	2/1/2022 4:42:00 AM	65267
Xylenes, Total	ND	0.099		mg/Kg	1	2/1/2022 4:42:00 AM	65267
Surr: 4-Bromofluorobenzene	87.6	70-130		%Rec	1	2/1/2022 4:42:00 AM	65267

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

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

**Analytical Report**

Lab Order **2201A89**

Date Reported: **2/8/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-21 0'

**Project:** Mallard

**Collection Date:** 1/25/2022 11:00:00 AM

**Lab ID:** 2201A89-016

**Matrix:** SOIL

**Received Date:** 1/28/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	1600	60		mg/Kg	20	2/1/2022 8:33:12 PM	65310
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	2/2/2022 2:04:59 AM	65280
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/2/2022 2:04:59 AM	65280
Surr: DNOP	80.8	51.1-141		%Rec	1	2/2/2022 2:04:59 AM	65280
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/1/2022 5:41:00 AM	65267
Surr: BFB	99.5	70-130		%Rec	1	2/1/2022 5:41:00 AM	65267
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	2/1/2022 5:41:00 AM	65267
Toluene	ND	0.049		mg/Kg	1	2/1/2022 5:41:00 AM	65267
Ethylbenzene	ND	0.049		mg/Kg	1	2/1/2022 5:41:00 AM	65267
Xylenes, Total	ND	0.098		mg/Kg	1	2/1/2022 5:41:00 AM	65267
Surr: 4-Bromofluorobenzene	91.5	70-130		%Rec	1	2/1/2022 5:41:00 AM	65267

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

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

**Analytical Report**

Lab Order **2201A89**

Date Reported: **2/8/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-21 6'

**Project:** Mallard

**Collection Date:** 1/25/2022 11:10:00 AM

**Lab ID:** 2201A89-017

**Matrix:** SOIL

**Received Date:** 1/28/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	530	60		mg/Kg	20	2/1/2022 8:45:37 PM	65310
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	2/2/2022 2:15:42 AM	65280
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/2/2022 2:15:42 AM	65280
Surr: DNOP	91.3	51.1-141		%Rec	1	2/2/2022 2:15:42 AM	65280
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/1/2022 6:01:00 AM	65267
Surr: BFB	95.3	70-130		%Rec	1	2/1/2022 6:01:00 AM	65267
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	2/1/2022 6:01:00 AM	65267
Toluene	ND	0.050		mg/Kg	1	2/1/2022 6:01:00 AM	65267
Ethylbenzene	ND	0.050		mg/Kg	1	2/1/2022 6:01:00 AM	65267
Xylenes, Total	ND	0.10		mg/Kg	1	2/1/2022 6:01:00 AM	65267
Surr: 4-Bromofluorobenzene	90.2	70-130		%Rec	1	2/1/2022 6:01:00 AM	65267

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

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

**Analytical Report**

Lab Order **2201A89**

Date Reported: **2/8/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-21 12'

**Project:** Mallard

**Collection Date:** 1/25/2022 11:20:00 AM

**Lab ID:** 2201A89-018

**Matrix:** SOIL

**Received Date:** 1/28/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	850	60		mg/Kg	20	2/1/2022 9:22:50 PM	65310
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	2/2/2022 2:26:23 AM	65280
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/2/2022 2:26:23 AM	65280
Surr: DNOP	90.0	51.1-141		%Rec	1	2/2/2022 2:26:23 AM	65280
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	2/1/2022 6:20:00 AM	65267
Surr: BFB	101	70-130		%Rec	1	2/1/2022 6:20:00 AM	65267
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.023		mg/Kg	1	2/1/2022 6:20:00 AM	65267
Toluene	ND	0.046		mg/Kg	1	2/1/2022 6:20:00 AM	65267
Ethylbenzene	ND	0.046		mg/Kg	1	2/1/2022 6:20:00 AM	65267
Xylenes, Total	ND	0.092		mg/Kg	1	2/1/2022 6:20:00 AM	65267
Surr: 4-Bromofluorobenzene	93.9	70-130		%Rec	1	2/1/2022 6:20:00 AM	65267

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

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

**Analytical Report**

Lab Order **2201A89**

Date Reported: **2/8/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-22 0'

**Project:** Mallard

**Collection Date:** 1/25/2022 11:30:00 AM

**Lab ID:** 2201A89-019

**Matrix:** SOIL

**Received Date:** 1/28/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	2400	150		mg/Kg	50	2/2/2022 8:04:40 PM	65310
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	2/2/2022 2:37:02 AM	65280
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/2/2022 2:37:02 AM	65280
Surr: DNOP	87.1	51.1-141		%Rec	1	2/2/2022 2:37:02 AM	65280
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/1/2022 6:40:00 AM	65267
Surr: BFB	96.4	70-130		%Rec	1	2/1/2022 6:40:00 AM	65267
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	2/1/2022 6:40:00 AM	65267
Toluene	ND	0.049		mg/Kg	1	2/1/2022 6:40:00 AM	65267
Ethylbenzene	ND	0.049		mg/Kg	1	2/1/2022 6:40:00 AM	65267
Xylenes, Total	ND	0.098		mg/Kg	1	2/1/2022 6:40:00 AM	65267
Surr: 4-Bromofluorobenzene	87.2	70-130		%Rec	1	2/1/2022 6:40:00 AM	65267

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

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

**Analytical Report**

Lab Order **2201A89**

Date Reported: **2/8/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-22 6'

**Project:** Mallard

**Collection Date:** 1/25/2022 11:40:00 AM

**Lab ID:** 2201A89-020

**Matrix:** SOIL

**Received Date:** 1/28/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	1300	60		mg/Kg	20	2/1/2022 9:47:38 PM	65310
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	2/2/2022 2:47:40 AM	65280
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	2/2/2022 2:47:40 AM	65280
Surr: DNOP	92.3	51.1-141		%Rec	1	2/2/2022 2:47:40 AM	65280
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/1/2022 7:00:00 AM	65267
Surr: BFB	100	70-130		%Rec	1	2/1/2022 7:00:00 AM	65267
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	2/1/2022 7:00:00 AM	65267
Toluene	ND	0.048		mg/Kg	1	2/1/2022 7:00:00 AM	65267
Ethylbenzene	ND	0.048		mg/Kg	1	2/1/2022 7:00:00 AM	65267
Xylenes, Total	ND	0.096		mg/Kg	1	2/1/2022 7:00:00 AM	65267
Surr: 4-Bromofluorobenzene	94.1	70-130		%Rec	1	2/1/2022 7:00:00 AM	65267

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

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

**Analytical Report**

Lab Order **2201A89**

Date Reported: **2/8/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-22 12'

**Project:** Mallard

**Collection Date:** 1/25/2022 11:50:00 AM

**Lab ID:** 2201A89-021

**Matrix:** SOIL

**Received Date:** 1/28/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	1500	60		mg/Kg	20	2/2/2022 12:38:29 PM	65329
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	10	9.5		mg/Kg	1	2/2/2022 2:29:36 PM	65280
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/2/2022 2:29:36 PM	65280
Surr: DNOP	119	51.1-141		%Rec	1	2/2/2022 2:29:36 PM	65280
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/1/2022 3:04:36 AM	65267
Surr: BFB	105	70-130		%Rec	1	2/1/2022 3:04:36 AM	65267
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	2/1/2022 3:04:36 AM	65267
Toluene	ND	0.048		mg/Kg	1	2/1/2022 3:04:36 AM	65267
Ethylbenzene	ND	0.048		mg/Kg	1	2/1/2022 3:04:36 AM	65267
Xylenes, Total	ND	0.095		mg/Kg	1	2/1/2022 3:04:36 AM	65267
Surr: 4-Bromofluorobenzene	97.5	70-130		%Rec	1	2/1/2022 3:04:36 AM	65267

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

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

**Analytical Report**

Lab Order **2201A89**

Date Reported: **2/8/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-23 0'

**Project:** Mallard

**Collection Date:** 1/25/2022 12:00:00 PM

**Lab ID:** 2201A89-022

**Matrix:** SOIL

**Received Date:** 1/28/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	2000	60		mg/Kg	20	2/2/2022 1:15:31 PM	65329
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	92	9.5		mg/Kg	1	2/2/2022 2:40:23 PM	65280
Motor Oil Range Organics (MRO)	220	48		mg/Kg	1	2/2/2022 2:40:23 PM	65280
Surr: DNOP	109	51.1-141		%Rec	1	2/2/2022 2:40:23 PM	65280
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/1/2022 3:28:09 AM	65267
Surr: BFB	107	70-130		%Rec	1	2/1/2022 3:28:09 AM	65267
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	2/1/2022 3:28:09 AM	65267
Toluene	ND	0.049		mg/Kg	1	2/1/2022 3:28:09 AM	65267
Ethylbenzene	ND	0.049		mg/Kg	1	2/1/2022 3:28:09 AM	65267
Xylenes, Total	ND	0.099		mg/Kg	1	2/1/2022 3:28:09 AM	65267
Surr: 4-Bromofluorobenzene	99.1	70-130		%Rec	1	2/1/2022 3:28:09 AM	65267

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

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

**Analytical Report**

Lab Order **2201A89**

Date Reported: **2/8/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-23 6'

**Project:** Mallard

**Collection Date:** 1/25/2022 12:10:00 PM

**Lab ID:** 2201A89-023

**Matrix:** SOIL

**Received Date:** 1/28/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	820	61		mg/Kg	20	2/2/2022 1:27:52 PM	65329
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	2/2/2022 2:51:09 PM	65280
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	2/2/2022 2:51:09 PM	65280
Surr: DNOP	105	51.1-141		%Rec	1	2/2/2022 2:51:09 PM	65280
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	2/1/2022 3:51:38 AM	65267
Surr: BFB	105	70-130		%Rec	1	2/1/2022 3:51:38 AM	65267
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.023		mg/Kg	1	2/1/2022 3:51:38 AM	65267
Toluene	ND	0.046		mg/Kg	1	2/1/2022 3:51:38 AM	65267
Ethylbenzene	ND	0.046		mg/Kg	1	2/1/2022 3:51:38 AM	65267
Xylenes, Total	ND	0.092		mg/Kg	1	2/1/2022 3:51:38 AM	65267
Surr: 4-Bromofluorobenzene	98.4	70-130		%Rec	1	2/1/2022 3:51:38 AM	65267

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

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

**Analytical Report**

Lab Order **2201A89**

Date Reported: **2/8/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-23 12'

**Project:** Mallard

**Collection Date:** 1/25/2022 12:20:00 PM

**Lab ID:** 2201A89-024

**Matrix:** SOIL

**Received Date:** 1/28/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	310	60		mg/Kg	20	2/2/2022 2:29:37 PM	65329
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	42	9.3		mg/Kg	1	2/2/2022 3:01:52 PM	65280
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	2/2/2022 3:01:52 PM	65280
Surr: DNOP	105	51.1-141		%Rec	1	2/2/2022 3:01:52 PM	65280
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	2/1/2022 4:15:10 AM	65267
Surr: BFB	106	70-130		%Rec	1	2/1/2022 4:15:10 AM	65267
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.023		mg/Kg	1	2/1/2022 4:15:10 AM	65267
Toluene	ND	0.046		mg/Kg	1	2/1/2022 4:15:10 AM	65267
Ethylbenzene	ND	0.046		mg/Kg	1	2/1/2022 4:15:10 AM	65267
Xylenes, Total	ND	0.092		mg/Kg	1	2/1/2022 4:15:10 AM	65267
Surr: 4-Bromofluorobenzene	98.9	70-130		%Rec	1	2/1/2022 4:15:10 AM	65267

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

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

**Analytical Report**

Lab Order **2201A89**

Date Reported: **2/8/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-24 0'

**Project:** Mallard

**Collection Date:** 1/26/2022 8:30:00 AM

**Lab ID:** 2201A89-025

**Matrix:** SOIL

**Received Date:** 1/28/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	1600	60		mg/Kg	20	2/2/2022 2:41:57 PM	65329
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	2/2/2022 3:12:33 PM	65280
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/2/2022 3:12:33 PM	65280
Surr: DNOP	90.0	51.1-141		%Rec	1	2/2/2022 3:12:33 PM	65280
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	2/1/2022 4:38:40 AM	65267
Surr: BFB	107	70-130		%Rec	1	2/1/2022 4:38:40 AM	65267
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.023		mg/Kg	1	2/1/2022 4:38:40 AM	65267
Toluene	ND	0.046		mg/Kg	1	2/1/2022 4:38:40 AM	65267
Ethylbenzene	ND	0.046		mg/Kg	1	2/1/2022 4:38:40 AM	65267
Xylenes, Total	ND	0.093		mg/Kg	1	2/1/2022 4:38:40 AM	65267
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	2/1/2022 4:38:40 AM	65267

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

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

**Analytical Report**

Lab Order **2201A89**

Date Reported: **2/8/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-24 6'

**Project:** Mallard

**Collection Date:** 1/26/2022 8:40:00 AM

**Lab ID:** 2201A89-026

**Matrix:** SOIL

**Received Date:** 1/28/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	3700	150		mg/Kg	50	2/3/2022 1:39:39 PM	65329
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	2/2/2022 3:51:00 AM	65280
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/2/2022 3:51:00 AM	65280
Surr: DNOP	89.9	51.1-141		%Rec	1	2/2/2022 3:51:00 AM	65280
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/1/2022 5:02:06 AM	65267
Surr: BFB	112	70-130		%Rec	1	2/1/2022 5:02:06 AM	65267
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	2/1/2022 5:02:06 AM	65267
Toluene	ND	0.048		mg/Kg	1	2/1/2022 5:02:06 AM	65267
Ethylbenzene	ND	0.048		mg/Kg	1	2/1/2022 5:02:06 AM	65267
Xylenes, Total	ND	0.095		mg/Kg	1	2/1/2022 5:02:06 AM	65267
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	2/1/2022 5:02:06 AM	65267

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

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

**Analytical Report**

Lab Order **2201A89**

Date Reported: **2/8/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-24 12'

**Project:** Mallard

**Collection Date:** 1/26/2022 8:50:00 AM

**Lab ID:** 2201A89-027

**Matrix:** SOIL

**Received Date:** 1/28/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	590	60		mg/Kg	20	2/2/2022 3:06:39 PM	65329
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	2/2/2022 4:01:31 AM	65280
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/2/2022 4:01:31 AM	65280
Surr: DNOP	98.2	51.1-141		%Rec	1	2/2/2022 4:01:31 AM	65280
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/1/2022 9:07:00 AM	65267
Surr: BFB	97.1	70-130		%Rec	1	2/1/2022 9:07:00 AM	65267
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	2/1/2022 9:07:00 AM	65267
Toluene	ND	0.047		mg/Kg	1	2/1/2022 9:07:00 AM	65267
Ethylbenzene	ND	0.047		mg/Kg	1	2/1/2022 9:07:00 AM	65267
Xylenes, Total	ND	0.095		mg/Kg	1	2/1/2022 9:07:00 AM	65267
Surr: 4-Bromofluorobenzene	90.6	70-130		%Rec	1	2/1/2022 9:07:00 AM	65267

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

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

**Analytical Report**

Lab Order **2201A89**

Date Reported: **2/8/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-25 0'

**Project:** Mallard

**Collection Date:** 1/26/2022 9:06:00 AM

**Lab ID:** 2201A89-028

**Matrix:** SOIL

**Received Date:** 1/28/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	2/2/2022 3:19:00 PM	65329
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	2/2/2022 4:12:00 AM	65280
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/2/2022 4:12:00 AM	65280
Surr: DNOP	65.6	51.1-141		%Rec	1	2/2/2022 4:12:00 AM	65280
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/1/2022 9:27:00 AM	65267
Surr: BFB	92.7	70-130		%Rec	1	2/1/2022 9:27:00 AM	65267
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.023		mg/Kg	1	2/1/2022 9:27:00 AM	65267
Toluene	ND	0.047		mg/Kg	1	2/1/2022 9:27:00 AM	65267
Ethylbenzene	ND	0.047		mg/Kg	1	2/1/2022 9:27:00 AM	65267
Xylenes, Total	ND	0.094		mg/Kg	1	2/1/2022 9:27:00 AM	65267
Surr: 4-Bromofluorobenzene	86.9	70-130		%Rec	1	2/1/2022 9:27:00 AM	65267

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

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

**Analytical Report**

Lab Order **2201A89**

Date Reported: **2/8/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-25 6'

**Project:** Mallard

**Collection Date:** 1/26/2022 9:10:00 AM

**Lab ID:** 2201A89-029

**Matrix:** SOIL

**Received Date:** 1/28/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	680	59		mg/Kg	20	2/2/2022 3:31:20 PM	65329
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	2/2/2022 4:22:27 AM	65280
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/2/2022 4:22:27 AM	65280
Surr: DNOP	103	51.1-141		%Rec	1	2/2/2022 4:22:27 AM	65280
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	2/1/2022 9:46:00 AM	65267
Surr: BFB	98.3	70-130		%Rec	1	2/1/2022 9:46:00 AM	65267
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.023		mg/Kg	1	2/1/2022 9:46:00 AM	65267
Toluene	ND	0.046		mg/Kg	1	2/1/2022 9:46:00 AM	65267
Ethylbenzene	ND	0.046		mg/Kg	1	2/1/2022 9:46:00 AM	65267
Xylenes, Total	ND	0.091		mg/Kg	1	2/1/2022 9:46:00 AM	65267
Surr: 4-Bromofluorobenzene	91.9	70-130		%Rec	1	2/1/2022 9:46:00 AM	65267

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

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

**Analytical Report**

Lab Order **2201A89**

Date Reported: **2/8/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-25 12'

**Project:** Mallard

**Collection Date:** 1/26/2022 9:20:00 AM

**Lab ID:** 2201A89-030

**Matrix:** SOIL

**Received Date:** 1/28/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	1200	60		mg/Kg	20	2/2/2022 3:43:41 PM	65329
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	2/2/2022 4:32:51 AM	65280
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/2/2022 4:32:51 AM	65280
Surr: DNOP	77.8	51.1-141		%Rec	1	2/2/2022 4:32:51 AM	65280
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/1/2022 10:06:00 AM	65267
Surr: BFB	99.9	70-130		%Rec	1	2/1/2022 10:06:00 AM	65267
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	2/1/2022 10:06:00 AM	65267
Toluene	ND	0.047		mg/Kg	1	2/1/2022 10:06:00 AM	65267
Ethylbenzene	ND	0.047		mg/Kg	1	2/1/2022 10:06:00 AM	65267
Xylenes, Total	ND	0.095		mg/Kg	1	2/1/2022 10:06:00 AM	65267
Surr: 4-Bromofluorobenzene	90.1	70-130		%Rec	1	2/1/2022 10:06:00 AM	65267

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

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

**Analytical Report**

Lab Order **2201A89**

Date Reported: **2/8/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-26 0'

**Project:** Mallard

**Collection Date:** 1/26/2022 9:30:00 AM

**Lab ID:** 2201A89-031

**Matrix:** SOIL

**Received Date:** 1/28/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	6300	300		mg/Kg	100	2/3/2022 2:16:53 PM	65329
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	10	10		mg/Kg	1	2/2/2022 4:43:14 AM	65280
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/2/2022 4:43:14 AM	65280
Surr: DNOP	64.3	51.1-141		%Rec	1	2/2/2022 4:43:14 AM	65280
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/1/2022 10:26:00 AM	65267
Surr: BFB	94.6	70-130		%Rec	1	2/1/2022 10:26:00 AM	65267
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	2/1/2022 10:26:00 AM	65267
Toluene	ND	0.048		mg/Kg	1	2/1/2022 10:26:00 AM	65267
Ethylbenzene	ND	0.048		mg/Kg	1	2/1/2022 10:26:00 AM	65267
Xylenes, Total	ND	0.097		mg/Kg	1	2/1/2022 10:26:00 AM	65267
Surr: 4-Bromofluorobenzene	89.6	70-130		%Rec	1	2/1/2022 10:26:00 AM	65267

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

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

**Analytical Report**

Lab Order **2201A89**

Date Reported: **2/8/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-26 6'

**Project:** Mallard

**Collection Date:** 1/26/2022 9:40:00 AM

**Lab ID:** 2201A89-032

**Matrix:** SOIL

**Received Date:** 1/28/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	2300	150		mg/Kg	50	2/3/2022 2:29:18 PM	65329
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	2/2/2022 4:53:38 AM	65280
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/2/2022 4:53:38 AM	65280
Surr: DNOP	92.8	51.1-141		%Rec	1	2/2/2022 4:53:38 AM	65280
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/1/2022 10:46:00 AM	65267
Surr: BFB	101	70-130		%Rec	1	2/1/2022 10:46:00 AM	65267
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	2/1/2022 10:46:00 AM	65267
Toluene	ND	0.048		mg/Kg	1	2/1/2022 10:46:00 AM	65267
Ethylbenzene	ND	0.048		mg/Kg	1	2/1/2022 10:46:00 AM	65267
Xylenes, Total	ND	0.096		mg/Kg	1	2/1/2022 10:46:00 AM	65267
Surr: 4-Bromofluorobenzene	93.2	70-130		%Rec	1	2/1/2022 10:46:00 AM	65267

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

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

**Analytical Report**

Lab Order **2201A89**

Date Reported: **2/8/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-26 12'

**Project:** Mallard

**Collection Date:** 1/26/2022 9:50:00 AM

**Lab ID:** 2201A89-033

**Matrix:** SOIL

**Received Date:** 1/28/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	2500	150		mg/Kg	50	2/3/2022 2:41:42 PM	65329
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	2/2/2022 5:04:02 AM	65280
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	2/2/2022 5:04:02 AM	65280
Surr: DNOP	109	51.1-141		%Rec	1	2/2/2022 5:04:02 AM	65280
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/1/2022 11:05:00 AM	65267
Surr: BFB	98.5	70-130		%Rec	1	2/1/2022 11:05:00 AM	65267
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	2/1/2022 11:05:00 AM	65267
Toluene	ND	0.048		mg/Kg	1	2/1/2022 11:05:00 AM	65267
Ethylbenzene	ND	0.048		mg/Kg	1	2/1/2022 11:05:00 AM	65267
Xylenes, Total	ND	0.096		mg/Kg	1	2/1/2022 11:05:00 AM	65267
Surr: 4-Bromofluorobenzene	94.0	70-130		%Rec	1	2/1/2022 11:05:00 AM	65267

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

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

**Analytical Report**

Lab Order **2201A89**

Date Reported: **2/8/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-27 0'

**Project:** Mallard

**Collection Date:** 1/26/2022 10:00:00 AM

**Lab ID:** 2201A89-034

**Matrix:** SOIL

**Received Date:** 1/28/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	2/2/2022 4:57:45 PM	65329
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	48	8.9		mg/Kg	1	2/2/2022 3:23:14 PM	65280
Motor Oil Range Organics (MRO)	150	45		mg/Kg	1	2/2/2022 3:23:14 PM	65280
Surr: DNOP	80.4	51.1-141		%Rec	1	2/2/2022 3:23:14 PM	65280
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	1/31/2022 4:49:24 PM	65268
Surr: BFB	115	70-130		%Rec	1	1/31/2022 4:49:24 PM	65268
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	1/31/2022 4:49:24 PM	65268
Toluene	ND	0.050		mg/Kg	1	1/31/2022 4:49:24 PM	65268
Ethylbenzene	ND	0.050		mg/Kg	1	1/31/2022 4:49:24 PM	65268
Xylenes, Total	ND	0.10		mg/Kg	1	1/31/2022 4:49:24 PM	65268
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	1/31/2022 4:49:24 PM	65268

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

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

**Analytical Report**

Lab Order **2201A89**

Date Reported: **2/8/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-27 6'

**Project:** Mallard

**Collection Date:** 1/26/2022 10:10:00 AM

**Lab ID:** 2201A89-035

**Matrix:** SOIL

**Received Date:** 1/28/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	1000	60		mg/Kg	20	2/2/2022 5:10:05 PM	65329
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	2/1/2022 5:31:52 PM	65281
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/1/2022 5:31:52 PM	65281
Surr: DNOP	87.2	51.1-141		%Rec	1	2/1/2022 5:31:52 PM	65281
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/31/2022 6:01:27 PM	65268
Surr: BFB	113	70-130		%Rec	1	1/31/2022 6:01:27 PM	65268
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.023		mg/Kg	1	1/31/2022 6:01:27 PM	65268
Toluene	ND	0.047		mg/Kg	1	1/31/2022 6:01:27 PM	65268
Ethylbenzene	ND	0.047		mg/Kg	1	1/31/2022 6:01:27 PM	65268
Xylenes, Total	ND	0.094		mg/Kg	1	1/31/2022 6:01:27 PM	65268
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	1/31/2022 6:01:27 PM	65268

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

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

**Analytical Report**

Lab Order **2201A89**

Date Reported: **2/8/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-27 12'

**Project:** Mallard

**Collection Date:** 1/26/2022 10:20:00 AM

**Lab ID:** 2201A89-036

**Matrix:** SOIL

**Received Date:** 1/28/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	1300	60		mg/Kg	20	2/2/2022 5:22:27 PM	65329
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	2/1/2022 5:42:41 PM	65281
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	2/1/2022 5:42:41 PM	65281
Surr: DNOP	118	51.1-141		%Rec	1	2/1/2022 5:42:41 PM	65281
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/31/2022 7:12:59 PM	65268
Surr: BFB	109	70-130		%Rec	1	1/31/2022 7:12:59 PM	65268
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	1/31/2022 7:12:59 PM	65268
Toluene	ND	0.047		mg/Kg	1	1/31/2022 7:12:59 PM	65268
Ethylbenzene	ND	0.047		mg/Kg	1	1/31/2022 7:12:59 PM	65268
Xylenes, Total	ND	0.094		mg/Kg	1	1/31/2022 7:12:59 PM	65268
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	1/31/2022 7:12:59 PM	65268

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

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

**Analytical Report**

Lab Order **2201A89**

Date Reported: **2/8/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-28 0'

**Project:** Mallard

**Collection Date:** 1/26/2022 10:30:00 AM

**Lab ID:** 2201A89-037

**Matrix:** SOIL

**Received Date:** 1/28/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	120	59		mg/Kg	20	2/2/2022 5:34:47 PM	65329
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	2/1/2022 5:53:31 PM	65281
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/1/2022 5:53:31 PM	65281
Surr: DNOP	92.1	51.1-141		%Rec	1	2/1/2022 5:53:31 PM	65281
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/31/2022 7:36:52 PM	65268
Surr: BFB	110	70-130		%Rec	1	1/31/2022 7:36:52 PM	65268
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	1/31/2022 7:36:52 PM	65268
Toluene	ND	0.049		mg/Kg	1	1/31/2022 7:36:52 PM	65268
Ethylbenzene	ND	0.049		mg/Kg	1	1/31/2022 7:36:52 PM	65268
Xylenes, Total	ND	0.098		mg/Kg	1	1/31/2022 7:36:52 PM	65268
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	1/31/2022 7:36:52 PM	65268

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

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

**Analytical Report**

Lab Order **2201A89**

Date Reported: **2/8/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-28 3'

**Project:** Mallard

**Collection Date:** 1/26/2022 10:40:00 AM

**Lab ID:** 2201A89-038

**Matrix:** SOIL

**Received Date:** 1/28/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	88	60		mg/Kg	20	2/2/2022 5:47:08 PM	65329
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	2/1/2022 6:04:18 PM	65281
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/1/2022 6:04:18 PM	65281
Surr: DNOP	113	51.1-141		%Rec	1	2/1/2022 6:04:18 PM	65281
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/31/2022 8:00:37 PM	65268
Surr: BFB	111	70-130		%Rec	1	1/31/2022 8:00:37 PM	65268
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	1/31/2022 8:00:37 PM	65268
Toluene	ND	0.049		mg/Kg	1	1/31/2022 8:00:37 PM	65268
Ethylbenzene	ND	0.049		mg/Kg	1	1/31/2022 8:00:37 PM	65268
Xylenes, Total	ND	0.098		mg/Kg	1	1/31/2022 8:00:37 PM	65268
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	1/31/2022 8:00:37 PM	65268

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

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

**Analytical Report**

Lab Order **2201A89**

Date Reported: **2/8/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-28 6'

**Project:** Mallard

**Collection Date:** 1/26/2022 10:50:00 AM

**Lab ID:** 2201A89-039

**Matrix:** SOIL

**Received Date:** 1/28/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	280	60		mg/Kg	20	2/2/2022 5:59:28 PM	65329
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	2/1/2022 6:15:07 PM	65281
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/1/2022 6:15:07 PM	65281
Surr: DNOP	92.5	51.1-141		%Rec	1	2/1/2022 6:15:07 PM	65281
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/31/2022 8:24:19 PM	65268
Surr: BFB	111	70-130		%Rec	1	1/31/2022 8:24:19 PM	65268
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	1/31/2022 8:24:19 PM	65268
Toluene	ND	0.048		mg/Kg	1	1/31/2022 8:24:19 PM	65268
Ethylbenzene	ND	0.048		mg/Kg	1	1/31/2022 8:24:19 PM	65268
Xylenes, Total	ND	0.096		mg/Kg	1	1/31/2022 8:24:19 PM	65268
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	1/31/2022 8:24:19 PM	65268

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

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

**Analytical Report**

Lab Order **2201A89**

Date Reported: **2/8/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-29 0'

**Project:** Mallard

**Collection Date:** 1/26/2022 11:00:00 AM

**Lab ID:** 2201A89-040

**Matrix:** SOIL

**Received Date:** 1/28/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	2/2/2022 6:11:49 PM	65329
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	18	9.3		mg/Kg	1	2/1/2022 6:25:53 PM	65281
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	2/1/2022 6:25:53 PM	65281
Surr: DNOP	61.6	51.1-141		%Rec	1	2/1/2022 6:25:53 PM	65281
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/31/2022 8:47:59 PM	65268
Surr: BFB	110	70-130		%Rec	1	1/31/2022 8:47:59 PM	65268
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.023		mg/Kg	1	1/31/2022 8:47:59 PM	65268
Toluene	ND	0.047		mg/Kg	1	1/31/2022 8:47:59 PM	65268
Ethylbenzene	ND	0.047		mg/Kg	1	1/31/2022 8:47:59 PM	65268
Xylenes, Total	ND	0.093		mg/Kg	1	1/31/2022 8:47:59 PM	65268
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	1/31/2022 8:47:59 PM	65268

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

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

**Analytical Report**

Lab Order **2201A89**

Date Reported: **2/8/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-29 3'

**Project:** Mallard

**Collection Date:** 1/26/2022 11:10:00 AM

**Lab ID:** 2201A89-041

**Matrix:** SOIL

**Received Date:** 1/28/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	2/2/2022 2:17:09 PM	65332
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	2/1/2022 6:36:40 PM	65281
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/1/2022 6:36:40 PM	65281
Surr: DNOP	102	51.1-141		%Rec	1	2/1/2022 6:36:40 PM	65281
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	1/31/2022 9:11:33 PM	65268
Surr: BFB	112	70-130		%Rec	1	1/31/2022 9:11:33 PM	65268
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	1/31/2022 9:11:33 PM	65268
Toluene	ND	0.050		mg/Kg	1	1/31/2022 9:11:33 PM	65268
Ethylbenzene	ND	0.050		mg/Kg	1	1/31/2022 9:11:33 PM	65268
Xylenes, Total	ND	0.10		mg/Kg	1	1/31/2022 9:11:33 PM	65268
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	1/31/2022 9:11:33 PM	65268

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

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

**Analytical Report**

Lab Order **2201A89**

Date Reported: **2/8/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-29 6'

**Project:** Mallard

**Collection Date:** 1/26/2022 11:20:00 AM

**Lab ID:** 2201A89-042

**Matrix:** SOIL

**Received Date:** 1/28/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	87	59		mg/Kg	20	2/2/2022 2:29:33 PM	65332
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	2/1/2022 6:47:25 PM	65281
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/1/2022 6:47:25 PM	65281
Surr: DNOP	86.3	51.1-141		%Rec	1	2/1/2022 6:47:25 PM	65281
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/31/2022 9:35:08 PM	65268
Surr: BFB	108	70-130		%Rec	1	1/31/2022 9:35:08 PM	65268
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	1/31/2022 9:35:08 PM	65268
Toluene	ND	0.049		mg/Kg	1	1/31/2022 9:35:08 PM	65268
Ethylbenzene	ND	0.049		mg/Kg	1	1/31/2022 9:35:08 PM	65268
Xylenes, Total	ND	0.098		mg/Kg	1	1/31/2022 9:35:08 PM	65268
Surr: 4-Bromofluorobenzene	99.0	70-130		%Rec	1	1/31/2022 9:35:08 PM	65268

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

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

**Analytical Report**

Lab Order **2201A89**

Date Reported: **2/8/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-30 0'

**Project:** Mallard

**Collection Date:** 1/26/2022 12:30:00 PM

**Lab ID:** 2201A89-043

**Matrix:** SOIL

**Received Date:** 1/28/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	380	60		mg/Kg	20	2/2/2022 2:41:58 PM	65332
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	9.5	9.4		mg/Kg	1	2/2/2022 1:46:21 PM	65281
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/2/2022 1:46:21 PM	65281
Surr: DNOP	80.0	51.1-141		%Rec	1	2/2/2022 1:46:21 PM	65281
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/31/2022 9:58:40 PM	65268
Surr: BFB	107	70-130		%Rec	1	1/31/2022 9:58:40 PM	65268
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.023		mg/Kg	1	1/31/2022 9:58:40 PM	65268
Toluene	ND	0.047		mg/Kg	1	1/31/2022 9:58:40 PM	65268
Ethylbenzene	ND	0.047		mg/Kg	1	1/31/2022 9:58:40 PM	65268
Xylenes, Total	ND	0.093		mg/Kg	1	1/31/2022 9:58:40 PM	65268
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	1/31/2022 9:58:40 PM	65268

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

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

**Analytical Report**

Lab Order **2201A89**

Date Reported: **2/8/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-30 6'

**Project:** Mallard

**Collection Date:** 1/26/2022 12:40:00 PM

**Lab ID:** 2201A89-044

**Matrix:** SOIL

**Received Date:** 1/28/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	410	60		mg/Kg	20	2/2/2022 2:54:22 PM	65332
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	2/1/2022 7:08:51 PM	65281
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/1/2022 7:08:51 PM	65281
Surr: DNOP	88.0	51.1-141		%Rec	1	2/1/2022 7:08:51 PM	65281
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/31/2022 11:09:12 PM	65268
Surr: BFB	108	70-130		%Rec	1	1/31/2022 11:09:12 PM	65268
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.023		mg/Kg	1	1/31/2022 11:09:12 PM	65268
Toluene	ND	0.047		mg/Kg	1	1/31/2022 11:09:12 PM	65268
Ethylbenzene	ND	0.047		mg/Kg	1	1/31/2022 11:09:12 PM	65268
Xylenes, Total	ND	0.093		mg/Kg	1	1/31/2022 11:09:12 PM	65268
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	1/31/2022 11:09:12 PM	65268

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

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

**Analytical Report**

Lab Order **2201A89**

Date Reported: **2/8/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-30 12'

**Project:** Mallard

**Collection Date:** 1/26/2022 12:50:00 PM

**Lab ID:** 2201A89-045

**Matrix:** SOIL

**Received Date:** 1/28/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	140	60		mg/Kg	20	2/2/2022 3:06:47 PM	65332
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	63	9.4		mg/Kg	1	2/1/2022 7:19:32 PM	65281
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/1/2022 7:19:32 PM	65281
Surr: DNOP	96.4	51.1-141		%Rec	1	2/1/2022 7:19:32 PM	65281
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/31/2022 11:32:46 PM	65268
Surr: BFB	110	70-130		%Rec	1	1/31/2022 11:32:46 PM	65268
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	1/31/2022 11:32:46 PM	65268
Toluene	ND	0.048		mg/Kg	1	1/31/2022 11:32:46 PM	65268
Ethylbenzene	ND	0.048		mg/Kg	1	1/31/2022 11:32:46 PM	65268
Xylenes, Total	ND	0.096		mg/Kg	1	1/31/2022 11:32:46 PM	65268
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	1/31/2022 11:32:46 PM	65268

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

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2201A89

08-Feb-22

**Client:** EOG  
**Project:** Mallard

Sample ID: <b>MB-65299</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65299</b>	RunNo: <b>85517</b>								
Prep Date: <b>1/31/2022</b>	Analysis Date: <b>1/31/2022</b>	SeqNo: <b>3009983</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-65299</b>	SampType: <b>ics</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65299</b>	RunNo: <b>85517</b>								
Prep Date: <b>1/31/2022</b>	Analysis Date: <b>1/31/2022</b>	SeqNo: <b>3009984</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.6	90	110			

Sample ID: <b>MB-65299</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65299</b>	RunNo: <b>85550</b>								
Prep Date: <b>1/31/2022</b>	Analysis Date: <b>2/1/2022</b>	SeqNo: <b>3011125</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-65299</b>	SampType: <b>ics</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65299</b>	RunNo: <b>85550</b>								
Prep Date: <b>1/31/2022</b>	Analysis Date: <b>2/1/2022</b>	SeqNo: <b>3011126</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.2	90	110			

Sample ID: <b>MB-65299</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65299</b>	RunNo: <b>85551</b>								
Prep Date: <b>1/31/2022</b>	Analysis Date: <b>2/1/2022</b>	SeqNo: <b>3011191</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-65299</b>	SampType: <b>ics</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65299</b>	RunNo: <b>85551</b>								
Prep Date: <b>1/31/2022</b>	Analysis Date: <b>2/1/2022</b>	SeqNo: <b>3011192</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.0	90	110			

**Qualifiers:**

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2201A89

08-Feb-22

**Client:** EOG  
**Project:** Mallard

Sample ID: <b>MB-65310</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65310</b>	RunNo: <b>85551</b>								
Prep Date: <b>2/1/2022</b>	Analysis Date: <b>2/1/2022</b>	SeqNo: <b>3011210</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-65310</b>	SampType: <b>ics</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65310</b>	RunNo: <b>85551</b>								
Prep Date: <b>2/1/2022</b>	Analysis Date: <b>2/1/2022</b>	SeqNo: <b>3011211</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.0	90	110			

Sample ID: <b>MB-65332</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65332</b>	RunNo: <b>85584</b>								
Prep Date: <b>2/2/2022</b>	Analysis Date: <b>2/2/2022</b>	SeqNo: <b>3012470</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-65332</b>	SampType: <b>ics</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65332</b>	RunNo: <b>85584</b>								
Prep Date: <b>2/2/2022</b>	Analysis Date: <b>2/2/2022</b>	SeqNo: <b>3012471</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.4	90	110			

Sample ID: <b>MB-65329</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65329</b>	RunNo: <b>85586</b>								
Prep Date: <b>2/2/2022</b>	Analysis Date: <b>2/2/2022</b>	SeqNo: <b>3012582</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-65329</b>	SampType: <b>ics</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65329</b>	RunNo: <b>85586</b>								
Prep Date: <b>2/2/2022</b>	Analysis Date: <b>2/2/2022</b>	SeqNo: <b>3012583</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.8	90	110			

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix 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#: 2201A89

08-Feb-22

**Client:** EOG  
**Project:** Mallard

Sample ID: <b>MB-65280</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65280</b>	RunNo: <b>85537</b>								
Prep Date: <b>1/31/2022</b>	Analysis Date: <b>2/1/2022</b>	SeqNo: <b>3011395</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.8		10.00		87.7	51.1	141			

Sample ID: <b>LCS-65280</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65280</b>	RunNo: <b>85537</b>								
Prep Date: <b>1/31/2022</b>	Analysis Date: <b>2/1/2022</b>	SeqNo: <b>3011396</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	92.9	68.9	135			
Surr: DNOP	4.0		5.000		80.8	51.1	141			

Sample ID: <b>MB-65285</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65285</b>	RunNo: <b>85537</b>								
Prep Date: <b>1/31/2022</b>	Analysis Date: <b>2/1/2022</b>	SeqNo: <b>3011397</b>	Units: <b>%Rec</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10		10.00		100	51.1	141			

Sample ID: <b>LCS-65285</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65285</b>	RunNo: <b>85537</b>								
Prep Date: <b>1/31/2022</b>	Analysis Date: <b>2/1/2022</b>	SeqNo: <b>3011398</b>	Units: <b>%Rec</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.6		5.000		92.6	51.1	141			

Sample ID: <b>MB-65279</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65279</b>	RunNo: <b>85537</b>								
Prep Date: <b>1/31/2022</b>	Analysis Date: <b>2/1/2022</b>	SeqNo: <b>3011401</b>	Units: <b>mg/Kg</b>							
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		106	51.1	141			

Sample ID: <b>LCS-65279</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65279</b>	RunNo: <b>85537</b>								
Prep Date: <b>1/31/2022</b>	Analysis Date: <b>2/1/2022</b>	SeqNo: <b>3011402</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E 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#: 2201A89

08-Feb-22

**Client:** EOG  
**Project:** Mallard

Sample ID: <b>LCS-65279</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65279</b>	RunNo: <b>85537</b>								
Prep Date: <b>1/31/2022</b>	Analysis Date: <b>2/1/2022</b>	SeqNo: <b>3011402</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	55	10	50.00	0	110	68.9	135			
Surr: DNOP	4.5		5.000		90.6	51.1	141			

Sample ID: <b>MB-65284</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65284</b>	RunNo: <b>85537</b>								
Prep Date: <b>1/31/2022</b>	Analysis Date: <b>2/1/2022</b>	SeqNo: <b>3011403</b>	Units: <b>%Rec</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	7.8		10.00		78.4	51.1	141			

Sample ID: <b>LCS-65284</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65284</b>	RunNo: <b>85537</b>								
Prep Date: <b>1/31/2022</b>	Analysis Date: <b>2/1/2022</b>	SeqNo: <b>3011404</b>	Units: <b>%Rec</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	3.4		5.000		68.1	51.1	141			

Sample ID: <b>MB-65281</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65281</b>	RunNo: <b>85537</b>								
Prep Date: <b>1/31/2022</b>	Analysis Date: <b>2/1/2022</b>	SeqNo: <b>3011479</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.4		10.00		83.8	51.1	141			

Sample ID: <b>LCS-65281</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65281</b>	RunNo: <b>85537</b>								
Prep Date: <b>1/31/2022</b>	Analysis Date: <b>2/1/2022</b>	SeqNo: <b>3011480</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	94.3	68.9	135			
Surr: DNOP	4.1		5.000		82.6	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 Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2201A89

08-Feb-22

**Client:** EOG  
**Project:** Mallard

Sample ID: <b>mb-65268</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>65268</b>		RunNo: <b>85513</b>							
Prep Date: <b>1/28/2022</b>	Analysis Date: <b>1/31/2022</b>		SeqNo: <b>3009638</b>		Units: <b>mg/Kg</b>					
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		116	70	130			

Sample ID: <b>lcs-65268</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>65268</b>		RunNo: <b>85513</b>							
Prep Date: <b>1/28/2022</b>	Analysis Date: <b>1/31/2022</b>		SeqNo: <b>3009639</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	25.00	0	85.0	78.6	131			
Surr: BFB	1200		1000		123	70	130			

Sample ID: <b>mb-65266</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>65266</b>		RunNo: <b>85512</b>							
Prep Date: <b>1/28/2022</b>	Analysis Date: <b>1/31/2022</b>		SeqNo: <b>3009719</b>		Units: <b>mg/Kg</b>					
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		96.7	70	130			

Sample ID: <b>mb-65267</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>65267</b>		RunNo: <b>85512</b>							
Prep Date: <b>1/28/2022</b>	Analysis Date: <b>2/1/2022</b>		SeqNo: <b>3009720</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	970		1000		97.2	70	130			

Sample ID: <b>lcs-65266</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>65266</b>		RunNo: <b>85512</b>							
Prep Date: <b>1/28/2022</b>	Analysis Date: <b>1/31/2022</b>		SeqNo: <b>3009722</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	102	78.6	131			
Surr: BFB	1200		1000		123	70	130			

Sample ID: <b>lcs-65267</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>65267</b>		RunNo: <b>85512</b>							
Prep Date: <b>1/28/2022</b>	Analysis Date: <b>2/1/2022</b>		SeqNo: <b>3009723</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E 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#: 2201A89

08-Feb-22

**Client:** EOG  
**Project:** Mallard

Sample ID: <b>ics-65267</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>65267</b>		RunNo: <b>85512</b>							
Prep Date: <b>1/28/2022</b>	Analysis Date: <b>2/1/2022</b>		SeqNo: <b>3009723</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	89.3	78.6	131			
Surr: BFB	1100		1000		112	70	130			

Sample ID: <b>mb-65288</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>65288</b>		RunNo: <b>85541</b>							
Prep Date: <b>1/31/2022</b>	Analysis Date: <b>2/2/2022</b>		SeqNo: <b>3010823</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100		1000		108	70	130			

Sample ID: <b>ics-65288</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>65288</b>		RunNo: <b>85541</b>							
Prep Date: <b>1/31/2022</b>	Analysis Date: <b>2/2/2022</b>		SeqNo: <b>3010824</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1200		1000		120	70	130			

Sample ID: <b>mb-65274</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>65274</b>		RunNo: <b>85543</b>							
Prep Date: <b>1/29/2022</b>	Analysis Date: <b>2/1/2022</b>		SeqNo: <b>3010878</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	960		1000		96.1	70	130			

Sample ID: <b>mb-65275</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>65275</b>		RunNo: <b>85543</b>							
Prep Date: <b>1/29/2022</b>	Analysis Date: <b>2/1/2022</b>		SeqNo: <b>3010879</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	970		1000		97.0	70	130			

Sample ID: <b>ics-65274</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>65274</b>		RunNo: <b>85543</b>							
Prep Date: <b>1/29/2022</b>	Analysis Date: <b>2/1/2022</b>		SeqNo: <b>3010880</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100		1000		111	70	130			

**Qualifiers:**

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

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2201A89

08-Feb-22

**Client:** EOG  
**Project:** Mallard

Sample ID: <b>ics-65275</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65275</b>	RunNo: <b>85543</b>								
Prep Date: <b>1/29/2022</b>	Analysis Date: <b>2/1/2022</b>	SeqNo: <b>3010881</b>	Units: <b>%Rec</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100		1000		106	70	130			

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix 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#: 2201A89

08-Feb-22

**Client:** EOG  
**Project:** Mallard

Sample ID: <b>mb-65268</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65268</b>	RunNo: <b>85513</b>								
Prep Date: <b>1/28/2022</b>	Analysis Date: <b>1/31/2022</b>	SeqNo: <b>3009686</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		104	70	130			

Sample ID: <b>LCS-65268</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65268</b>	RunNo: <b>85513</b>								
Prep Date: <b>1/28/2022</b>	Analysis Date: <b>1/31/2022</b>	SeqNo: <b>3009687</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.83	0.025	1.000	0	83.4	80	120			
Toluene	0.85	0.050	1.000	0	85.4	80	120			
Ethylbenzene	0.88	0.050	1.000	0	88.1	80	120			
Xylenes, Total	2.6	0.10	3.000	0	88.0	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		106	70	130			

Sample ID: <b>mb-65266</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65266</b>	RunNo: <b>85512</b>								
Prep Date: <b>1/28/2022</b>	Analysis Date: <b>1/31/2022</b>	SeqNo: <b>3009772</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.88		1.000		88.1	70	130			

Sample ID: <b>mb-65267</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65267</b>	RunNo: <b>85512</b>								
Prep Date: <b>1/28/2022</b>	Analysis Date: <b>2/1/2022</b>	SeqNo: <b>3009773</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.88		1.000		88.4	70	130			

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix 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#: 2201A89

08-Feb-22

**Client:** EOG  
**Project:** Mallard

Sample ID: <b>ics-65266</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>65266</b>		RunNo: <b>85512</b>							
Prep Date: <b>1/28/2022</b>	Analysis Date: <b>1/31/2022</b>		SeqNo: <b>3009775</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	94.8	80	120			
Toluene	0.93	0.050	1.000	0	92.6	80	120			
Ethylbenzene	0.94	0.050	1.000	0	93.6	80	120			
Xylenes, Total	2.8	0.10	3.000	0	91.8	80	120			
Surr: 4-Bromofluorobenzene	0.86		1.000		86.4	70	130			

Sample ID: <b>ics-65267</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>65267</b>		RunNo: <b>85512</b>							
Prep Date: <b>1/28/2022</b>	Analysis Date: <b>2/1/2022</b>		SeqNo: <b>3009776</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.99	0.025	1.000	0	98.8	80	120			
Toluene	0.98	0.050	1.000	0	98.1	80	120			
Ethylbenzene	0.98	0.050	1.000	0	97.7	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.5	80	120			
Surr: 4-Bromofluorobenzene	0.90		1.000		89.7	70	130			

Sample ID: <b>mb-65274</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>PBS</b>	Batch ID: <b>65274</b>		RunNo: <b>85543</b>							
Prep Date: <b>1/29/2022</b>	Analysis Date: <b>2/1/2022</b>		SeqNo: <b>3010926</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.91		1.000		91.1	70	130			

Sample ID: <b>mb-65275</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>PBS</b>	Batch ID: <b>65275</b>		RunNo: <b>85543</b>							
Prep Date: <b>1/29/2022</b>	Analysis Date: <b>2/1/2022</b>		SeqNo: <b>3010927</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.89		1.000		89.4	70	130			

Sample ID: <b>ics-65274</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>65274</b>		RunNo: <b>85543</b>							
Prep Date: <b>1/29/2022</b>	Analysis Date: <b>2/1/2022</b>		SeqNo: <b>3010928</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.90		1.000		90.1	70	130			

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix 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#: 2201A89

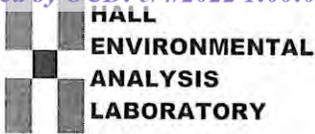
08-Feb-22

**Client:** EOG  
**Project:** Mallard

Sample ID: <b>ics-65275</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65275</b>	RunNo: <b>85543</b>								
Prep Date: <b>1/29/2022</b>	Analysis Date: <b>2/1/2022</b>	SeqNo: <b>3010929</b>	Units: <b>%Rec</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.87		1.000		87.0	70	130			

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix 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
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: EOG Work Order Number: 2201A89 RcptNo: 1

Received By: Sean Livingston 1/28/2022 8:00:00 AM
Completed By: Sean Livingston 1/28/2022 8:15:24 AM
Reviewed By: [Signature] 1/28/22

[Signature]
[Signature]

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [ ] Not Present [ ]
2. How was the sample delivered? Courier

Log In

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

# of preserved bottles checked for pH:
(<2 or >12 unless noted)
Adjusted?
Checked by: [Signature] 1/28/22

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [ ] No [ ] NA [checked]

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

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 1.7, Good, [ ], [ ], [ ], [ ]

# Chain-of-Custody Record

Client: EOG

Mailing Address: OP FILE

Phone #: \_\_\_\_\_

email or Fax#: \_\_\_\_\_

QA/QC Package:  Level 4 (Full Validation)

Standard  Az Compliance  Other

Accreditation:  NELAC  Other

EDD (Type) \_\_\_\_\_

Turn-Around Time: 5-DAY

Standard  Rush

Project Name: Maillard

Project #: ZZE-00123-008

Project Manager: Monica Perpin

Sampler: CD

On Ice:  Yes  No

# of Coolers: 1

Cooler Temp (including CP): 1.7 ± 0.17 (°C)

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
1/25	8:30	SOIL	BHZZ-16 0'	40Z	ICE	2201A89
	8:40		BHZZ-16 3'			002
	8:50		BHZZ-16 6'			003
	9:00		BHZZ-17 0'			004
	9:10		BHZZ-17 3'			005
	9:20		BHZZ-17 6'			006
	9:30		BHZZ-18 0'			007
	9:40		BHZZ-18 3'			008
	9:50		BHZZ-18 6'			009
	10:00		BHZZ-19 0'			010
	10:10		BHZZ-19 3'			011
	10:20		BHZZ-19 6'			012

Relinquished by: \_\_\_\_\_

Relinquished by: Monica Perpin

Date: 1/27/22

Date: 1/27/22

Time: 1:00

Time: 4:00

Received by: Alumina

Received by: See comment

Date: 1/27/22

Date: 1/28/22

Time: 9:00

Time: 4:00

# HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

## Analysis Request

BTEX / MTBE / TMBs (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 <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub>	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
---------------------------	----------------------------	----------------------------	--------------------	--------------------------	---------------	--	------------	-----------------	---------------------------------

Remarks: CC: Chance Dixon  
Direct Bill EOG Resources

# Chain-of-Custody Record

Client: EOG

Turn-Around Time: 5- Day

Standard  Rush

Project Name: M911ard

Project #: 22E-00123-008

Project #: 22E-00123-008

Project Manager: MORICA PERAIN

Sampler: CD

On Ice:  Yes  No

# of Coolers: 1

Cooler Temp (including CP): 1.7 ± 0.17 (°C)



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

## Analysis Request

<input checked="" type="checkbox"/> BTEX / MTBE / TMBs (8021)	<input checked="" type="checkbox"/> TPH:8015D(GRO / DRO / MRO)	<input type="checkbox"/> 8081 Pesticides/8082 PCB's	<input type="checkbox"/> EDB (Method 504.1)	<input type="checkbox"/> PAHs by 8310 or 8270SIMS	<input type="checkbox"/> PCRA 8 Metals	<input type="checkbox"/> Cl, F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub>	<input type="checkbox"/> 8260 (VOA)	<input type="checkbox"/> 8270 (Semi-VOA)	<input type="checkbox"/> Total Coliform (Present/Absent)
---	--	---	---	---	--	---	-------------------------------------	--	--

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
1/25	10:30	Soil	BH22-20 0'	40Z	ICE	013
	10:40		BH22-20 3'			014
	10:50		BH22-20 6'			015
	11:00		BH22-21 0'			016
	11:10		BH22-21 6'			017
	11:20		BH22-21 12'			018
	11:30		BH22-22 0'			019
	11:40		BH22-22 6'			020
	11:50		BH22-22 12'			021
	12:00		BH22-23 0'			022
	12:10		BH22-23 6'			023
	12:20		BH22-23 12'			024

Relinquished by: \_\_\_\_\_

Relinquished by: AMMUN

Received by: AMMUN Date: 1/27/22 9:00

Received by: see courier Date: 1/28/22 8:00

Remarks: CC: CHANCE DIXON  
Direct Bill EOG Resources

### Chain-of-Custody Record

Client: EDG  
 Mailing Address: Chase Settlement file  
 Phone #: \_\_\_\_\_  
 email or Fax#: \_\_\_\_\_  
 QA/QC Package:  
 Standard  Level 4 (Full Validation)  
 Accreditation:  Az Compliance  
 NELAC  Other  
 EDD (Type) \_\_\_\_\_

Turn-Around Time: 5 Day  
 Standard  Rush  
 Project Name: mallard  
 Project #: 22 E-00123-008  
 Project Manager: monica peppin  
 Sampler: CD  
 On Ice:  Yes  No  
 # of Coolers: 1  
 Cooler Temp (including CF): 1.7 ± 0 = 1.7 (°C)

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
1/24/20	830	Soil	BH22-24 0'	100 jar	Ice	025
	840		BH22-24 6'			026
	850		BH22-24 12'			027
	906		BH22-25 0'			028
	910		BH22-25 6'			029
	920		BH22-25 12'			030
	930		BH22-26 0'			031
	940		BH22-26 6'			032
	950		BH22-26 12'			033
	1000		BH22-27 0'			034
	1010		BH22-27 6'			035
	1020		BH22-27 12'			036

Received by: Administrative Date: 1/24/20 9:00  
 Received by: See cover Date: 1/24/20 8:00



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

### Analysis Request

Analysis Request	Analysis Request
<input checked="" type="checkbox"/> BTEX / MTBE / TMB's (8021)	<input checked="" type="checkbox"/>
TPH:8015D(GRO / DRO / MRO)	<input checked="" type="checkbox"/>
8081 Pesticides/8082 PCBs	<input type="checkbox"/>
EDB (Method 504.1)	<input type="checkbox"/>
PAHs by 8310 or 8270SIMS	<input type="checkbox"/>
RCRA 8 Metals	<input type="checkbox"/>
<input checked="" type="checkbox"/> Cl, F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub>	<input checked="" type="checkbox"/>
8260 (VOA)	<input type="checkbox"/>
8270 (Semi-VOA)	<input type="checkbox"/>
Total Coliform (Present/Absent)	<input type="checkbox"/>

Remarks: CC: Chance Dixon  
Monica Peppin  
Direct Bill Edg

### Chain-of-Custody Record

Client: Eog  
 Mailing Address: Chase Settle on file  
 Phone #: /  
 email or Fax#: /  
 QA/QC Package:  
 Standard  Level 4 (Full Validation)  
 Accreditation:  Az Compliance  
 NELAC  Other  
 EDD (Type)

Turn-Around Time: 5 Day  
 Standard  Rush  
 Project Name: Mallard  
 Project #: 22E-00123-00B  
 Project Manager: Monica Peppin  
 Sampler: CD  
 On Ice:  Yes  No  
 # of Coolers: 1  
 Cooler Temp (including cF): 1.7 ± 0.17 (°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.
10/27/22	1030	Soil	BH22-28 0'	400 jar	Lee	037
	1040		BH22-28 3'			038
	1050		BH22-28 6'			039
	1100		BH22-29 0'			040
	1110		BH22-29 3'			041
	1120		BH22-29 6'			042
	1230		BH22-30 0'			043
	1240		BH22-30 6'			044
	1250		BH22-30 12'			045

Analysis Request	
<input checked="" type="checkbox"/> BTEX / MTBE / TMB's (8021)	
<input checked="" type="checkbox"/> TPH:8015D(GRO / DRO / MRO)	
<input type="checkbox"/> 8081 Pesticides/8082 PCB's	
<input type="checkbox"/> EDB (Method 504.1)	
<input type="checkbox"/> PAHs by 8310 or 8270SIMS	
<input type="checkbox"/> RCRA 8 Metals	
<input checked="" type="checkbox"/> Cl <sup>-</sup> , Br <sup>-</sup> , NO <sub>3</sub> <sup>-</sup> , NO <sub>2</sub> <sup>-</sup> , PO <sub>4</sub> <sup>3-</sup> , SO <sub>4</sub> <sup>2-</sup>	
<input type="checkbox"/> 8260 (VOA)	
<input type="checkbox"/> 8270 (Semi-VOA)	
<input type="checkbox"/> Total Coliform (Present/Absent)	

Date: 10/27/22 Time: 1900 Relinquished by: Aluminum  
 Date: 10/28/22 Time: 1100 Relinquished by: Aluminum  
 Received by: Aluminum Date: 10/28/22 Time: 930  
 Received by: See corner Date: 12/1/22 Time: 8:00

Remarks: CC: Chance Dixon  
Direct Bill 609

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



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

February 07, 2022

Monica Peppin

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX:

RE: Mallard

OrderNo.: 2201B31

Dear Monica Peppin:

Hall Environmental Analysis Laboratory received 27 sample(s) on 1/29/2022 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](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

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

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

**Analytical Report**

Lab Order **2201B31**

Date Reported: **2/7/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-31 0'

**Project:** Mallard

**Collection Date:** 1/27/2022 8:00:00 AM

**Lab ID:** 2201B31-001

**Matrix:** SOIL

**Received Date:** 1/29/2022 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	2/2/2022 4:21:16 PM	65332
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	2/1/2022 10:41:15 PM	65283
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/1/2022 10:41:15 PM	65283
Surr: DNOP	94.1	51.1-141		%Rec	1	2/1/2022 10:41:15 PM	65283
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/1/2022 1:01:04 PM	65273
Surr: BFB	116	70-130		%Rec	1	2/1/2022 1:01:04 PM	65273
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	2/1/2022 1:01:04 PM	65273
Toluene	ND	0.050		mg/Kg	1	2/1/2022 1:01:04 PM	65273
Ethylbenzene	ND	0.050		mg/Kg	1	2/1/2022 1:01:04 PM	65273
Xylenes, Total	ND	0.10		mg/Kg	1	2/1/2022 1:01:04 PM	65273
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	2/1/2022 1:01:04 PM	65273

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

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

**Analytical Report**

Lab Order 2201B31

Date Reported: 2/7/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-31 3'

**Project:** Mallard

**Collection Date:** 1/27/2022 8:10:00 AM

**Lab ID:** 2201B31-002

**Matrix:** SOIL

**Received Date:** 1/29/2022 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	560	60		mg/Kg	20	2/2/2022 4:58:30 PM	65332
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	2/1/2022 10:51:49 PM	65283
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/1/2022 10:51:49 PM	65283
Surr: DNOP	95.0	51.1-141		%Rec	1	2/1/2022 10:51:49 PM	65283
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/1/2022 2:12:22 PM	65273
Surr: BFB	114	70-130		%Rec	1	2/1/2022 2:12:22 PM	65273
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	2/1/2022 2:12:22 PM	65273
Toluene	ND	0.049		mg/Kg	1	2/1/2022 2:12:22 PM	65273
Ethylbenzene	ND	0.049		mg/Kg	1	2/1/2022 2:12:22 PM	65273
Xylenes, Total	ND	0.099		mg/Kg	1	2/1/2022 2:12:22 PM	65273
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	2/1/2022 2:12:22 PM	65273

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

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

**Analytical Report**

Lab Order 2201B31

Date Reported: 2/7/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-31 6'

**Project:** Mallard

**Collection Date:** 1/27/2022 8:20:00 AM

**Lab ID:** 2201B31-003

**Matrix:** SOIL

**Received Date:** 1/29/2022 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	410	59		mg/Kg	20	2/2/2022 5:10:54 PM	65332
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	2/1/2022 11:02:26 PM	65283
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/1/2022 11:02:26 PM	65283
Surr: DNOP	109	51.1-141		%Rec	1	2/1/2022 11:02:26 PM	65283
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/1/2022 3:23:56 PM	65273
Surr: BFB	114	70-130		%Rec	1	2/1/2022 3:23:56 PM	65273
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	2/1/2022 3:23:56 PM	65273
Toluene	ND	0.049		mg/Kg	1	2/1/2022 3:23:56 PM	65273
Ethylbenzene	ND	0.049		mg/Kg	1	2/1/2022 3:23:56 PM	65273
Xylenes, Total	ND	0.098		mg/Kg	1	2/1/2022 3:23:56 PM	65273
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	2/1/2022 3:23:56 PM	65273

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

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

**Analytical Report**

Lab Order 2201B31

Date Reported: 2/7/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-32 0'

**Project:** Mallard

**Collection Date:** 1/27/2022 8:30:00 AM

**Lab ID:** 2201B31-004

**Matrix:** SOIL

**Received Date:** 1/29/2022 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	2/2/2022 5:23:18 PM	65332
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	2/1/2022 11:13:02 PM	65283
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/1/2022 11:13:02 PM	65283
Surr: DNOP	84.3	51.1-141		%Rec	1	2/1/2022 11:13:02 PM	65283
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/1/2022 3:47:45 PM	65273
Surr: BFB	119	70-130		%Rec	1	2/1/2022 3:47:45 PM	65273
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	2/1/2022 3:47:45 PM	65273
Toluene	ND	0.049		mg/Kg	1	2/1/2022 3:47:45 PM	65273
Ethylbenzene	ND	0.049		mg/Kg	1	2/1/2022 3:47:45 PM	65273
Xylenes, Total	ND	0.098		mg/Kg	1	2/1/2022 3:47:45 PM	65273
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	1	2/1/2022 3:47:45 PM	65273

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

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

**Analytical Report**

Lab Order 2201B31

Date Reported: 2/7/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-32 3'

**Project:** Mallard

**Collection Date:** 1/27/2022 8:40:00 AM

**Lab ID:** 2201B31-005

**Matrix:** SOIL

**Received Date:** 1/29/2022 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	260	60		mg/Kg	20	2/2/2022 5:35:43 PM	65332
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	2/1/2022 11:23:39 PM	65283
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/1/2022 11:23:39 PM	65283
Surr: DNOP	87.3	51.1-141		%Rec	1	2/1/2022 11:23:39 PM	65283
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/1/2022 4:11:41 PM	65273
Surr: BFB	117	70-130		%Rec	1	2/1/2022 4:11:41 PM	65273
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	2/1/2022 4:11:41 PM	65273
Toluene	ND	0.049		mg/Kg	1	2/1/2022 4:11:41 PM	65273
Ethylbenzene	ND	0.049		mg/Kg	1	2/1/2022 4:11:41 PM	65273
Xylenes, Total	ND	0.098		mg/Kg	1	2/1/2022 4:11:41 PM	65273
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	1	2/1/2022 4:11:41 PM	65273

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

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

**Analytical Report**

Lab Order 2201B31

Date Reported: 2/7/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-32 6'

**Project:** Mallard

**Collection Date:** 1/27/2022 8:50:00 AM

**Lab ID:** 2201B31-006

**Matrix:** SOIL

**Received Date:** 1/29/2022 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	2/2/2022 6:12:58 PM	65332
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	2/1/2022 11:34:18 PM	65283
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/1/2022 11:34:18 PM	65283
Surr: DNOP	95.1	51.1-141		%Rec	1	2/1/2022 11:34:18 PM	65283
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/1/2022 4:35:33 PM	65273
Surr: BFB	116	70-130		%Rec	1	2/1/2022 4:35:33 PM	65273
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	2/1/2022 4:35:33 PM	65273
Toluene	ND	0.050		mg/Kg	1	2/1/2022 4:35:33 PM	65273
Ethylbenzene	ND	0.050		mg/Kg	1	2/1/2022 4:35:33 PM	65273
Xylenes, Total	ND	0.099		mg/Kg	1	2/1/2022 4:35:33 PM	65273
Surr: 4-Bromofluorobenzene	108	70-130		%Rec	1	2/1/2022 4:35:33 PM	65273

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

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

**Analytical Report**

Lab Order 2201B31

Date Reported: 2/7/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-33 0'

**Project:** Mallard

**Collection Date:** 1/27/2022 9:00:00 AM

**Lab ID:** 2201B31-007

**Matrix:** SOIL

**Received Date:** 1/29/2022 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	61		mg/Kg	20	2/2/2022 6:25:23 PM	65332
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	2/1/2022 11:44:58 PM	65283
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/1/2022 11:44:58 PM	65283
Surr: DNOP	76.1	51.1-141		%Rec	1	2/1/2022 11:44:58 PM	65283
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/1/2022 4:59:24 PM	65273
Surr: BFB	112	70-130		%Rec	1	2/1/2022 4:59:24 PM	65273
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	2/1/2022 4:59:24 PM	65273
Toluene	ND	0.049		mg/Kg	1	2/1/2022 4:59:24 PM	65273
Ethylbenzene	ND	0.049		mg/Kg	1	2/1/2022 4:59:24 PM	65273
Xylenes, Total	ND	0.099		mg/Kg	1	2/1/2022 4:59:24 PM	65273
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	2/1/2022 4:59:24 PM	65273

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

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

**Analytical Report**

Lab Order 2201B31

Date Reported: 2/7/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-33 3'

**Project:** Mallard

**Collection Date:** 1/27/2022 9:10:00 AM

**Lab ID:** 2201B31-008

**Matrix:** SOIL

**Received Date:** 1/29/2022 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	450	60		mg/Kg	20	2/2/2022 6:37:47 PM	65332
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	2/1/2022 11:55:40 PM	65283
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/1/2022 11:55:40 PM	65283
Surr: DNOP	96.5	51.1-141		%Rec	1	2/1/2022 11:55:40 PM	65283
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/1/2022 5:23:18 PM	65273
Surr: BFB	114	70-130		%Rec	1	2/1/2022 5:23:18 PM	65273
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	2/1/2022 5:23:18 PM	65273
Toluene	ND	0.050		mg/Kg	1	2/1/2022 5:23:18 PM	65273
Ethylbenzene	ND	0.050		mg/Kg	1	2/1/2022 5:23:18 PM	65273
Xylenes, Total	ND	0.10		mg/Kg	1	2/1/2022 5:23:18 PM	65273
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	2/1/2022 5:23:18 PM	65273

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

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

**Analytical Report**

Lab Order 2201B31

Date Reported: 2/7/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-33 6'

**Project:** Mallard

**Collection Date:** 1/27/2022 9:20:00 AM

**Lab ID:** 2201B31-009

**Matrix:** SOIL

**Received Date:** 1/29/2022 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	460	60		mg/Kg	20	2/2/2022 6:50:12 PM	65332
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	2/2/2022 12:06:19 AM	65283
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/2/2022 12:06:19 AM	65283
Surr: DNOP	86.6	51.1-141		%Rec	1	2/2/2022 12:06:19 AM	65283
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/1/2022 5:47:14 PM	65273
Surr: BFB	116	70-130		%Rec	1	2/1/2022 5:47:14 PM	65273
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	2/1/2022 5:47:14 PM	65273
Toluene	ND	0.049		mg/Kg	1	2/1/2022 5:47:14 PM	65273
Ethylbenzene	ND	0.049		mg/Kg	1	2/1/2022 5:47:14 PM	65273
Xylenes, Total	ND	0.098		mg/Kg	1	2/1/2022 5:47:14 PM	65273
Surr: 4-Bromofluorobenzene	109	70-130		%Rec	1	2/1/2022 5:47:14 PM	65273

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

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

**Analytical Report**

Lab Order **2201B31**

Date Reported: **2/7/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-34 0'

**Project:** Mallard

**Collection Date:** 1/27/2022 9:30:00 AM

**Lab ID:** 2201B31-010

**Matrix:** SOIL

**Received Date:** 1/29/2022 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	110	60		mg/Kg	20	2/2/2022 7:02:37 PM	65332
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	2/2/2022 12:17:01 AM	65283
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/2/2022 12:17:01 AM	65283
Surr: DNOP	92.3	51.1-141		%Rec	1	2/2/2022 12:17:01 AM	65283
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/1/2022 8:10:23 PM	65273
Surr: BFB	115	70-130		%Rec	1	2/1/2022 8:10:23 PM	65273
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	2/1/2022 8:10:23 PM	65273
Toluene	ND	0.050		mg/Kg	1	2/1/2022 8:10:23 PM	65273
Ethylbenzene	ND	0.050		mg/Kg	1	2/1/2022 8:10:23 PM	65273
Xylenes, Total	ND	0.10		mg/Kg	1	2/1/2022 8:10:23 PM	65273
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	2/1/2022 8:10:23 PM	65273

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

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

**Analytical Report**

Lab Order 2201B31

Date Reported: 2/7/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-34 3'

**Project:** Mallard

**Collection Date:** 1/27/2022 9:40:00 AM

**Lab ID:** 2201B31-011

**Matrix:** SOIL

**Received Date:** 1/29/2022 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	61		mg/Kg	20	2/2/2022 7:15:01 PM	65332
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	2/2/2022 12:27:45 AM	65283
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	2/2/2022 12:27:45 AM	65283
Surr: DNOP	115	51.1-141		%Rec	1	2/2/2022 12:27:45 AM	65283
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/1/2022 8:34:10 PM	65273
Surr: BFB	113	70-130		%Rec	1	2/1/2022 8:34:10 PM	65273
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	2/1/2022 8:34:10 PM	65273
Toluene	ND	0.050		mg/Kg	1	2/1/2022 8:34:10 PM	65273
Ethylbenzene	ND	0.050		mg/Kg	1	2/1/2022 8:34:10 PM	65273
Xylenes, Total	ND	0.099		mg/Kg	1	2/1/2022 8:34:10 PM	65273
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	2/1/2022 8:34:10 PM	65273

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

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

**Analytical Report**

Lab Order 2201B31

Date Reported: 2/7/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-34 6'

**Project:** Mallard

**Collection Date:** 1/27/2022 9:50:00 AM

**Lab ID:** 2201B31-012

**Matrix:** SOIL

**Received Date:** 1/29/2022 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	2/2/2022 7:27:25 PM	65332
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	2/2/2022 12:38:29 AM	65283
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/2/2022 12:38:29 AM	65283
Surr: DNOP	97.4	51.1-141		%Rec	1	2/2/2022 12:38:29 AM	65283
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/1/2022 8:57:52 PM	65273
Surr: BFB	114	70-130		%Rec	1	2/1/2022 8:57:52 PM	65273
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	2/1/2022 8:57:52 PM	65273
Toluene	ND	0.049		mg/Kg	1	2/1/2022 8:57:52 PM	65273
Ethylbenzene	ND	0.049		mg/Kg	1	2/1/2022 8:57:52 PM	65273
Xylenes, Total	ND	0.098		mg/Kg	1	2/1/2022 8:57:52 PM	65273
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	2/1/2022 8:57:52 PM	65273

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

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

**Analytical Report**

Lab Order 2201B31

Date Reported: 2/7/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-35 0'

**Project:** Mallard

**Collection Date:** 1/27/2022 10:00:00 AM

**Lab ID:** 2201B31-013

**Matrix:** SOIL

**Received Date:** 1/29/2022 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	2/2/2022 7:39:50 PM	65332
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	2/2/2022 12:49:13 AM	65283
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/2/2022 12:49:13 AM	65283
Surr: DNOP	93.6	51.1-141		%Rec	1	2/2/2022 12:49:13 AM	65283
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/1/2022 9:21:35 PM	65273
Surr: BFB	112	70-130		%Rec	1	2/1/2022 9:21:35 PM	65273
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	2/1/2022 9:21:35 PM	65273
Toluene	ND	0.049		mg/Kg	1	2/1/2022 9:21:35 PM	65273
Ethylbenzene	ND	0.049		mg/Kg	1	2/1/2022 9:21:35 PM	65273
Xylenes, Total	ND	0.099		mg/Kg	1	2/1/2022 9:21:35 PM	65273
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	2/1/2022 9:21:35 PM	65273

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

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

**Analytical Report**

Lab Order **2201B31**

Date Reported: **2/7/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-35 3'

**Project:** Mallard

**Collection Date:** 1/27/2022 10:10:00 AM

**Lab ID:** 2201B31-014

**Matrix:** SOIL

**Received Date:** 1/29/2022 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	460	60		mg/Kg	20	2/2/2022 7:52:15 PM	65332
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	2/2/2022 12:59:57 AM	65283
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/2/2022 12:59:57 AM	65283
Surr: DNOP	96.9	51.1-141		%Rec	1	2/2/2022 12:59:57 AM	65283
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/1/2022 9:45:15 PM	65273
Surr: BFB	113	70-130		%Rec	1	2/1/2022 9:45:15 PM	65273
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	2/1/2022 9:45:15 PM	65273
Toluene	ND	0.050		mg/Kg	1	2/1/2022 9:45:15 PM	65273
Ethylbenzene	ND	0.050		mg/Kg	1	2/1/2022 9:45:15 PM	65273
Xylenes, Total	ND	0.099		mg/Kg	1	2/1/2022 9:45:15 PM	65273
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	2/1/2022 9:45:15 PM	65273

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

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

**Analytical Report**

Lab Order 2201B31

Date Reported: 2/7/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-35 6'

**Project:** Mallard

**Collection Date:** 1/27/2022 10:20:00 AM

**Lab ID:** 2201B31-015

**Matrix:** SOIL

**Received Date:** 1/29/2022 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	120	60		mg/Kg	20	2/2/2022 8:41:53 PM	65343
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	2/2/2022 1:10:53 AM	65283
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/2/2022 1:10:53 AM	65283
Surr: DNOP	104	51.1-141		%Rec	1	2/2/2022 1:10:53 AM	65283
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/1/2022 10:09:03 PM	65273
Surr: BFB	116	70-130		%Rec	1	2/1/2022 10:09:03 PM	65273
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	2/1/2022 10:09:03 PM	65273
Toluene	ND	0.050		mg/Kg	1	2/1/2022 10:09:03 PM	65273
Ethylbenzene	ND	0.050		mg/Kg	1	2/1/2022 10:09:03 PM	65273
Xylenes, Total	ND	0.10		mg/Kg	1	2/1/2022 10:09:03 PM	65273
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	1	2/1/2022 10:09:03 PM	65273

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

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

**Analytical Report**

Lab Order 2201B31

Date Reported: 2/7/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-36 0'

**Project:** Mallard

**Collection Date:** 1/27/2022 10:30:00 AM

**Lab ID:** 2201B31-016

**Matrix:** SOIL

**Received Date:** 1/29/2022 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	9000	300		mg/Kg	100	2/3/2022 12:25:12 PM	65343
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	2/2/2022 12:30:28 PM	65284
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	2/2/2022 12:30:28 PM	65284
Surr: DNOP	76.2	51.1-141		%Rec	1	2/2/2022 12:30:28 PM	65284
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/1/2022 10:32:41 PM	65273
Surr: BFB	113	70-130		%Rec	1	2/1/2022 10:32:41 PM	65273
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	2/1/2022 10:32:41 PM	65273
Toluene	ND	0.049		mg/Kg	1	2/1/2022 10:32:41 PM	65273
Ethylbenzene	ND	0.049		mg/Kg	1	2/1/2022 10:32:41 PM	65273
Xylenes, Total	ND	0.098		mg/Kg	1	2/1/2022 10:32:41 PM	65273
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	2/1/2022 10:32:41 PM	65273

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

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

**Analytical Report**

Lab Order **2201B31**

Date Reported: **2/7/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-36 6'

**Project:** Mallard

**Collection Date:** 1/27/2022 10:40:00 AM

**Lab ID:** 2201B31-017

**Matrix:** SOIL

**Received Date:** 1/29/2022 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	1700	60		mg/Kg	20	2/2/2022 9:06:42 PM	65343
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	2/2/2022 12:49:25 AM	65284
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	2/2/2022 12:49:25 AM	65284
Surr: DNOP	86.6	51.1-141		%Rec	1	2/2/2022 12:49:25 AM	65284
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/1/2022 10:56:17 PM	65273
Surr: BFB	112	70-130		%Rec	1	2/1/2022 10:56:17 PM	65273
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	2/1/2022 10:56:17 PM	65273
Toluene	ND	0.050		mg/Kg	1	2/1/2022 10:56:17 PM	65273
Ethylbenzene	ND	0.050		mg/Kg	1	2/1/2022 10:56:17 PM	65273
Xylenes, Total	ND	0.099		mg/Kg	1	2/1/2022 10:56:17 PM	65273
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	2/1/2022 10:56:17 PM	65273

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

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

**Analytical Report**

Lab Order **2201B31**

Date Reported: **2/7/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-36 12'

**Project:** Mallard

**Collection Date:** 1/27/2022 10:50:00 AM

**Lab ID:** 2201B31-018

**Matrix:** SOIL

**Received Date:** 1/29/2022 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	2400	60		mg/Kg	20	2/2/2022 9:19:07 PM	65343
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	2/2/2022 1:13:15 AM	65284
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/2/2022 1:13:15 AM	65284
Surr: DNOP	90.0	51.1-141		%Rec	1	2/2/2022 1:13:15 AM	65284
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/1/2022 11:19:51 PM	65273
Surr: BFB	115	70-130		%Rec	1	2/1/2022 11:19:51 PM	65273
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	2/1/2022 11:19:51 PM	65273
Toluene	ND	0.050		mg/Kg	1	2/1/2022 11:19:51 PM	65273
Ethylbenzene	ND	0.050		mg/Kg	1	2/1/2022 11:19:51 PM	65273
Xylenes, Total	ND	0.099		mg/Kg	1	2/1/2022 11:19:51 PM	65273
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	2/1/2022 11:19:51 PM	65273

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

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

**Analytical Report**

Lab Order **2201B31**

Date Reported: **2/7/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-37 0'

**Project:** Mallard

**Collection Date:** 1/27/2022 11:00:00 AM

**Lab ID:** 2201B31-019

**Matrix:** SOIL

**Received Date:** 1/29/2022 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	5600	300		mg/Kg	100	2/3/2022 12:37:36 PM	65343
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	2/2/2022 1:37:08 AM	65284
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/2/2022 1:37:08 AM	65284
Surr: DNOP	73.7	51.1-141		%Rec	1	2/2/2022 1:37:08 AM	65284
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/1/2022 11:43:25 PM	65273
Surr: BFB	115	70-130		%Rec	1	2/1/2022 11:43:25 PM	65273
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	2/1/2022 11:43:25 PM	65273
Toluene	ND	0.050		mg/Kg	1	2/1/2022 11:43:25 PM	65273
Ethylbenzene	ND	0.050		mg/Kg	1	2/1/2022 11:43:25 PM	65273
Xylenes, Total	ND	0.10		mg/Kg	1	2/1/2022 11:43:25 PM	65273
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	2/1/2022 11:43:25 PM	65273

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

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

**Analytical Report**

Lab Order 2201B31

Date Reported: 2/7/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-37 6'

**Project:** Mallard

**Collection Date:** 1/27/2022 11:10:00 AM

**Lab ID:** 2201B31-020

**Matrix:** SOIL

**Received Date:** 1/29/2022 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	1000	60		mg/Kg	20	2/2/2022 9:43:56 PM	65343
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	2/2/2022 2:00:55 AM	65284
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	2/2/2022 2:00:55 AM	65284
Surr: DNOP	77.4	51.1-141		%Rec	1	2/2/2022 2:00:55 AM	65284
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/2/2022 12:30:36 AM	65273
Surr: BFB	109	70-130		%Rec	1	2/2/2022 12:30:36 AM	65273
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	2/2/2022 12:30:36 AM	65273
Toluene	ND	0.049		mg/Kg	1	2/2/2022 12:30:36 AM	65273
Ethylbenzene	ND	0.049		mg/Kg	1	2/2/2022 12:30:36 AM	65273
Xylenes, Total	ND	0.099		mg/Kg	1	2/2/2022 12:30:36 AM	65273
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	2/2/2022 12:30:36 AM	65273

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

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

**Analytical Report**

Lab Order 2201B31

Date Reported: 2/7/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-37 12'

**Project:** Mallard

**Collection Date:** 1/27/2022 11:20:00 AM

**Lab ID:** 2201B31-021

**Matrix:** SOIL

**Received Date:** 1/29/2022 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	1400	60		mg/Kg	20	2/2/2022 9:56:20 PM	65343
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	2/2/2022 2:24:38 AM	65284
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/2/2022 2:24:38 AM	65284
Surr: DNOP	71.4	51.1-141		%Rec	1	2/2/2022 2:24:38 AM	65284
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/1/2022 12:24:00 PM	65274
Surr: BFB	97.7	70-130		%Rec	1	2/1/2022 12:24:00 PM	65274
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	2/1/2022 12:24:00 PM	65274
Toluene	ND	0.050		mg/Kg	1	2/1/2022 12:24:00 PM	65274
Ethylbenzene	ND	0.050		mg/Kg	1	2/1/2022 12:24:00 PM	65274
Xylenes, Total	ND	0.10		mg/Kg	1	2/1/2022 12:24:00 PM	65274
Surr: 4-Bromofluorobenzene	91.6	70-130		%Rec	1	2/1/2022 12:24:00 PM	65274

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

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

**Analytical Report**

Lab Order 2201B31

Date Reported: 2/7/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-38 0'

**Project:** Mallard

**Collection Date:** 1/27/2022 11:30:00 AM

**Lab ID:** 2201B31-022

**Matrix:** SOIL

**Received Date:** 1/29/2022 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	7000	300		mg/Kg	100	2/3/2022 12:50:01 PM	65343
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	11	9.9		mg/Kg	1	2/2/2022 2:48:19 AM	65284
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/2/2022 2:48:19 AM	65284
Surr: DNOP	73.5	51.1-141		%Rec	1	2/2/2022 2:48:19 AM	65284
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/1/2022 1:23:00 PM	65274
Surr: BFB	101	70-130		%Rec	1	2/1/2022 1:23:00 PM	65274
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	2/1/2022 1:23:00 PM	65274
Toluene	ND	0.050		mg/Kg	1	2/1/2022 1:23:00 PM	65274
Ethylbenzene	ND	0.050		mg/Kg	1	2/1/2022 1:23:00 PM	65274
Xylenes, Total	ND	0.099		mg/Kg	1	2/1/2022 1:23:00 PM	65274
Surr: 4-Bromofluorobenzene	92.6	70-130		%Rec	1	2/1/2022 1:23:00 PM	65274

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

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

**Analytical Report**

Lab Order 2201B31

Date Reported: 2/7/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-38 6'

**Project:** Mallard

**Collection Date:** 1/27/2022 11:40:00 AM

**Lab ID:** 2201B31-023

**Matrix:** SOIL

**Received Date:** 1/29/2022 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	410	60		mg/Kg	20	2/2/2022 10:21:10 PM	65343
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	2/2/2022 3:11:56 AM	65284
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/2/2022 3:11:56 AM	65284
Surr: DNOP	82.6	51.1-141		%Rec	1	2/2/2022 3:11:56 AM	65284
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/1/2022 2:23:00 PM	65274
Surr: BFB	102	70-130		%Rec	1	2/1/2022 2:23:00 PM	65274
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	2/1/2022 2:23:00 PM	65274
Toluene	ND	0.048		mg/Kg	1	2/1/2022 2:23:00 PM	65274
Ethylbenzene	ND	0.048		mg/Kg	1	2/1/2022 2:23:00 PM	65274
Xylenes, Total	ND	0.096		mg/Kg	1	2/1/2022 2:23:00 PM	65274
Surr: 4-Bromofluorobenzene	94.8	70-130		%Rec	1	2/1/2022 2:23:00 PM	65274

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

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

**Analytical Report**

Lab Order 2201B31

Date Reported: 2/7/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-38 12'

**Project:** Mallard

**Collection Date:** 1/27/2022 11:50:00 AM

**Lab ID:** 2201B31-024

**Matrix:** SOIL

**Received Date:** 1/29/2022 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	130	60		mg/Kg	20	2/2/2022 10:33:34 PM	65343
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	2/2/2022 3:35:31 AM	65284
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/2/2022 3:35:31 AM	65284
Surr: DNOP	74.6	51.1-141		%Rec	1	2/2/2022 3:35:31 AM	65284
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/1/2022 3:22:00 PM	65274
Surr: BFB	97.2	70-130		%Rec	1	2/1/2022 3:22:00 PM	65274
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	2/1/2022 3:22:00 PM	65274
Toluene	ND	0.049		mg/Kg	1	2/1/2022 3:22:00 PM	65274
Ethylbenzene	ND	0.049		mg/Kg	1	2/1/2022 3:22:00 PM	65274
Xylenes, Total	ND	0.098		mg/Kg	1	2/1/2022 3:22:00 PM	65274
Surr: 4-Bromofluorobenzene	90.8	70-130		%Rec	1	2/1/2022 3:22:00 PM	65274

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

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

**Analytical Report**

Lab Order 2201B31

Date Reported: 2/7/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-39 0'

**Project:** Mallard

**Collection Date:** 1/27/2022 12:00:00 PM

**Lab ID:** 2201B31-025

**Matrix:** SOIL

**Received Date:** 1/29/2022 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	15000	600		mg/Kg	200	2/3/2022 1:02:26 PM	65343
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	2/2/2022 3:59:10 AM	65284
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/2/2022 3:59:10 AM	65284
Surr: DNOP	71.2	51.1-141		%Rec	1	2/2/2022 3:59:10 AM	65284
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/1/2022 3:42:00 PM	65274
Surr: BFB	94.5	70-130		%Rec	1	2/1/2022 3:42:00 PM	65274
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	2/1/2022 3:42:00 PM	65274
Toluene	ND	0.049		mg/Kg	1	2/1/2022 3:42:00 PM	65274
Ethylbenzene	ND	0.049		mg/Kg	1	2/1/2022 3:42:00 PM	65274
Xylenes, Total	ND	0.099		mg/Kg	1	2/1/2022 3:42:00 PM	65274
Surr: 4-Bromofluorobenzene	91.3	70-130		%Rec	1	2/1/2022 3:42:00 PM	65274

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

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

**Analytical Report**

Lab Order **2201B31**

Date Reported: **2/7/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-39 6'

**Project:** Mallard

**Collection Date:** 1/27/2022 12:10:00 PM

**Lab ID:** 2201B31-026

**Matrix:** SOIL

**Received Date:** 1/29/2022 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	3200	150		mg/Kg	50	2/3/2022 1:14:51 PM	65343
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	2/2/2022 4:46:26 AM	65284
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/2/2022 4:46:26 AM	65284
Surr: DNOP	71.1	51.1-141		%Rec	1	2/2/2022 4:46:26 AM	65284
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/1/2022 4:02:00 PM	65274
Surr: BFB	98.0	70-130		%Rec	1	2/1/2022 4:02:00 PM	65274
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	2/1/2022 4:02:00 PM	65274
Toluene	ND	0.050		mg/Kg	1	2/1/2022 4:02:00 PM	65274
Ethylbenzene	ND	0.050		mg/Kg	1	2/1/2022 4:02:00 PM	65274
Xylenes, Total	ND	0.099		mg/Kg	1	2/1/2022 4:02:00 PM	65274
Surr: 4-Bromofluorobenzene	93.6	70-130		%Rec	1	2/1/2022 4:02:00 PM	65274

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

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

**Analytical Report**

Lab Order 2201B31

Date Reported: 2/7/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-39 12'

**Project:** Mallard

**Collection Date:** 1/27/2022 12:20:00 PM

**Lab ID:** 2201B31-027

**Matrix:** SOIL

**Received Date:** 1/29/2022 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	1700	60		mg/Kg	20	2/2/2022 11:35:38 PM	65343
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	2/2/2022 5:10:04 AM	65284
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/2/2022 5:10:04 AM	65284
Surr: DNOP	80.8	51.1-141		%Rec	1	2/2/2022 5:10:04 AM	65284
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/1/2022 4:22:00 PM	65274
Surr: BFB	103	70-130		%Rec	1	2/1/2022 4:22:00 PM	65274
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	2/1/2022 4:22:00 PM	65274
Toluene	ND	0.050		mg/Kg	1	2/1/2022 4:22:00 PM	65274
Ethylbenzene	ND	0.050		mg/Kg	1	2/1/2022 4:22:00 PM	65274
Xylenes, Total	ND	0.099		mg/Kg	1	2/1/2022 4:22:00 PM	65274
Surr: 4-Bromofluorobenzene	95.7	70-130		%Rec	1	2/1/2022 4:22:00 PM	65274

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

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2201B31

07-Feb-22

**Client:** EOG  
**Project:** Mallard

Sample ID: <b>MB-65332</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65332</b>	RunNo: <b>85584</b>								
Prep Date: <b>2/2/2022</b>	Analysis Date: <b>2/2/2022</b>	SeqNo: <b>3012470</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-65332</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65332</b>	RunNo: <b>85584</b>								
Prep Date: <b>2/2/2022</b>	Analysis Date: <b>2/2/2022</b>	SeqNo: <b>3012471</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.4	90	110			

Sample ID: <b>MB-65343</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65343</b>	RunNo: <b>85611</b>								
Prep Date: <b>2/2/2022</b>	Analysis Date: <b>2/3/2022</b>	SeqNo: <b>3013619</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-65343</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65343</b>	RunNo: <b>85611</b>								
Prep Date: <b>2/2/2022</b>	Analysis Date: <b>2/3/2022</b>	SeqNo: <b>3013620</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.3	90	110			

**Qualifiers:**

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2201B31

07-Feb-22

**Client:** EOG  
**Project:** Mallard

Sample ID: <b>MB-65285</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65285</b>	RunNo: <b>85537</b>								
Prep Date: <b>1/31/2022</b>	Analysis Date: <b>2/1/2022</b>	SeqNo: <b>3011397</b>	Units: <b>%Rec</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10		10.00		100	51.1	141			

Sample ID: <b>LCS-65285</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65285</b>	RunNo: <b>85537</b>								
Prep Date: <b>1/31/2022</b>	Analysis Date: <b>2/1/2022</b>	SeqNo: <b>3011398</b>	Units: <b>%Rec</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.6		5.000		92.6	51.1	141			

Sample ID: <b>MB-65283</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65283</b>	RunNo: <b>85537</b>								
Prep Date: <b>1/31/2022</b>	Analysis Date: <b>2/1/2022</b>	SeqNo: <b>3011399</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.3		10.00		92.9	51.1	141			

Sample ID: <b>LCS-65283</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65283</b>	RunNo: <b>85537</b>								
Prep Date: <b>1/31/2022</b>	Analysis Date: <b>2/1/2022</b>	SeqNo: <b>3011400</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	99.4	68.9	135			
Surr: DNOP	4.1		5.000		82.0	51.1	141			

Sample ID: <b>MB-65284</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65284</b>	RunNo: <b>85537</b>								
Prep Date: <b>1/31/2022</b>	Analysis Date: <b>2/1/2022</b>	SeqNo: <b>3011403</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	7.8		10.00		78.4	51.1	141			

Sample ID: <b>LCS-65284</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65284</b>	RunNo: <b>85537</b>								
Prep Date: <b>1/31/2022</b>	Analysis Date: <b>2/1/2022</b>	SeqNo: <b>3011404</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E 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#: 2201B31

07-Feb-22

**Client:** EOG  
**Project:** Mallard

Sample ID: <b>LCS-65284</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>65284</b>		RunNo: <b>85537</b>							
Prep Date: <b>1/31/2022</b>	Analysis Date: <b>2/1/2022</b>		SeqNo: <b>3011404</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	89.0	68.9	135			
Surr: DNOP	3.4		5.000		68.1	51.1	141			

Sample ID: <b>LCS-65337</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>65337</b>		RunNo: <b>85590</b>							
Prep Date: <b>2/2/2022</b>	Analysis Date: <b>2/3/2022</b>		SeqNo: <b>3013026</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.1		5.000		81.4	51.1	141			

Sample ID: <b>MB-65337</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>PBS</b>	Batch ID: <b>65337</b>		RunNo: <b>85590</b>							
Prep Date: <b>2/2/2022</b>	Analysis Date: <b>2/3/2022</b>		SeqNo: <b>3013028</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.2		10.00		91.8	51.1	141			

**Qualifiers:**

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2201B31

07-Feb-22

**Client:** EOG  
**Project:** Mallard

Sample ID: <b>mb-65273</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65273</b>	RunNo: <b>85541</b>								
Prep Date: <b>1/29/2022</b>	Analysis Date: <b>2/1/2022</b>	SeqNo: <b>3010787</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		110	70	130			

Sample ID: <b>lcs-65273</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65273</b>	RunNo: <b>85541</b>								
Prep Date: <b>1/29/2022</b>	Analysis Date: <b>2/1/2022</b>	SeqNo: <b>3010788</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	93.0	78.6	131			
Surr: BFB	1200		1000		120	70	130			

Sample ID: <b>mb-65288</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65288</b>	RunNo: <b>85541</b>								
Prep Date: <b>1/31/2022</b>	Analysis Date: <b>2/2/2022</b>	SeqNo: <b>3010823</b>	Units: <b>%Rec</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100		1000		108	70	130			

Sample ID: <b>lcs-65288</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65288</b>	RunNo: <b>85541</b>								
Prep Date: <b>1/31/2022</b>	Analysis Date: <b>2/2/2022</b>	SeqNo: <b>3010824</b>	Units: <b>%Rec</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1200		1000		120	70	130			

Sample ID: <b>mb-65274</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65274</b>	RunNo: <b>85543</b>								
Prep Date: <b>1/29/2022</b>	Analysis Date: <b>2/1/2022</b>	SeqNo: <b>3010878</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	960		1000		96.1	70	130			

Sample ID: <b>mb-65275</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65275</b>	RunNo: <b>85543</b>								
Prep Date: <b>1/29/2022</b>	Analysis Date: <b>2/1/2022</b>	SeqNo: <b>3010879</b>	Units: <b>%Rec</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	970		1000		97.0	70	130			

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix 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#: 2201B31

07-Feb-22

**Client:** EOG  
**Project:** Mallard

Sample ID: <b>ics-65274</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>65274</b>		RunNo: <b>85543</b>							
Prep Date: <b>1/29/2022</b>	Analysis Date: <b>2/1/2022</b>		SeqNo: <b>3010880</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	108	78.6	131			
Surr: BFB	1100		1000		111	70	130			

Sample ID: <b>ics-65275</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>65275</b>		RunNo: <b>85543</b>							
Prep Date: <b>1/29/2022</b>	Analysis Date: <b>2/1/2022</b>		SeqNo: <b>3010881</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100		1000		106	70	130			

Sample ID: <b>mb-65316</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>65316</b>		RunNo: <b>85580</b>							
Prep Date: <b>2/1/2022</b>	Analysis Date: <b>2/3/2022</b>		SeqNo: <b>3012262</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100		1000		107	70	130			

Sample ID: <b>ics-65316</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>65316</b>		RunNo: <b>85580</b>							
Prep Date: <b>2/1/2022</b>	Analysis Date: <b>2/2/2022</b>		SeqNo: <b>3012263</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1200		1000		117	70	130			

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix 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#: 2201B31

07-Feb-22

**Client:** EOG  
**Project:** Mallard

Sample ID: <b>mb-65273</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65273</b>	RunNo: <b>85541</b>								
Prep Date: <b>1/29/2022</b>	Analysis Date: <b>2/1/2022</b>	SeqNo: <b>3010836</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		104	70	130			

Sample ID: <b>LCS-65273</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65273</b>	RunNo: <b>85541</b>								
Prep Date: <b>1/29/2022</b>	Analysis Date: <b>2/1/2022</b>	SeqNo: <b>3010837</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	1.000	0	93.6	80	120			
Toluene	0.97	0.050	1.000	0	96.6	80	120			
Ethylbenzene	0.98	0.050	1.000	0	98.4	80	120			
Xylenes, Total	3.0	0.10	3.000	0	98.6	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		106	70	130			

Sample ID: <b>mb-65274</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65274</b>	RunNo: <b>85543</b>								
Prep Date: <b>1/29/2022</b>	Analysis Date: <b>2/1/2022</b>	SeqNo: <b>3010926</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.91		1.000		91.1	70	130			

Sample ID: <b>mb-65275</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65275</b>	RunNo: <b>85543</b>								
Prep Date: <b>1/29/2022</b>	Analysis Date: <b>2/1/2022</b>	SeqNo: <b>3010927</b>	Units: <b>%Rec</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.89		1.000		89.4	70	130			

Sample ID: <b>lcs-65274</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65274</b>	RunNo: <b>85543</b>								
Prep Date: <b>1/29/2022</b>	Analysis Date: <b>2/1/2022</b>	SeqNo: <b>3010928</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

**Qualifiers:**

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2201B31

07-Feb-22

**Client:** EOG  
**Project:** Mallard

Sample ID: <b>Ics-65274</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>65274</b>		RunNo: <b>85543</b>							
Prep Date: <b>1/29/2022</b>	Analysis Date: <b>2/1/2022</b>		SeqNo: <b>3010928</b>				Units: <b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	95.3	80	120			
Toluene	0.96	0.050	1.000	0	96.1	80	120			
Ethylbenzene	0.96	0.050	1.000	0	95.7	80	120			
Xylenes, Total	2.9	0.10	3.000	0	95.4	80	120			
Surr: 4-Bromofluorobenzene	0.90		1.000		90.1	70	130			

Sample ID: <b>Ics-65275</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>65275</b>		RunNo: <b>85543</b>							
Prep Date: <b>1/29/2022</b>	Analysis Date: <b>2/1/2022</b>		SeqNo: <b>3010929</b>				Units: <b>%Rec</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.87		1.000		87.0	70	130			

Sample ID: <b>mb-65316</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>PBS</b>	Batch ID: <b>65316</b>		RunNo: <b>85580</b>							
Prep Date: <b>2/1/2022</b>	Analysis Date: <b>2/3/2022</b>		SeqNo: <b>3012274</b>				Units: <b>%Rec</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1.000		100	70	130			

Sample ID: <b>LCS-65316</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>65316</b>		RunNo: <b>85580</b>							
Prep Date: <b>2/1/2022</b>	Analysis Date: <b>2/3/2022</b>		SeqNo: <b>3012275</b>				Units: <b>%Rec</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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 Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



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: EOG Work Order Number: 2201B31 RcptNo: 1

Received By: Sean Livingston 1/29/2022 9:00:00 AM
Completed By: Sean Livingston 1/29/2022 9:45:58 AM
Reviewed By: See 1/29/22

Handwritten signatures of Sean Livingston

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [ ] Not Present [ ]
2. How was the sample delivered? Courier

Log In

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

# of preserved bottles checked for pH:
(<2 or >12 unless noted)
Adjusted?
Checked by: See 1/29/22

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [ ] No [ ] NA [checked]

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

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 2.0, Good, [ ], [ ], [ ], [ ]

# Chain-of-Custody Record

Client: EOG

Mailing Address: on file

Phone #: \_\_\_\_\_

email or Fax#: \_\_\_\_\_

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

Accreditation:  Az Compliance  NELAC  Other

EDD (Type) \_\_\_\_\_

Turn-Around Time: 5-Day

Standard  Rush

Project Name: Maillard

Project #: 22E-00123-008

Project Manager: MONICA PERPIN

Sampler: CHARLE DIXON

On Ice:  Yes  No

# of Coolers: 1

Cooler Temp (including CF): 1.9 to 0.1 - 2.0 (°C)

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
9/27	8:00	SOIL	BH22-31 0'	4 OZ	ICE	2201B31
	8:10		BH22-31 3'			001
	8:20		BH22-31 6'			002
	8:30		BH22-32 0'			003
	8:40		BH22-32 3'			004
	8:50		BH22-32 6'			005
	9:00		BH22-33 0'			006
	9:10		BH22-33 3'			007
	9:20		BH22-33 6'			008
	9:30		BH22-34 0'			009
	9:40		BH22-34 3'			010
	9:50		BH22-34 6'			011
						012

Analysis Request

<input checked="" type="checkbox"/> BTEX	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	C, F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub>	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
--	----------------------------	----------------------------	--------------------	--------------------------	---------------	---	------------	-----------------	---------------------------------

Received by: Admin Date: 1/29/22 Time: 9:30

Relinquished by: Admin Date: 1/29/22 Time: 9:50

Remarks: CC: Charle Dixon, Monica Perpin  
Direct Bill EOG Resources

# Chain-of-Custody Record

Client: EOG

Mailing Address: On File

Phone #: \_\_\_\_\_  
 email or Fax#: \_\_\_\_\_

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

Accreditation:  Az Compliance  NELAC  Other

EDD (Type) \_\_\_\_\_

Turn-Around Time: 5-10 days

Standard  Rush

Project Name: Mallard

Project #: 22E-00123-008

Project Manager: Monica Reppin

Sampler: Chance Dixon

On Ice:  Yes  No

# of Coolers: \_\_\_\_\_

Cooler Temp (including CF): 1.9 to 1 = 2.0 (°C)

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
9/27	10:00	Soil	BH22-35 0'	4102	ICL	013
	10:10		BH22-35 3'			014
	10:20		BH22-35 6'			015
	10:30		BH22-35 0'			014
	10:40		BH22-36 6'			017
	10:50		BH22-36 12'			018
	11:00		BH22-37 0'			019
	11:10		BH22-37 6'			020
	11:20		BH22-37 12'			021
	11:30		BH22-38 0'			022
	11:40		BH22-38 6'			023
	11:50		BH22-38 12'			024

Received by: Murphy Date: 10/27 9:00

Relinquished by: EOG Date: 1/24/22 9:00



**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

**Analysis Request**

<input checked="" type="checkbox"/> BTEX / MTBE / TMB's (8021)	<input checked="" type="checkbox"/> TFH:8015D(GRO / DRO / MRO)	<input checked="" type="checkbox"/> 8081 Pesticides/8082 PCB's	<input checked="" type="checkbox"/> EDB (Method 504.1)	<input checked="" type="checkbox"/> PAHs by 8310 or 8270SIMS	<input checked="" type="checkbox"/> RCRA 8 Metals	<input checked="" type="checkbox"/> Cl, F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub>	<input checked="" type="checkbox"/> 8260 (VOA)	<input checked="" type="checkbox"/> 8270 (Semi-VOA)	<input type="checkbox"/> Total Coliform (Present/Absent)
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Remarks: CC: Chance Dixon

Direct Bill EOG Resources





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

February 16, 2022

Monica Peppin

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX

RE: Mallard

OrderNo.: 2202078

Dear Monica Peppin:

Hall Environmental Analysis Laboratory received 15 sample(s) on 2/2/2022 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](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

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

Sincerely,

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

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

**Analytical Report**

Lab Order **2202078**

Date Reported: **2/16/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-40 0'

**Project:** Mallard

**Collection Date:** 1/31/2022 8:00:00 AM

**Lab ID:** 2202078-001

**Matrix:** SOIL

**Received Date:** 2/2/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	2/7/2022 2:34:27 PM	65398
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	18	9.6		mg/Kg	1	2/4/2022 2:16:59 PM	65370
Motor Oil Range Organics (MRO)	150	48		mg/Kg	1	2/4/2022 2:16:59 PM	65370
Surr: DNOP	104	51.1-141		%Rec	1	2/4/2022 2:16:59 PM	65370
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/3/2022 6:44:05 PM	65342
Surr: BFB	109	70-130		%Rec	1	2/3/2022 6:44:05 PM	65342
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	2/3/2022 6:44:05 PM	65342
Toluene	ND	0.049		mg/Kg	1	2/3/2022 6:44:05 PM	65342
Ethylbenzene	ND	0.049		mg/Kg	1	2/3/2022 6:44:05 PM	65342
Xylenes, Total	ND	0.099		mg/Kg	1	2/3/2022 6:44:05 PM	65342
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	2/3/2022 6:44:05 PM	65342

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

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

**Analytical Report**

Lab Order **2202078**

Date Reported: **2/16/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-40 3'

**Project:** Mallard

**Collection Date:** 1/31/2022 8:05:00 AM

**Lab ID:** 2202078-002

**Matrix:** SOIL

**Received Date:** 2/2/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	2/7/2022 3:36:27 PM	65398
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	2/4/2022 12:09:17 PM	65370
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/4/2022 12:09:17 PM	65370
Surr: DNOP	98.2	51.1-141		%Rec	1	2/4/2022 12:09:17 PM	65370
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/3/2022 7:07:30 PM	65342
Surr: BFB	107	70-130		%Rec	1	2/3/2022 7:07:30 PM	65342
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	2/3/2022 7:07:30 PM	65342
Toluene	ND	0.050		mg/Kg	1	2/3/2022 7:07:30 PM	65342
Ethylbenzene	ND	0.050		mg/Kg	1	2/3/2022 7:07:30 PM	65342
Xylenes, Total	ND	0.099		mg/Kg	1	2/3/2022 7:07:30 PM	65342
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	2/3/2022 7:07:30 PM	65342

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

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

**Analytical Report**

Lab Order **2202078**

Date Reported: **2/16/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-40 6'

**Project:** Mallard

**Collection Date:** 1/31/2022 8:10:00 AM

**Lab ID:** 2202078-003

**Matrix:** SOIL

**Received Date:** 2/2/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	2/7/2022 3:48:51 PM	65398
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	2/4/2022 12:19:56 PM	65370
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/4/2022 12:19:56 PM	65370
Surr: DNOP	106	51.1-141		%Rec	1	2/4/2022 12:19:56 PM	65370
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/3/2022 7:31:02 PM	65342
Surr: BFB	109	70-130		%Rec	1	2/3/2022 7:31:02 PM	65342
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	2/3/2022 7:31:02 PM	65342
Toluene	ND	0.049		mg/Kg	1	2/3/2022 7:31:02 PM	65342
Ethylbenzene	ND	0.049		mg/Kg	1	2/3/2022 7:31:02 PM	65342
Xylenes, Total	ND	0.097		mg/Kg	1	2/3/2022 7:31:02 PM	65342
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	2/3/2022 7:31:02 PM	65342

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

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

**Analytical Report**

Lab Order **2202078**

Date Reported: **2/16/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-41 0'

**Project:** Mallard

**Collection Date:** 1/31/2022 8:15:00 AM

**Lab ID:** 2202078-004

**Matrix:** SOIL

**Received Date:** 2/2/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	61		mg/Kg	20	2/7/2022 4:01:16 PM	65398
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	15	9.7		mg/Kg	1	2/4/2022 2:38:27 PM	65370
Motor Oil Range Organics (MRO)	61	49		mg/Kg	1	2/4/2022 2:38:27 PM	65370
Surr: DNOP	96.8	51.1-141		%Rec	1	2/4/2022 2:38:27 PM	65370
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/3/2022 7:54:24 PM	65342
Surr: BFB	106	70-130		%Rec	1	2/3/2022 7:54:24 PM	65342
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	2/3/2022 7:54:24 PM	65342
Toluene	ND	0.050		mg/Kg	1	2/3/2022 7:54:24 PM	65342
Ethylbenzene	ND	0.050		mg/Kg	1	2/3/2022 7:54:24 PM	65342
Xylenes, Total	ND	0.10		mg/Kg	1	2/3/2022 7:54:24 PM	65342
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	2/3/2022 7:54:24 PM	65342

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

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

**Analytical Report**

Lab Order **2202078**

Date Reported: **2/16/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-41 6'

**Project:** Mallard

**Collection Date:** 1/31/2022 8:20:00 AM

**Lab ID:** 2202078-005

**Matrix:** SOIL

**Received Date:** 2/2/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	610	60		mg/Kg	20	2/7/2022 4:13:40 PM	65398
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	2/4/2022 12:30:29 PM	65370
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/4/2022 12:30:29 PM	65370
Surr: DNOP	91.8	51.1-141		%Rec	1	2/4/2022 12:30:29 PM	65370
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/3/2022 8:17:47 PM	65342
Surr: BFB	108	70-130		%Rec	1	2/3/2022 8:17:47 PM	65342
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	2/3/2022 8:17:47 PM	65342
Toluene	ND	0.050		mg/Kg	1	2/3/2022 8:17:47 PM	65342
Ethylbenzene	ND	0.050		mg/Kg	1	2/3/2022 8:17:47 PM	65342
Xylenes, Total	ND	0.099		mg/Kg	1	2/3/2022 8:17:47 PM	65342
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	2/3/2022 8:17:47 PM	65342

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

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

**Analytical Report**

Lab Order **2202078**

Date Reported: **2/16/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-42 0'

**Project:** Mallard

**Collection Date:** 1/31/2022 8:25:00 AM

**Lab ID:** 2202078-006

**Matrix:** SOIL

**Received Date:** 2/2/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	2/7/2022 4:26:05 PM	65398
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	22	9.7		mg/Kg	1	2/4/2022 12:41:09 PM	65370
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/4/2022 12:41:09 PM	65370
Surr: DNOP	103	51.1-141		%Rec	1	2/4/2022 12:41:09 PM	65370
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/3/2022 8:41:08 PM	65342
Surr: BFB	112	70-130		%Rec	1	2/3/2022 8:41:08 PM	65342
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	2/3/2022 8:41:08 PM	65342
Toluene	ND	0.049		mg/Kg	1	2/3/2022 8:41:08 PM	65342
Ethylbenzene	ND	0.049		mg/Kg	1	2/3/2022 8:41:08 PM	65342
Xylenes, Total	ND	0.098		mg/Kg	1	2/3/2022 8:41:08 PM	65342
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	2/3/2022 8:41:08 PM	65342

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

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

**Analytical Report**

Lab Order **2202078**

Date Reported: **2/16/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-42 3'

**Project:** Mallard

**Collection Date:** 1/31/2022 8:30:00 AM

**Lab ID:** 2202078-007

**Matrix:** SOIL

**Received Date:** 2/2/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	2200	150		mg/Kg	50	2/8/2022 4:20:03 PM	65398
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	2/4/2022 12:51:44 PM	65370
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/4/2022 12:51:44 PM	65370
Surr: DNOP	109	51.1-141		%Rec	1	2/4/2022 12:51:44 PM	65370
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/3/2022 9:04:23 PM	65342
Surr: BFB	109	70-130		%Rec	1	2/3/2022 9:04:23 PM	65342
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	2/3/2022 9:04:23 PM	65342
Toluene	ND	0.049		mg/Kg	1	2/3/2022 9:04:23 PM	65342
Ethylbenzene	ND	0.049		mg/Kg	1	2/3/2022 9:04:23 PM	65342
Xylenes, Total	ND	0.098		mg/Kg	1	2/3/2022 9:04:23 PM	65342
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	2/3/2022 9:04:23 PM	65342

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

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

**Analytical Report**

Lab Order **2202078**

Date Reported: **2/16/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-42 6'

**Project:** Mallard

**Collection Date:** 1/31/2022 8:35:00 AM

**Lab ID:** 2202078-008

**Matrix:** SOIL

**Received Date:** 2/2/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	330	60		mg/Kg	20	2/7/2022 4:50:53 PM	65398
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	2/4/2022 1:02:22 PM	65370
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/4/2022 1:02:22 PM	65370
Surr: DNOP	88.8	51.1-141		%Rec	1	2/4/2022 1:02:22 PM	65370
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/3/2022 9:27:40 PM	65342
Surr: BFB	110	70-130		%Rec	1	2/3/2022 9:27:40 PM	65342
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	2/3/2022 9:27:40 PM	65342
Toluene	ND	0.049		mg/Kg	1	2/3/2022 9:27:40 PM	65342
Ethylbenzene	ND	0.049		mg/Kg	1	2/3/2022 9:27:40 PM	65342
Xylenes, Total	ND	0.098		mg/Kg	1	2/3/2022 9:27:40 PM	65342
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	2/3/2022 9:27:40 PM	65342

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

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

**Analytical Report**

Lab Order **2202078**

Date Reported: **2/16/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-41 9'

**Project:** Mallard

**Collection Date:** 1/31/2022 11:00:00 AM

**Lab ID:** 2202078-009

**Matrix:** SOIL

**Received Date:** 2/2/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	380	60		mg/Kg	20	2/7/2022 5:03:17 PM	65398
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	2/4/2022 1:13:00 PM	65370
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/4/2022 1:13:00 PM	65370
Surr: DNOP	97.6	51.1-141		%Rec	1	2/4/2022 1:13:00 PM	65370
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/3/2022 9:50:56 PM	65342
Surr: BFB	109	70-130		%Rec	1	2/3/2022 9:50:56 PM	65342
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	2/3/2022 9:50:56 PM	65342
Toluene	ND	0.049		mg/Kg	1	2/3/2022 9:50:56 PM	65342
Ethylbenzene	ND	0.049		mg/Kg	1	2/3/2022 9:50:56 PM	65342
Xylenes, Total	ND	0.097		mg/Kg	1	2/3/2022 9:50:56 PM	65342
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	2/3/2022 9:50:56 PM	65342

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

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

**Analytical Report**

Lab Order **2202078**

Date Reported: **2/16/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-43 0'

**Project:** Mallard

**Collection Date:** 1/31/2022 11:05:00 AM

**Lab ID:** 2202078-010

**Matrix:** SOIL

**Received Date:** 2/2/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	2/7/2022 5:40:30 PM	65398
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	66	9.7		mg/Kg	1	2/7/2022 11:47:44 AM	65370
Motor Oil Range Organics (MRO)	210	48		mg/Kg	1	2/7/2022 11:47:44 AM	65370
Surr: DNOP	90.3	51.1-141		%Rec	1	2/7/2022 11:47:44 AM	65370
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/3/2022 10:37:46 PM	65342
Surr: BFB	105	70-130		%Rec	1	2/3/2022 10:37:46 PM	65342
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	2/3/2022 10:37:46 PM	65342
Toluene	ND	0.048		mg/Kg	1	2/3/2022 10:37:46 PM	65342
Ethylbenzene	ND	0.048		mg/Kg	1	2/3/2022 10:37:46 PM	65342
Xylenes, Total	ND	0.097		mg/Kg	1	2/3/2022 10:37:46 PM	65342
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	2/3/2022 10:37:46 PM	65342

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

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

**Analytical Report**

Lab Order **2202078**

Date Reported: **2/16/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-43 3'

**Project:** Mallard

**Collection Date:** 1/31/2022 11:10:00 AM

**Lab ID:** 2202078-011

**Matrix:** SOIL

**Received Date:** 2/2/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	160	60		mg/Kg	20	2/7/2022 5:52:54 PM	65398
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	2/4/2022 1:34:18 PM	65370
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/4/2022 1:34:18 PM	65370
Surr: DNOP	96.0	51.1-141		%Rec	1	2/4/2022 1:34:18 PM	65370
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/3/2022 11:01:13 PM	65342
Surr: BFB	107	70-130		%Rec	1	2/3/2022 11:01:13 PM	65342
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	2/3/2022 11:01:13 PM	65342
Toluene	ND	0.049		mg/Kg	1	2/3/2022 11:01:13 PM	65342
Ethylbenzene	ND	0.049		mg/Kg	1	2/3/2022 11:01:13 PM	65342
Xylenes, Total	ND	0.099		mg/Kg	1	2/3/2022 11:01:13 PM	65342
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	2/3/2022 11:01:13 PM	65342

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

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

**Analytical Report**

Lab Order **2202078**

Date Reported: **2/16/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-43 6'

**Project:** Mallard

**Collection Date:** 1/31/2022 11:15:00 AM

**Lab ID:** 2202078-012

**Matrix:** SOIL

**Received Date:** 2/2/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	370	60		mg/Kg	20	2/7/2022 6:05:18 PM	65398
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	2/4/2022 1:45:01 PM	65370
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/4/2022 1:45:01 PM	65370
Surr: DNOP	86.1	51.1-141		%Rec	1	2/4/2022 1:45:01 PM	65370
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/3/2022 11:24:44 PM	65342
Surr: BFB	109	70-130		%Rec	1	2/3/2022 11:24:44 PM	65342
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	2/3/2022 11:24:44 PM	65342
Toluene	ND	0.049		mg/Kg	1	2/3/2022 11:24:44 PM	65342
Ethylbenzene	ND	0.049		mg/Kg	1	2/3/2022 11:24:44 PM	65342
Xylenes, Total	ND	0.099		mg/Kg	1	2/3/2022 11:24:44 PM	65342
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	2/3/2022 11:24:44 PM	65342

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

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

**Analytical Report**

Lab Order **2202078**

Date Reported: **2/16/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-44 0'

**Project:** Mallard

**Collection Date:** 1/31/2022 11:20:00 AM

**Lab ID:** 2202078-013

**Matrix:** SOIL

**Received Date:** 2/2/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	59		mg/Kg	20	2/7/2022 6:17:43 PM	65398
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	2/4/2022 1:55:38 PM	65370
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/4/2022 1:55:38 PM	65370
Surr: DNOP	66.0	51.1-141		%Rec	1	2/4/2022 1:55:38 PM	65370
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/3/2022 11:48:02 PM	65342
Surr: BFB	108	70-130		%Rec	1	2/3/2022 11:48:02 PM	65342
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	2/3/2022 11:48:02 PM	65342
Toluene	ND	0.049		mg/Kg	1	2/3/2022 11:48:02 PM	65342
Ethylbenzene	ND	0.049		mg/Kg	1	2/3/2022 11:48:02 PM	65342
Xylenes, Total	ND	0.099		mg/Kg	1	2/3/2022 11:48:02 PM	65342
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	2/3/2022 11:48:02 PM	65342

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

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

**Analytical Report**

Lab Order **2202078**

Date Reported: **2/16/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-44 3'

**Project:** Mallard

**Collection Date:** 1/31/2022 11:25:00 AM

**Lab ID:** 2202078-014

**Matrix:** SOIL

**Received Date:** 2/2/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	1300	60		mg/Kg	20	2/7/2022 6:30:07 PM	65398
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	2/4/2022 2:06:19 PM	65370
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/4/2022 2:06:19 PM	65370
Surr: DNOP	90.5	51.1-141		%Rec	1	2/4/2022 2:06:19 PM	65370
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/4/2022 12:11:19 AM	65342
Surr: BFB	108	70-130		%Rec	1	2/4/2022 12:11:19 AM	65342
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	2/4/2022 12:11:19 AM	65342
Toluene	ND	0.049		mg/Kg	1	2/4/2022 12:11:19 AM	65342
Ethylbenzene	ND	0.049		mg/Kg	1	2/4/2022 12:11:19 AM	65342
Xylenes, Total	ND	0.099		mg/Kg	1	2/4/2022 12:11:19 AM	65342
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	2/4/2022 12:11:19 AM	65342

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

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

**Analytical Report**

Lab Order **2202078**

Date Reported: **2/16/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-44 6'

**Project:** Mallard

**Collection Date:** 1/31/2022 11:30:00 AM

**Lab ID:** 2202078-015

**Matrix:** SOIL

**Received Date:** 2/2/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	130	60		mg/Kg	20	2/7/2022 6:42:31 PM	65398
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	2/7/2022 1:11:43 PM	65386
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/7/2022 1:11:43 PM	65386
Surr: DNOP	143	51.1-141	S	%Rec	1	2/7/2022 1:11:43 PM	65386
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/4/2022 12:34:25 AM	65342
Surr: BFB	109	70-130		%Rec	1	2/4/2022 12:34:25 AM	65342
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	2/4/2022 12:34:25 AM	65342
Toluene	ND	0.050		mg/Kg	1	2/4/2022 12:34:25 AM	65342
Ethylbenzene	ND	0.050		mg/Kg	1	2/4/2022 12:34:25 AM	65342
Xylenes, Total	ND	0.10		mg/Kg	1	2/4/2022 12:34:25 AM	65342
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	2/4/2022 12:34:25 AM	65342

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

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

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2202078

16-Feb-22

**Client:** EOG  
**Project:** Mallard

Sample ID: <b>MB-65398</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65398</b>	RunNo: <b>85658</b>								
Prep Date: <b>2/7/2022</b>	Analysis Date: <b>2/7/2022</b>	SeqNo: <b>3015610</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-65398</b>	SampType: <b>ics</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65398</b>	RunNo: <b>85658</b>								
Prep Date: <b>2/7/2022</b>	Analysis Date: <b>2/7/2022</b>	SeqNo: <b>3015611</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.5	90	110			

**Qualifiers:**

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

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2202078

16-Feb-22

**Client:** EOG  
**Project:** Mallard

Sample ID: <b>MB-65370</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65370</b>	RunNo: <b>85618</b>								
Prep Date: <b>2/3/2022</b>	Analysis Date: <b>2/4/2022</b>	SeqNo: <b>3013991</b>	Units: <b>mg/Kg</b>							
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	13		10.00		134	51.1	141			

Sample ID: <b>LCS-65370</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65370</b>	RunNo: <b>85618</b>								
Prep Date: <b>2/3/2022</b>	Analysis Date: <b>2/4/2022</b>	SeqNo: <b>3014001</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	96.9	68.9	135			
Surr: DNOP	4.7		5.000		94.3	51.1	141			

Sample ID: <b>LCS-65386</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65386</b>	RunNo: <b>85650</b>								
Prep Date: <b>2/4/2022</b>	Analysis Date: <b>2/7/2022</b>	SeqNo: <b>3015345</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	91.0	68.9	135			
Surr: DNOP	4.4		5.000		87.4	51.1	141			

Sample ID: <b>MB-65386</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65386</b>	RunNo: <b>85650</b>								
Prep Date: <b>2/4/2022</b>	Analysis Date: <b>2/7/2022</b>	SeqNo: <b>3015346</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		102	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 Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2202078

16-Feb-22

**Client:** EOG  
**Project:** Mallard

Sample ID: <b>mb-65342</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65342</b>	RunNo: <b>85602</b>								
Prep Date: <b>2/2/2022</b>	Analysis Date: <b>2/3/2022</b>	SeqNo: <b>3013187</b>	Units: <b>mg/Kg</b>							
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: <b>ics-65342</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65342</b>	RunNo: <b>85602</b>								
Prep Date: <b>2/2/2022</b>	Analysis Date: <b>2/3/2022</b>	SeqNo: <b>3013188</b>	Units: <b>mg/Kg</b>							
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	1200		1000		123	70	130			

**Qualifiers:**

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

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2202078

16-Feb-22

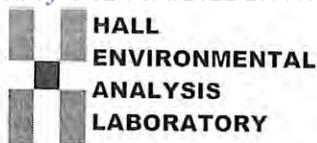
**Client:** EOG  
**Project:** Mallard

Sample ID: <b>mb-65342</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65342</b>	RunNo: <b>85602</b>								
Prep Date: <b>2/2/2022</b>	Analysis Date: <b>2/3/2022</b>	SeqNo: <b>3013223</b>	Units: <b>mg/Kg</b>							
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		105	70	130			

Sample ID: <b>LCS-65342</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65342</b>	RunNo: <b>85602</b>								
Prep Date: <b>2/2/2022</b>	Analysis Date: <b>2/3/2022</b>	SeqNo: <b>3013224</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.025	1.000	0	88.2	80	120			
Toluene	0.93	0.050	1.000	0	92.9	80	120			
Ethylbenzene	0.95	0.050	1.000	0	94.7	80	120			
Xylenes, Total	2.8	0.10	3.000	0	94.7	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		106	70	130			

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix 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
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: EOG Work Order Number: 2202078 RcptNo: 1

Received By: Sean Livingston 2/2/2022 8:00:00 AM

Completed By: Sean Livingston 2/2/2022 8:31:01 AM

Reviewed By: [Signature]

[Signature]

[Signature]

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [ ] Not Present [ ]
2. How was the sample delivered? Courier

Log In

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

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

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [ ] No [ ] NA [checked]

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

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 4.5, Good, [ ], [ ], [ ]

# Chain-of-Custody Record

Client: EOG

Mailing Address: On File

Phone #: \_\_\_\_\_

email or Fax#: \_\_\_\_\_

QA/QC Package:  
 Standard  Level 4 (Full Validation)  
 Az Compliance  
 NELAC  Other  
 EDD (Type) \_\_\_\_\_

Turn-Around Time: 5-1099

Standard  Rush

Project Name: Mallard

Project #: 22E-00123-008

Project Manager: Monica Peppin

Sampler: Chanel Dixon

On Ice:  Yes  No

# of Coolers: 1

Cooler Temp (including CF): 4.5 ± 0.45 (°C)

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
1/31	8:00	SOI	BH22-40 0'	4 OZ	ICE	2202078
	8:05		BH22-40 3'			002
	8:10		BH22-40 6'			003
	8:15		BH22-41 0'			004
	8:20		BH22-41 6'			005
	8:25		<del>BH22-43 0'</del>			006
	8:30		BH22-42 3'			007
	8:35		BH22-42 6'			008
	11:00		BH22-41 9'			009
	11:05		BH22-43 0'			010
	11:10		BH22-43 3'			011
	11:15		BH22-43 6'			012

Received by: Monica Peppin Date: 2/1/22 Time: 10:15

Relinquished by: Monica Peppin Date: 2/1/22 Time: 8:00



**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

**Analysis Request**

<input checked="" type="checkbox"/> BTEX / MTBE / TMB's (8021)	<input checked="" type="checkbox"/> TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCBs	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub>	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
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Remarks: CC: Chanel Dixon  
Direct Bill EOG Resources





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

February 10, 2022

Monica Peppin

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX:

RE: Mallard

OrderNo.: 2202152

Dear Monica Peppin:

Hall Environmental Analysis Laboratory received 12 sample(s) on 2/3/2022 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](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

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

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

**Analytical Report**

Lab Order **2202152**

Date Reported: **2/10/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-45 0'

**Project:** Mallard

**Collection Date:** 2/1/2022 8:00:00 AM

**Lab ID:** 2202152-001

**Matrix:** SOIL

**Received Date:** 2/3/2022 1:27:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	ND	60		mg/Kg	20	2/8/2022 1:13:55 PM	65421
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	2/7/2022 4:48:49 PM	65386
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/7/2022 4:48:49 PM	65386
Surr: DNOP	93.6	51.1-141		%Rec	1	2/7/2022 4:48:49 PM	65386
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/5/2022 7:26:00 PM	65380
Surr: BFB	95.1	70-130		%Rec	1	2/5/2022 7:26:00 PM	65380
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.023		mg/Kg	1	2/5/2022 7:26:00 PM	65380
Toluene	ND	0.047		mg/Kg	1	2/5/2022 7:26:00 PM	65380
Ethylbenzene	ND	0.047		mg/Kg	1	2/5/2022 7:26:00 PM	65380
Xylenes, Total	ND	0.094		mg/Kg	1	2/5/2022 7:26:00 PM	65380
Surr: 4-Bromofluorobenzene	89.7	70-130		%Rec	1	2/5/2022 7:26:00 PM	65380

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

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

**Analytical Report**

Lab Order **2202152**

Date Reported: **2/10/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-45 3'

**Project:** Mallard

**Collection Date:** 2/1/2022 8:05:00 AM

**Lab ID:** 2202152-002

**Matrix:** SOIL

**Received Date:** 2/3/2022 1:27:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	140	60		mg/Kg	20	2/8/2022 1:51:08 PM	65421
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	2/7/2022 4:59:36 PM	65386
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/7/2022 4:59:36 PM	65386
Surr: DNOP	95.0	51.1-141		%Rec	1	2/7/2022 4:59:36 PM	65386
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/5/2022 7:46:00 PM	65380
Surr: BFB	101	70-130		%Rec	1	2/5/2022 7:46:00 PM	65380
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	2/5/2022 7:46:00 PM	65380
Toluene	ND	0.049		mg/Kg	1	2/5/2022 7:46:00 PM	65380
Ethylbenzene	ND	0.049		mg/Kg	1	2/5/2022 7:46:00 PM	65380
Xylenes, Total	ND	0.099		mg/Kg	1	2/5/2022 7:46:00 PM	65380
Surr: 4-Bromofluorobenzene	90.3	70-130		%Rec	1	2/5/2022 7:46:00 PM	65380

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

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

**Analytical Report**

Lab Order **2202152**

Date Reported: 2/10/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-45 6'

**Project:** Mallard

**Collection Date:** 2/1/2022 8:10:00 AM

**Lab ID:** 2202152-003

**Matrix:** SOIL

**Received Date:** 2/3/2022 1:27:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	220	60		mg/Kg	20	2/8/2022 2:03:33 PM	65421
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	2/7/2022 5:10:22 PM	65386
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/7/2022 5:10:22 PM	65386
Surr: DNOP	127	51.1-141		%Rec	1	2/7/2022 5:10:22 PM	65386
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/5/2022 8:05:00 PM	65380
Surr: BFB	97.3	70-130		%Rec	1	2/5/2022 8:05:00 PM	65380
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.023		mg/Kg	1	2/5/2022 8:05:00 PM	65380
Toluene	ND	0.047		mg/Kg	1	2/5/2022 8:05:00 PM	65380
Ethylbenzene	ND	0.047		mg/Kg	1	2/5/2022 8:05:00 PM	65380
Xylenes, Total	ND	0.093		mg/Kg	1	2/5/2022 8:05:00 PM	65380
Surr: 4-Bromofluorobenzene	90.4	70-130		%Rec	1	2/5/2022 8:05:00 PM	65380

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

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

**Analytical Report**

Lab Order **2202152**

Date Reported: **2/10/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-46 0'

**Project:** Mallard

**Collection Date:** 2/1/2022 8:15:00 AM

**Lab ID:** 2202152-004

**Matrix:** SOIL

**Received Date:** 2/3/2022 1:27:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	ND	60		mg/Kg	20	2/8/2022 2:15:58 PM	65421
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	2/8/2022 11:23:15 AM	65396
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	2/8/2022 11:23:15 AM	65396
Surr: DNOP	92.9	51.1-141		%Rec	1	2/8/2022 11:23:15 AM	65396
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/5/2022 8:25:00 PM	65380
Surr: BFB	96.1	70-130		%Rec	1	2/5/2022 8:25:00 PM	65380
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	2/5/2022 8:25:00 PM	65380
Toluene	ND	0.047		mg/Kg	1	2/5/2022 8:25:00 PM	65380
Ethylbenzene	ND	0.047		mg/Kg	1	2/5/2022 8:25:00 PM	65380
Xylenes, Total	ND	0.094		mg/Kg	1	2/5/2022 8:25:00 PM	65380
Surr: 4-Bromofluorobenzene	89.7	70-130		%Rec	1	2/5/2022 8:25:00 PM	65380

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

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

**Analytical Report**

Lab Order **2202152**

Date Reported: **2/10/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-46 3'

**Project:** Mallard

**Collection Date:** 2/1/2022 8:20:00 AM

**Lab ID:** 2202152-005

**Matrix:** SOIL

**Received Date:** 2/3/2022 1:27:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	770	60		mg/Kg	20	2/8/2022 2:28:22 PM	65421
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	2/8/2022 11:33:46 AM	65396
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/8/2022 11:33:46 AM	65396
Surr: DNOP	113	51.1-141		%Rec	1	2/8/2022 11:33:46 AM	65396
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/5/2022 8:44:00 PM	65380
Surr: BFB	94.4	70-130		%Rec	1	2/5/2022 8:44:00 PM	65380
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	2/5/2022 8:44:00 PM	65380
Toluene	ND	0.050		mg/Kg	1	2/5/2022 8:44:00 PM	65380
Ethylbenzene	ND	0.050		mg/Kg	1	2/5/2022 8:44:00 PM	65380
Xylenes, Total	ND	0.10		mg/Kg	1	2/5/2022 8:44:00 PM	65380
Surr: 4-Bromofluorobenzene	88.0	70-130		%Rec	1	2/5/2022 8:44:00 PM	65380

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

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

**Analytical Report**

Lab Order **2202152**

Date Reported: **2/10/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-46 6'

**Project:** Mallard

**Collection Date:** 2/1/2022 8:25:00 AM

**Lab ID:** 2202152-006

**Matrix:** SOIL

**Received Date:** 2/3/2022 1:27:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	800	60		mg/Kg	20	2/8/2022 3:05:36 PM	65421
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	2/8/2022 11:44:20 AM	65396
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/8/2022 11:44:20 AM	65396
Surr: DNOP	110	51.1-141		%Rec	1	2/8/2022 11:44:20 AM	65396
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/5/2022 9:04:00 PM	65380
Surr: BFB	94.5	70-130		%Rec	1	2/5/2022 9:04:00 PM	65380
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	2/5/2022 9:04:00 PM	65380
Toluene	ND	0.049		mg/Kg	1	2/5/2022 9:04:00 PM	65380
Ethylbenzene	ND	0.049		mg/Kg	1	2/5/2022 9:04:00 PM	65380
Xylenes, Total	ND	0.097		mg/Kg	1	2/5/2022 9:04:00 PM	65380
Surr: 4-Bromofluorobenzene	87.0	70-130		%Rec	1	2/5/2022 9:04:00 PM	65380

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

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

**Analytical Report**

Lab Order **2202152**

Date Reported: **2/10/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-47 0'

**Project:** Mallard

**Collection Date:** 2/1/2022 8:30:00 AM

**Lab ID:** 2202152-007

**Matrix:** SOIL

**Received Date:** 2/3/2022 1:27:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	ND	60		mg/Kg	20	2/8/2022 3:18:00 PM	65421
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	2/8/2022 11:54:52 AM	65396
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/8/2022 11:54:52 AM	65396
Surr: DNOP	97.4	51.1-141		%Rec	1	2/8/2022 11:54:52 AM	65396
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/5/2022 9:23:00 PM	65380
Surr: BFB	95.8	70-130		%Rec	1	2/5/2022 9:23:00 PM	65380
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.023		mg/Kg	1	2/5/2022 9:23:00 PM	65380
Toluene	ND	0.047		mg/Kg	1	2/5/2022 9:23:00 PM	65380
Ethylbenzene	ND	0.047		mg/Kg	1	2/5/2022 9:23:00 PM	65380
Xylenes, Total	ND	0.093		mg/Kg	1	2/5/2022 9:23:00 PM	65380
Surr: 4-Bromofluorobenzene	87.2	70-130		%Rec	1	2/5/2022 9:23:00 PM	65380

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

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

**Analytical Report**

Lab Order **2202152**

Date Reported: **2/10/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG  
**Project:** Mallard  
**Lab ID:** 2202152-008

**Matrix:** SOIL

**Client Sample ID:** BH22-47 3'  
**Collection Date:** 2/1/2022 8:35:00 AM  
**Received Date:** 2/3/2022 1:27:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	200	60		mg/Kg	20	2/8/2022 3:30:25 PM	65421
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	2/8/2022 12:05:28 PM	65396
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/8/2022 12:05:28 PM	65396
Surr: DNOP	93.3	51.1-141		%Rec	1	2/8/2022 12:05:28 PM	65396
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/5/2022 9:43:00 PM	65380
Surr: BFB	98.1	70-130		%Rec	1	2/5/2022 9:43:00 PM	65380
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.023		mg/Kg	1	2/5/2022 9:43:00 PM	65380
Toluene	ND	0.047		mg/Kg	1	2/5/2022 9:43:00 PM	65380
Ethylbenzene	ND	0.047		mg/Kg	1	2/5/2022 9:43:00 PM	65380
Xylenes, Total	ND	0.094		mg/Kg	1	2/5/2022 9:43:00 PM	65380
Surr: 4-Bromofluorobenzene	90.9	70-130		%Rec	1	2/5/2022 9:43:00 PM	65380

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

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

**Analytical Report**

Lab Order **2202152**

Date Reported: **2/10/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-47 6'

**Project:** Mallard

**Collection Date:** 2/1/2022 8:40:00 AM

**Lab ID:** 2202152-009

**Matrix:** SOIL

**Received Date:** 2/3/2022 1:27:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	200	60		mg/Kg	20	2/8/2022 3:42:50 PM	65421
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	2/8/2022 12:16:04 PM	65396
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	2/8/2022 12:16:04 PM	65396
Surr: DNOP	97.2	51.1-141		%Rec	1	2/8/2022 12:16:04 PM	65396
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/5/2022 10:02:00 PM	65380
Surr: BFB	95.8	70-130		%Rec	1	2/5/2022 10:02:00 PM	65380
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	2/5/2022 10:02:00 PM	65380
Toluene	ND	0.050		mg/Kg	1	2/5/2022 10:02:00 PM	65380
Ethylbenzene	ND	0.050		mg/Kg	1	2/5/2022 10:02:00 PM	65380
Xylenes, Total	ND	0.099		mg/Kg	1	2/5/2022 10:02:00 PM	65380
Surr: 4-Bromofluorobenzene	91.4	70-130		%Rec	1	2/5/2022 10:02:00 PM	65380

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

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

**Analytical Report**

Lab Order **2202152**

Date Reported: **2/10/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-48 0'

**Project:** Mallard

**Collection Date:** 2/1/2022 8:45:00 AM

**Lab ID:** 2202152-010

**Matrix:** SOIL

**Received Date:** 2/3/2022 1:27:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	ND	60		mg/Kg	20	2/8/2022 3:55:15 PM	65421
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	8.7		mg/Kg	1	2/8/2022 12:26:40 PM	65396
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	2/8/2022 12:26:40 PM	65396
Surr: DNOP	78.8	51.1-141		%Rec	1	2/8/2022 12:26:40 PM	65396
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/7/2022 11:33:24 AM	65387
Surr: BFB	112	70-130		%Rec	1	2/7/2022 11:33:24 AM	65387
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.023		mg/Kg	1	2/7/2022 11:33:24 AM	65387
Toluene	ND	0.047		mg/Kg	1	2/7/2022 11:33:24 AM	65387
Ethylbenzene	ND	0.047		mg/Kg	1	2/7/2022 11:33:24 AM	65387
Xylenes, Total	ND	0.094		mg/Kg	1	2/7/2022 11:33:24 AM	65387
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	2/7/2022 11:33:24 AM	65387

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

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

**Analytical Report**

Lab Order **2202152**

Date Reported: **2/10/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG  
**Project:** Mallard  
**Lab ID:** 2202152-011

**Matrix:** SOIL

**Client Sample ID:** BH22-48 3'  
**Collection Date:** 2/1/2022 8:50:00 AM  
**Received Date:** 2/3/2022 1:27:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	190	60		mg/Kg	20	2/8/2022 4:07:39 PM	65421
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	2/8/2022 12:37:19 PM	65396
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/8/2022 12:37:19 PM	65396
Surr: DNOP	80.9	51.1-141		%Rec	1	2/8/2022 12:37:19 PM	65396
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/7/2022 12:44:00 PM	65387
Surr: BFB	114	70-130		%Rec	1	2/7/2022 12:44:00 PM	65387
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	2/7/2022 12:44:00 PM	65387
Toluene	ND	0.048		mg/Kg	1	2/7/2022 12:44:00 PM	65387
Ethylbenzene	ND	0.048		mg/Kg	1	2/7/2022 12:44:00 PM	65387
Xylenes, Total	ND	0.096		mg/Kg	1	2/7/2022 12:44:00 PM	65387
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	1	2/7/2022 12:44:00 PM	65387

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

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

**Analytical Report**

Lab Order **2202152**

Date Reported: **2/10/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-48 6'

**Project:** Mallard

**Collection Date:** 2/1/2022 8:55:00 AM

**Lab ID:** 2202152-012

**Matrix:** SOIL

**Received Date:** 2/3/2022 1:27:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	140	60		mg/Kg	20	2/8/2022 8:28:15 PM	65426
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	2/8/2022 12:47:55 PM	65396
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	2/8/2022 12:47:55 PM	65396
Surr: DNOP	91.5	51.1-141		%Rec	1	2/8/2022 12:47:55 PM	65396
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/7/2022 1:54:37 PM	65387
Surr: BFB	113	70-130		%Rec	1	2/7/2022 1:54:37 PM	65387
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	2/7/2022 1:54:37 PM	65387
Toluene	ND	0.049		mg/Kg	1	2/7/2022 1:54:37 PM	65387
Ethylbenzene	ND	0.049		mg/Kg	1	2/7/2022 1:54:37 PM	65387
Xylenes, Total	ND	0.099		mg/Kg	1	2/7/2022 1:54:37 PM	65387
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	1	2/7/2022 1:54:37 PM	65387

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

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

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2202152

10-Feb-22

**Client:** EOG  
**Project:** Mallard

Sample ID: <b>MB-65421</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65421</b>	RunNo: <b>85698</b>								
Prep Date: <b>2/8/2022</b>	Analysis Date: <b>2/8/2022</b>	SeqNo: <b>3017133</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-65421</b>	SampType: <b>ics</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65421</b>	RunNo: <b>85698</b>								
Prep Date: <b>2/8/2022</b>	Analysis Date: <b>2/8/2022</b>	SeqNo: <b>3017134</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.8	90	110			

Sample ID: <b>MB-65426</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65426</b>	RunNo: <b>85698</b>								
Prep Date: <b>2/8/2022</b>	Analysis Date: <b>2/8/2022</b>	SeqNo: <b>3017164</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-65426</b>	SampType: <b>ics</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65426</b>	RunNo: <b>85698</b>								
Prep Date: <b>2/8/2022</b>	Analysis Date: <b>2/8/2022</b>	SeqNo: <b>3017165</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.8	90	110			

**Qualifiers:**

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2202152

10-Feb-22

**Client:** EOG  
**Project:** Mallard

Sample ID: <b>LCS-65386</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65386</b>	RunNo: <b>85650</b>								
Prep Date: <b>2/4/2022</b>	Analysis Date: <b>2/7/2022</b>	SeqNo: <b>3015345</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	91.0	68.9	135			
Surr: DNOP	4.4		5.000		87.4	51.1	141			

Sample ID: <b>MB-65386</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65386</b>	RunNo: <b>85650</b>								
Prep Date: <b>2/4/2022</b>	Analysis Date: <b>2/7/2022</b>	SeqNo: <b>3015346</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		102	51.1	141			

Sample ID: <b>LCS-65396</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65396</b>	RunNo: <b>85689</b>								
Prep Date: <b>2/7/2022</b>	Analysis Date: <b>2/8/2022</b>	SeqNo: <b>3016913</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	90.6	68.9	135			
Surr: DNOP	4.1		5.000		81.8	51.1	141			

Sample ID: <b>MB-65396</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65396</b>	RunNo: <b>85689</b>								
Prep Date: <b>2/7/2022</b>	Analysis Date: <b>2/8/2022</b>	SeqNo: <b>3016916</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.0		10.00		89.9	51.1	141			

**Qualifiers:**

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

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2202152

10-Feb-22

**Client:** EOG  
**Project:** Mallard

Sample ID: <b>mb-65380</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65380</b>	RunNo: <b>85645</b>								
Prep Date: <b>2/4/2022</b>	Analysis Date: <b>2/5/2022</b>	SeqNo: <b>3015107</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	990		1000		99.3	70	130			

Sample ID: <b>ics-65380</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65380</b>	RunNo: <b>85645</b>								
Prep Date: <b>2/4/2022</b>	Analysis Date: <b>2/5/2022</b>	SeqNo: <b>3015108</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	29	5.0	25.00	0	115	78.6	131			
Surr: BFB	1300		1000		127	70	130			

Sample ID: <b>mb-65387</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65387</b>	RunNo: <b>85651</b>								
Prep Date: <b>2/4/2022</b>	Analysis Date: <b>2/7/2022</b>	SeqNo: <b>3015358</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1300		1000		127	70	130			

Sample ID: <b>ics-65387</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65387</b>	RunNo: <b>85651</b>								
Prep Date: <b>2/4/2022</b>	Analysis Date: <b>2/7/2022</b>	SeqNo: <b>3015359</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	101	78.6	131			
Surr: BFB	1200		1000		123	70	130			

**Qualifiers:**

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2202152

10-Feb-22

**Client:** EOG  
**Project:** Mallard

Sample ID: <b>mb-65380</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65380</b>	RunNo: <b>85645</b>								
Prep Date: <b>2/4/2022</b>	Analysis Date: <b>2/5/2022</b>	SeqNo: <b>3015134</b>	Units: <b>mg/Kg</b>							
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	0.93		1.000		92.7	70	130			

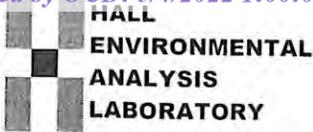
Sample ID: <b>lcs-65380</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65380</b>	RunNo: <b>85645</b>								
Prep Date: <b>2/4/2022</b>	Analysis Date: <b>2/5/2022</b>	SeqNo: <b>3015135</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	100	80	120			
Toluene	0.98	0.050	1.000	0	98.0	80	120			
Ethylbenzene	0.99	0.050	1.000	0	99.1	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.8	80	120			
Surr: 4-Bromofluorobenzene	0.92		1.000		92.3	70	130			

Sample ID: <b>mb-65387</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65387</b>	RunNo: <b>85651</b>								
Prep Date: <b>2/4/2022</b>	Analysis Date: <b>2/7/2022</b>	SeqNo: <b>3015392</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.2		1.000		118	70	130			

Sample ID: <b>LCS-65387</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65387</b>	RunNo: <b>85651</b>								
Prep Date: <b>2/4/2022</b>	Analysis Date: <b>2/7/2022</b>	SeqNo: <b>3015393</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.025	1.000	0	98.2	80	120			
Toluene	1.0	0.050	1.000	0	100	80	120			
Ethylbenzene	1.0	0.050	1.000	0	102	80	120			
Xylenes, Total	3.1	0.10	3.000	0	102	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		107	70	130			

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix 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
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: EOG Work Order Number: 2202152 RcptNo: 1

Received By: Cheyenne Cason 2/3/2022 1:27:00 PM
Completed By: Cheyenne Cason 2/3/2022 2:39:17 PM
Reviewed By: jn 2/3/22

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [ ] Not Present [ ]
2. How was the sample delivered? Client

Log In

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

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

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [ ] No [ ] NA [checked]

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

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 1.3, Good, Not Present, , ,

# Chain-of-Custody Record



**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

**Analysis Request**

BTEX / MTBE / TMB's (8021)	✓
TPH:8015D(GRO / DRO / MRO)	✓
8081 Pesticides/8082 PCB's	
EDB (Method 504.1)	
PAHs by 8310 or 8270SIMS	
PCRA 8 Metals	
Cl, F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub>	✓
8260 (VOA)	
8270 (Semi-VOA)	
Total Coliform (Present/Absent)	

Remarks: CC: Charne Dixon  
Direct Bill EOS

Turn-Around Time: 5-10gy  
 Standard  Rush  
 Project Name: Mallard

Project #: ZZE-00123-008  
 Project Manager: Monica Peppin

Sampler: Charne Dixon  
 On Ice:  Yes  No  
 # of Coolers: ( )

Cooler Temp (including CF): 1.4-0.1-1.3 (°C)  
 Container Type and # 40Z ICE  
 Preservative Type  
 HEAL No. 2202152

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
2/1	8:00	Soil	BH22-45 0'	40Z	ICE	001
	8:05		BH22-45 3'			002
	8:10		BH22-45 6'			003
	8:15		BH22-46 0'			004
	8:20		BH22-46 3'			005
	8:25		BH22-46 6'			006
	8:30		BH22-47 0'			008-007
	8:35		BH22-47 3'			009-008
	8:40		BH22-47 6'			010-009
	8:45		BH22-48 0'			010
	8:50		BH22-48 3'			013-011
	8:55		BH22-48 6'			013-012

Received by: [Signature] Date: 2/1/22 Time: 1:00  
 Received by: [Signature] Date: 2/13/22 Time: 1327

Relinquished by: [Signature]  
 Relinquished by: [Signature]



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

February 11, 2022

Monica Peppin  
EOG  
105 South Fourth Street  
Artesia, NM 88210  
TEL:  
FAX

RE: Mallard

OrderNo.: 2202153

Dear Monica Peppin:

Hall Environmental Analysis Laboratory received 16 sample(s) on 2/3/2022 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](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

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

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a white background.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

**Analytical Report**

Lab Order **2202153**

Date Reported: **2/11/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-45 9'

**Project:** Mallard

**Collection Date:** 2/1/2022 9:30:00 AM

**Lab ID:** 2202153-001

**Matrix:** SOIL

**Received Date:** 2/3/2022 1:27:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	490	60		mg/Kg	20	2/8/2022 8:40:39 PM	65426
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	2/8/2022 12:58:32 PM	65396
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	2/8/2022 12:58:32 PM	65396
Surr: DNOP	107	51.1-141		%Rec	1	2/8/2022 12:58:32 PM	65396
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/7/2022 2:18:11 PM	65387
Surr: BFB	116	70-130		%Rec	1	2/7/2022 2:18:11 PM	65387
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.023		mg/Kg	1	2/7/2022 2:18:11 PM	65387
Toluene	ND	0.047		mg/Kg	1	2/7/2022 2:18:11 PM	65387
Ethylbenzene	ND	0.047		mg/Kg	1	2/7/2022 2:18:11 PM	65387
Xylenes, Total	ND	0.093		mg/Kg	1	2/7/2022 2:18:11 PM	65387
Surr: 4-Bromofluorobenzene	110	70-130		%Rec	1	2/7/2022 2:18:11 PM	65387

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

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

**Analytical Report**

Lab Order **2202153**

Date Reported: **2/11/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-45 12'

**Project:** Mallard

**Collection Date:** 2/1/2022 9:35:00 AM

**Lab ID:** 2202153-002

**Matrix:** SOIL

**Received Date:** 2/3/2022 1:27:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	740	60		mg/Kg	20	2/8/2022 8:53:04 PM	65426
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	2/8/2022 1:09:11 PM	65396
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/8/2022 1:09:11 PM	65396
Surr: DNOP	93.4	51.1-141		%Rec	1	2/8/2022 1:09:11 PM	65396
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/7/2022 2:41:51 PM	65387
Surr: BFB	117	70-130		%Rec	1	2/7/2022 2:41:51 PM	65387
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	2/7/2022 2:41:51 PM	65387
Toluene	ND	0.048		mg/Kg	1	2/7/2022 2:41:51 PM	65387
Ethylbenzene	ND	0.048		mg/Kg	1	2/7/2022 2:41:51 PM	65387
Xylenes, Total	ND	0.097		mg/Kg	1	2/7/2022 2:41:51 PM	65387
Surr: 4-Bromofluorobenzene	110	70-130		%Rec	1	2/7/2022 2:41:51 PM	65387

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

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

**Analytical Report**

Lab Order **2202153**

Date Reported: **2/11/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-46 9'

**Project:** Mallard

**Collection Date:** 2/1/2022 9:40:00 AM

**Lab ID:** 2202153-003

**Matrix:** SOIL

**Received Date:** 2/3/2022 1:27:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	380	60		mg/Kg	20	2/8/2022 9:05:30 PM	65426
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	2/8/2022 1:19:50 PM	65396
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/8/2022 1:19:50 PM	65396
Surr: DNOP	86.8	51.1-141		%Rec	1	2/8/2022 1:19:50 PM	65396
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	2/7/2022 3:05:32 PM	65387
Surr: BFB	118	70-130		%Rec	1	2/7/2022 3:05:32 PM	65387
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.023		mg/Kg	1	2/7/2022 3:05:32 PM	65387
Toluene	ND	0.046		mg/Kg	1	2/7/2022 3:05:32 PM	65387
Ethylbenzene	ND	0.046		mg/Kg	1	2/7/2022 3:05:32 PM	65387
Xylenes, Total	ND	0.092		mg/Kg	1	2/7/2022 3:05:32 PM	65387
Surr: 4-Bromofluorobenzene	111	70-130		%Rec	1	2/7/2022 3:05:32 PM	65387

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

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

**Analytical Report**

Lab Order **2202153**

Date Reported: **2/11/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-46 12'

**Project:** Mallard

**Collection Date:** 2/1/2022 9:45:00 AM

**Lab ID:** 2202153-004

**Matrix:** SOIL

**Received Date:** 2/3/2022 1:27:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	1300	60		mg/Kg	20	2/8/2022 9:17:54 PM	65426
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	2/8/2022 1:30:23 PM	65396
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/8/2022 1:30:23 PM	65396
Surr: DNOP	90.9	51.1-141		%Rec	1	2/8/2022 1:30:23 PM	65396
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/7/2022 3:29:07 PM	65387
Surr: BFB	118	70-130		%Rec	1	2/7/2022 3:29:07 PM	65387
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	2/7/2022 3:29:07 PM	65387
Toluene	ND	0.050		mg/Kg	1	2/7/2022 3:29:07 PM	65387
Ethylbenzene	ND	0.050		mg/Kg	1	2/7/2022 3:29:07 PM	65387
Xylenes, Total	ND	0.10		mg/Kg	1	2/7/2022 3:29:07 PM	65387
Surr: 4-Bromofluorobenzene	113	70-130		%Rec	1	2/7/2022 3:29:07 PM	65387

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

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

**Analytical Report**

Lab Order **2202153**

Date Reported: **2/11/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-49 0'

**Project:** Mallard

**Collection Date:** 2/1/2022 11:30:00 AM

**Lab ID:** 2202153-005

**Matrix:** SOIL

**Received Date:** 2/3/2022 1:27:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	ND	60		mg/Kg	20	2/8/2022 9:30:19 PM	65426
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	9.8	9.5		mg/Kg	1	2/9/2022 1:27:47 PM	65396
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/9/2022 1:27:47 PM	65396
Surr: DNOP	67.4	51.1-141		%Rec	1	2/9/2022 1:27:47 PM	65396
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	2/7/2022 5:04:00 PM	65387
Surr: BFB	125	70-130		%Rec	1	2/7/2022 5:04:00 PM	65387
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.023		mg/Kg	1	2/7/2022 5:04:00 PM	65387
Toluene	ND	0.046		mg/Kg	1	2/7/2022 5:04:00 PM	65387
Ethylbenzene	ND	0.046		mg/Kg	1	2/7/2022 5:04:00 PM	65387
Xylenes, Total	ND	0.093		mg/Kg	1	2/7/2022 5:04:00 PM	65387
Surr: 4-Bromofluorobenzene	118	70-130		%Rec	1	2/7/2022 5:04:00 PM	65387

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

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

**Analytical Report**

Lab Order **2202153**

Date Reported: **2/11/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-49 3'

**Project:** Mallard

**Collection Date:** 2/1/2022 11:35:00 AM

**Lab ID:** 2202153-006

**Matrix:** SOIL

**Received Date:** 2/3/2022 1:27:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	ND	60		mg/Kg	20	2/8/2022 10:32:23 PM	65426
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	2/8/2022 1:51:57 PM	65396
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/8/2022 1:51:57 PM	65396
Surr: DNOP	96.1	51.1-141		%Rec	1	2/8/2022 1:51:57 PM	65396
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/7/2022 5:27:46 PM	65387
Surr: BFB	125	70-130		%Rec	1	2/7/2022 5:27:46 PM	65387
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	2/7/2022 5:27:46 PM	65387
Toluene	ND	0.048		mg/Kg	1	2/7/2022 5:27:46 PM	65387
Ethylbenzene	ND	0.048		mg/Kg	1	2/7/2022 5:27:46 PM	65387
Xylenes, Total	ND	0.097		mg/Kg	1	2/7/2022 5:27:46 PM	65387
Surr: 4-Bromofluorobenzene	119	70-130		%Rec	1	2/7/2022 5:27:46 PM	65387

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

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

**Analytical Report**

Lab Order **2202153**

Date Reported: **2/11/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-49 6'

**Project:** Mallard

**Collection Date:** 2/1/2022 11:40:00 AM

**Lab ID:** 2202153-007

**Matrix:** SOIL

**Received Date:** 2/3/2022 1:27:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	ND	60		mg/Kg	20	2/8/2022 11:34:28 PM	65437
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	7.7		mg/Kg	1	2/8/2022 2:02:52 PM	65396
Motor Oil Range Organics (MRO)	ND	39		mg/Kg	1	2/8/2022 2:02:52 PM	65396
Surr: DNOP	97.9	51.1-141		%Rec	1	2/8/2022 2:02:52 PM	65396
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	2/7/2022 5:51:19 PM	65387
Surr: BFB	121	70-130		%Rec	1	2/7/2022 5:51:19 PM	65387
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.023		mg/Kg	1	2/7/2022 5:51:19 PM	65387
Toluene	ND	0.046		mg/Kg	1	2/7/2022 5:51:19 PM	65387
Ethylbenzene	ND	0.046		mg/Kg	1	2/7/2022 5:51:19 PM	65387
Xylenes, Total	ND	0.093		mg/Kg	1	2/7/2022 5:51:19 PM	65387
Surr: 4-Bromofluorobenzene	114	70-130		%Rec	1	2/7/2022 5:51:19 PM	65387

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

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

**Analytical Report**

Lab Order **2202153**

Date Reported: **2/11/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-50 0'

**Project:** Mallard

**Collection Date:** 2/1/2022 11:45:00 AM

**Lab ID:** 2202153-008

**Matrix:** SOIL

**Received Date:** 2/3/2022 1:27:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	ND	60		mg/Kg	20	2/8/2022 11:46:53 PM	65437
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	2/8/2022 2:13:49 PM	65396
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/8/2022 2:13:49 PM	65396
Surr: DNOP	127	51.1-141		%Rec	1	2/8/2022 2:13:49 PM	65396
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/7/2022 6:14:53 PM	65387
Surr: BFB	120	70-130		%Rec	1	2/7/2022 6:14:53 PM	65387
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	2/7/2022 6:14:53 PM	65387
Toluene	ND	0.048		mg/Kg	1	2/7/2022 6:14:53 PM	65387
Ethylbenzene	ND	0.048		mg/Kg	1	2/7/2022 6:14:53 PM	65387
Xylenes, Total	ND	0.096		mg/Kg	1	2/7/2022 6:14:53 PM	65387
Surr: 4-Bromofluorobenzene	113	70-130		%Rec	1	2/7/2022 6:14:53 PM	65387

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

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

**Analytical Report**

Lab Order **2202153**

Date Reported: 2/11/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-50 3'

**Project:** Mallard

**Collection Date:** 2/1/2022 11:50:00 AM

**Lab ID:** 2202153-009

**Matrix:** SOIL

**Received Date:** 2/3/2022 1:27:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	ND	60		mg/Kg	20	2/8/2022 11:59:18 PM	65437
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	2/8/2022 2:24:55 PM	65396
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/8/2022 2:24:55 PM	65396
Surr: DNOP	74.4	51.1-141		%Rec	1	2/8/2022 2:24:55 PM	65396
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/7/2022 6:38:27 PM	65387
Surr: BFB	118	70-130		%Rec	1	2/7/2022 6:38:27 PM	65387
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	2/7/2022 6:38:27 PM	65387
Toluene	ND	0.047		mg/Kg	1	2/7/2022 6:38:27 PM	65387
Ethylbenzene	ND	0.047		mg/Kg	1	2/7/2022 6:38:27 PM	65387
Xylenes, Total	ND	0.094		mg/Kg	1	2/7/2022 6:38:27 PM	65387
Surr: 4-Bromofluorobenzene	111	70-130		%Rec	1	2/7/2022 6:38:27 PM	65387

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

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

**Analytical Report**

Lab Order **2202153**

Date Reported: **2/11/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-50 6'

**Project:** Mallard

**Collection Date:** 2/1/2022 11:55:00 AM

**Lab ID:** 2202153-010

**Matrix:** SOIL

**Received Date:** 2/3/2022 1:27:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	ND	60		mg/Kg	20	2/9/2022 12:11:43 AM	65437
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	2/8/2022 2:35:49 PM	65396
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/8/2022 2:35:49 PM	65396
Surr: DNOP	74.4	51.1-141		%Rec	1	2/8/2022 2:35:49 PM	65396
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/7/2022 7:01:58 PM	65387
Surr: BFB	120	70-130		%Rec	1	2/7/2022 7:01:58 PM	65387
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	2/7/2022 7:01:58 PM	65387
Toluene	ND	0.047		mg/Kg	1	2/7/2022 7:01:58 PM	65387
Ethylbenzene	ND	0.047		mg/Kg	1	2/7/2022 7:01:58 PM	65387
Xylenes, Total	ND	0.095		mg/Kg	1	2/7/2022 7:01:58 PM	65387
Surr: 4-Bromofluorobenzene	114	70-130		%Rec	1	2/7/2022 7:01:58 PM	65387

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

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

**Analytical Report**

Lab Order **2202153**

Date Reported: **2/11/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-51 0'

**Project:** Mallard

**Collection Date:** 2/1/2022 12:00:00 PM

**Lab ID:** 2202153-011

**Matrix:** SOIL

**Received Date:** 2/3/2022 1:27:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	ND	60		mg/Kg	20	2/9/2022 12:24:07 AM	65437
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	2/8/2022 2:46:41 PM	65396
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/8/2022 2:46:41 PM	65396
Surr: DNOP	83.8	51.1-141		%Rec	1	2/8/2022 2:46:41 PM	65396
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/7/2022 7:25:27 PM	65387
Surr: BFB	123	70-130		%Rec	1	2/7/2022 7:25:27 PM	65387
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	2/7/2022 7:25:27 PM	65387
Toluene	ND	0.047		mg/Kg	1	2/7/2022 7:25:27 PM	65387
Ethylbenzene	ND	0.047		mg/Kg	1	2/7/2022 7:25:27 PM	65387
Xylenes, Total	ND	0.095		mg/Kg	1	2/7/2022 7:25:27 PM	65387
Surr: 4-Bromofluorobenzene	117	70-130		%Rec	1	2/7/2022 7:25:27 PM	65387

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

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

**Analytical Report**

Lab Order **2202153**

Date Reported: **2/11/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-51 3'

**Project:** Mallard

**Collection Date:** 2/1/2022 12:05:00 PM

**Lab ID:** 2202153-012

**Matrix:** SOIL

**Received Date:** 2/3/2022 1:27:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	1100	60		mg/Kg	20	2/9/2022 1:01:22 AM	65437
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	2/8/2022 3:51:32 PM	65400
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/8/2022 3:51:32 PM	65400
Surr: DNOP	83.0	51.1-141		%Rec	1	2/8/2022 3:51:32 PM	65400
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	2/7/2022 7:48:50 PM	65387
Surr: BFB	121	70-130		%Rec	1	2/7/2022 7:48:50 PM	65387
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.023		mg/Kg	1	2/7/2022 7:48:50 PM	65387
Toluene	ND	0.046		mg/Kg	1	2/7/2022 7:48:50 PM	65387
Ethylbenzene	ND	0.046		mg/Kg	1	2/7/2022 7:48:50 PM	65387
Xylenes, Total	ND	0.092		mg/Kg	1	2/7/2022 7:48:50 PM	65387
Surr: 4-Bromofluorobenzene	117	70-130		%Rec	1	2/7/2022 7:48:50 PM	65387

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

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

**Analytical Report**

Lab Order **2202153**

Date Reported: **2/11/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-51 6'

**Project:** Mallard

**Collection Date:** 2/1/2022 12:10:00 PM

**Lab ID:** 2202153-013

**Matrix:** SOIL

**Received Date:** 2/3/2022 1:27:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	270	60		mg/Kg	20	2/9/2022 1:13:47 AM	65437
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	2/8/2022 4:02:19 PM	65400
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/8/2022 4:02:19 PM	65400
Surr: DNOP	88.0	51.1-141		%Rec	1	2/8/2022 4:02:19 PM	65400
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/7/2022 8:12:13 PM	65387
Surr: BFB	117	70-130		%Rec	1	2/7/2022 8:12:13 PM	65387
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	2/7/2022 8:12:13 PM	65387
Toluene	ND	0.047		mg/Kg	1	2/7/2022 8:12:13 PM	65387
Ethylbenzene	ND	0.047		mg/Kg	1	2/7/2022 8:12:13 PM	65387
Xylenes, Total	ND	0.095		mg/Kg	1	2/7/2022 8:12:13 PM	65387
Surr: 4-Bromofluorobenzene	111	70-130		%Rec	1	2/7/2022 8:12:13 PM	65387

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

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

**Analytical Report**

Lab Order **2202153**

Date Reported: **2/11/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-52 0'

**Project:** Mallard

**Collection Date:** 2/1/2022 12:15:00 PM

**Lab ID:** 2202153-014

**Matrix:** SOIL

**Received Date:** 2/3/2022 1:27:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	ND	60		mg/Kg	20	2/9/2022 1:26:12 AM	65437
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	2/8/2022 4:13:06 PM	65400
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/8/2022 4:13:06 PM	65400
Surr: DNOP	86.6	51.1-141		%Rec	1	2/8/2022 4:13:06 PM	65400
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/7/2022 8:35:33 PM	65387
Surr: BFB	119	70-130		%Rec	1	2/7/2022 8:35:33 PM	65387
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	2/7/2022 8:35:33 PM	65387
Toluene	ND	0.047		mg/Kg	1	2/7/2022 8:35:33 PM	65387
Ethylbenzene	ND	0.047		mg/Kg	1	2/7/2022 8:35:33 PM	65387
Xylenes, Total	ND	0.095		mg/Kg	1	2/7/2022 8:35:33 PM	65387
Surr: 4-Bromofluorobenzene	115	70-130		%Rec	1	2/7/2022 8:35:33 PM	65387

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

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

**Analytical Report**

Lab Order **2202153**

Date Reported: **2/11/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-52 3'

**Project:** Mallard

**Collection Date:** 2/1/2022 12:20:00 PM

**Lab ID:** 2202153-015

**Matrix:** SOIL

**Received Date:** 2/3/2022 1:27:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	ND	60		mg/Kg	20	2/9/2022 1:38:38 AM	65437
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	2/8/2022 4:23:52 PM	65400
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/8/2022 4:23:52 PM	65400
Surr: DNOP	72.8	51.1-141		%Rec	1	2/8/2022 4:23:52 PM	65400
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/7/2022 9:22:06 PM	65387
Surr: BFB	118	70-130		%Rec	1	2/7/2022 9:22:06 PM	65387
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	2/7/2022 9:22:06 PM	65387
Toluene	ND	0.048		mg/Kg	1	2/7/2022 9:22:06 PM	65387
Ethylbenzene	ND	0.048		mg/Kg	1	2/7/2022 9:22:06 PM	65387
Xylenes, Total	ND	0.095		mg/Kg	1	2/7/2022 9:22:06 PM	65387
Surr: 4-Bromofluorobenzene	113	70-130		%Rec	1	2/7/2022 9:22:06 PM	65387

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

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

**Analytical Report**

Lab Order **2202153**

Date Reported: 2/11/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-52 6'

**Project:** Mallard

**Collection Date:** 2/1/2022 12:25:00 PM

**Lab ID:** 2202153-016

**Matrix:** SOIL

**Received Date:** 2/3/2022 1:27:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	ND	60		mg/Kg	20	2/9/2022 1:51:02 AM	65437
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	2/8/2022 4:34:37 PM	65400
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/8/2022 4:34:37 PM	65400
Surr: DNOP	83.4	51.1-141		%Rec	1	2/8/2022 4:34:37 PM	65400
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/7/2022 9:45:23 PM	65387
Surr: BFB	112	70-130		%Rec	1	2/7/2022 9:45:23 PM	65387
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	2/7/2022 9:45:23 PM	65387
Toluene	ND	0.048		mg/Kg	1	2/7/2022 9:45:23 PM	65387
Ethylbenzene	ND	0.048		mg/Kg	1	2/7/2022 9:45:23 PM	65387
Xylenes, Total	ND	0.097		mg/Kg	1	2/7/2022 9:45:23 PM	65387
Surr: 4-Bromofluorobenzene	108	70-130		%Rec	1	2/7/2022 9:45:23 PM	65387

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

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2202153

11-Feb-22

**Client:** EOG  
**Project:** Mallard

Sample ID: <b>MB-65426</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65426</b>	RunNo: <b>85698</b>								
Prep Date: <b>2/8/2022</b>	Analysis Date: <b>2/8/2022</b>	SeqNo: <b>3017164</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-65426</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65426</b>	RunNo: <b>85698</b>								
Prep Date: <b>2/8/2022</b>	Analysis Date: <b>2/8/2022</b>	SeqNo: <b>3017165</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.8	90	110			

Sample ID: <b>MB-65437</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65437</b>	RunNo: <b>85698</b>								
Prep Date: <b>2/8/2022</b>	Analysis Date: <b>2/8/2022</b>	SeqNo: <b>3017196</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-65437</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65437</b>	RunNo: <b>85698</b>								
Prep Date: <b>2/8/2022</b>	Analysis Date: <b>2/8/2022</b>	SeqNo: <b>3017197</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.9	90	110			

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E 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#: 2202153

11-Feb-22

**Client:** EOG  
**Project:** Mallard

Sample ID: <b>LCS-65396</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65396</b>	RunNo: <b>85689</b>								
Prep Date: <b>2/7/2022</b>	Analysis Date: <b>2/8/2022</b>	SeqNo: <b>3016913</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	90.6	68.9	135			
Surr: DNOP	4.1		5.000		81.8	51.1	141			

Sample ID: <b>LCS-65400</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65400</b>	RunNo: <b>85689</b>								
Prep Date: <b>2/7/2022</b>	Analysis Date: <b>2/8/2022</b>	SeqNo: <b>3016915</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.00	0	86.0	68.9	135			
Surr: DNOP	4.1		5.000		81.1	51.1	141			

Sample ID: <b>MB-65396</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65396</b>	RunNo: <b>85689</b>								
Prep Date: <b>2/7/2022</b>	Analysis Date: <b>2/8/2022</b>	SeqNo: <b>3016916</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.0		10.00		89.9	51.1	141			

Sample ID: <b>MB-65400</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65400</b>	RunNo: <b>85689</b>								
Prep Date: <b>2/7/2022</b>	Analysis Date: <b>2/8/2022</b>	SeqNo: <b>3016918</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.3		10.00		93.5	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 Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2202153

11-Feb-22

**Client:** EOG  
**Project:** Mallard

Sample ID: <b>mb-65387</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65387</b>	RunNo: <b>85651</b>								
Prep Date: <b>2/4/2022</b>	Analysis Date: <b>2/7/2022</b>	SeqNo: <b>3015358</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1300		1000		127	70	130			

Sample ID: <b>ics-65387</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65387</b>	RunNo: <b>85651</b>								
Prep Date: <b>2/4/2022</b>	Analysis Date: <b>2/7/2022</b>	SeqNo: <b>3015359</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	101	78.6	131			
Surr: BFB	1200		1000		123	70	130			

**Qualifiers:**

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2202153

11-Feb-22

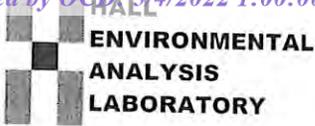
**Client:** EOG  
**Project:** Mallard

Sample ID: <b>mb-65387</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65387</b>	RunNo: <b>85651</b>								
Prep Date: <b>2/4/2022</b>	Analysis Date: <b>2/7/2022</b>	SeqNo: <b>3015392</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.2		1.000		118	70	130			

Sample ID: <b>LCS-65387</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65387</b>	RunNo: <b>85651</b>								
Prep Date: <b>2/4/2022</b>	Analysis Date: <b>2/7/2022</b>	SeqNo: <b>3015393</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.025	1.000	0	98.2	80	120			
Toluene	1.0	0.050	1.000	0	100	80	120			
Ethylbenzene	1.0	0.050	1.000	0	102	80	120			
Xylenes, Total	3.1	0.10	3.000	0	102	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		107	70	130			

**Qualifiers:**

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

Work Order Number: 2202153

RcptNo: 1

Received By: Cheyenne Cason 2/3/2022 1:27:00 PM

Handwritten signature

Completed By: Cheyenne Cason 2/3/2022 2:44:10 PM

Handwritten signature

Reviewed By: DAD 02/03/22

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [ ] Not Present [ ]
2. How was the sample delivered? Client

Log In

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

# of preserved bottles checked for pH: (<2 or >12 unless noted) Adjusted? Checked by: [signature] 2-3-22

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [ ] No [ ] NA [checked]

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

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 1.3, Good, Not Present, [ ], [ ], [ ]

# Chain-of-Custody Record

Client: EOG

Mailing Address: on file

Phone #: \_\_\_\_\_

email or Fax#: \_\_\_\_\_

QA/QC Package:

Standard  Level 4 (Full Validation)

Accreditation:  Az Compliance  NELAC  Other

EDD (Type) \_\_\_\_\_

Turn-Around Time: 5- Day

Standard  Rush

Project Name: Mallard

Project #: 22E-00123-008

Project Manager: MORICA REPPIN

Sampler: Chance Dixon

On Ice:  Yes  No

# of Coolers: 1 1,4-0,1,2,1,3

Cooler Temp (including CF): 1,4-1,3,2,1 (°C)

Container Type and # 402 Preservative Type ICE HEAL No. 2202153



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

**Analysis Request**

BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCBs	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub>	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
----------------------------	----------------------------	---------------------------	--------------------	--------------------------	---------------	--	------------	-----------------	---------------------------------

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
2/1	9:30	SO17	BH22-45 9'	402	ICE	2202153
	9:35		BH22-45 12'			002
	9:40		BH22-46 9'			003
	9:45		BH22-46 12'			004
	11:30		BH22-49 0'			005
	11:35		BH22-49 3'			006
	11:40		BH22-49 6'			007
	11:45		BH22-50 0'			008
	11:50		BH22-50 3'			009
	11:55		BH22-50 6'			010
	12:00		BH22-51 0'			011
	12:05		BH22-51 3'			012

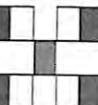
Received by: [Signature] Date: 2/2/22 Time: 1:00

Relinquished by: [Signature] Date: 2/2/22 Time: 1:37

Remarks: CC: Chance Dixon  
Direct B.71 EOG

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

# Chain-of-Custody Record



## HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Turn-Around Time: 5-1 Day

Standard  Rush

Project Name: Maillard

Project #: 22E-00123-008

Project Manager: Monica Perrin

Sampler: Chance Dixon

On Ice:  Yes  No

# of Coolers: 1

Cooler Temp (including CF): 1.4 -0.1 = 1.3 (°C)

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
2/1	12:10	SOI	BH22-51 6'	4 OZ	ICE	2202153
	12:15		BH22-52 0'			013
	12:20		BH22-52 3'			014
	12:25		BH22-52 6'			015
						016

### Analysis Request

<input checked="" type="checkbox"/> BTEX / MTBE / TMB's (8021)	<input checked="" type="checkbox"/> TPH:8015D(GRO / DRO / MRO)	<input type="checkbox"/> 8081 Pesticides/8082 PCBs	<input type="checkbox"/> EDB (Method 504.1)	<input type="checkbox"/> PAHs by 8310 or 8270SIMS	<input type="checkbox"/> RCRA 8 Metals	<input type="checkbox"/> Cl, F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub>	<input type="checkbox"/> 8260 (VOA)	<input type="checkbox"/> 8270 (Semi-VOA)	<input type="checkbox"/> Total Coliform (Present/Absent)
--	--	--	---	---	--	---	-------------------------------------	--	--

Remarks: CC: Chance Dixon  
Direct B77 E03

Received by: [Signature] Date: 2/2/22 Time: 1000

Relinquished by: [Signature] Date: 2/3/22 Time: 1327

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



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

February 15, 2022

Monica Peppin

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX

RE: Mallard

OrderNo.: 2202251

Dear Monica Peppin:

Hall Environmental Analysis Laboratory received 18 sample(s) on 2/5/2022 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](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

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

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

**Analytical Report**

Lab Order **2202251**

Date Reported: 2/15/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-53 0'

**Project:** Mallard

**Collection Date:** 2/2/2022 8:00:00 AM

**Lab ID:** 2202251-001

**Matrix:** SOIL

**Received Date:** 2/5/2022 8:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	4300	150		mg/Kg	50	2/10/2022 5:07:45 AM	65437
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	2/8/2022 9:09:21 PM	65399
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/8/2022 9:09:21 PM	65399
Surr: DNOP	84.1	51.1-141		%Rec	1	2/8/2022 9:09:21 PM	65399
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/8/2022 6:15:45 PM	65397
Surr: BFB	127	70-130		%Rec	1	2/8/2022 6:15:45 PM	65397
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	2/8/2022 6:15:45 PM	65397
Toluene	ND	0.047		mg/Kg	1	2/8/2022 6:15:45 PM	65397
Ethylbenzene	ND	0.047		mg/Kg	1	2/8/2022 6:15:45 PM	65397
Xylenes, Total	ND	0.094		mg/Kg	1	2/8/2022 6:15:45 PM	65397
Surr: 4-Bromofluorobenzene	118	70-130		%Rec	1	2/8/2022 6:15:45 PM	65397

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

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

**Analytical Report**

Lab Order **2202251**

Date Reported: 2/15/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-53 6'

**Project:** Mallard

**Collection Date:** 2/2/2022 8:05:00 AM

**Lab ID:** 2202251-002

**Matrix:** SOIL

**Received Date:** 2/5/2022 8:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	2200	60		mg/Kg	20	2/9/2022 4:19:59 AM	65437
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	2/8/2022 9:20:06 PM	65399
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/8/2022 9:20:06 PM	65399
Surr: DNOP	84.8	51.1-141		%Rec	1	2/8/2022 9:20:06 PM	65399
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/8/2022 6:39:35 PM	65397
Surr: BFB	123	70-130		%Rec	1	2/8/2022 6:39:35 PM	65397
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	2/8/2022 6:39:35 PM	65397
Toluene	ND	0.048		mg/Kg	1	2/8/2022 6:39:35 PM	65397
Ethylbenzene	ND	0.048		mg/Kg	1	2/8/2022 6:39:35 PM	65397
Xylenes, Total	ND	0.096		mg/Kg	1	2/8/2022 6:39:35 PM	65397
Surr: 4-Bromofluorobenzene	115	70-130		%Rec	1	2/8/2022 6:39:35 PM	65397

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

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

**Analytical Report**

Lab Order **2202251**

Date Reported: 2/15/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-53 12'

**Project:** Mallard

**Collection Date:** 2/2/2022 8:10:00 AM

**Lab ID:** 2202251-003

**Matrix:** SOIL

**Received Date:** 2/5/2022 8:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	1500	59		mg/Kg	20	2/9/2022 4:32:24 AM	65437
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	2/8/2022 9:30:45 PM	65399
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	2/8/2022 9:30:45 PM	65399
Surr: DNOP	86.8	51.1-141		%Rec	1	2/8/2022 9:30:45 PM	65399
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/8/2022 7:03:26 PM	65397
Surr: BFB	125	70-130		%Rec	1	2/8/2022 7:03:26 PM	65397
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	2/8/2022 7:03:26 PM	65397
Toluene	ND	0.048		mg/Kg	1	2/8/2022 7:03:26 PM	65397
Ethylbenzene	ND	0.048		mg/Kg	1	2/8/2022 7:03:26 PM	65397
Xylenes, Total	ND	0.096		mg/Kg	1	2/8/2022 7:03:26 PM	65397
Surr: 4-Bromofluorobenzene	119	70-130		%Rec	1	2/8/2022 7:03:26 PM	65397

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

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

**Analytical Report**

Lab Order **2202251**

Date Reported: 2/15/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-54 0'

**Project:** Mallard

**Collection Date:** 2/2/2022 8:15:00 AM

**Lab ID:** 2202251-004

**Matrix:** SOIL

**Received Date:** 2/5/2022 8:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	1100	60		mg/Kg	20	2/9/2022 4:44:48 AM	65437
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	2/8/2022 9:41:28 PM	65399
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/8/2022 9:41:28 PM	65399
Surr: DNOP	98.0	51.1-141		%Rec	1	2/8/2022 9:41:28 PM	65399
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/8/2022 7:27:13 PM	65397
Surr: BFB	120	70-130		%Rec	1	2/8/2022 7:27:13 PM	65397
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	2/8/2022 7:27:13 PM	65397
Toluene	ND	0.049		mg/Kg	1	2/8/2022 7:27:13 PM	65397
Ethylbenzene	ND	0.049		mg/Kg	1	2/8/2022 7:27:13 PM	65397
Xylenes, Total	ND	0.097		mg/Kg	1	2/8/2022 7:27:13 PM	65397
Surr: 4-Bromofluorobenzene	114	70-130		%Rec	1	2/8/2022 7:27:13 PM	65397

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

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

**Analytical Report**

Lab Order **2202251**

Date Reported: 2/15/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-54 6'

**Project:** Mallard

**Collection Date:** 2/2/2022 8:20:00 AM

**Lab ID:** 2202251-005

**Matrix:** SOIL

**Received Date:** 2/5/2022 8:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	470	60		mg/Kg	20	2/9/2022 4:57:13 AM	65437
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	2/8/2022 9:52:24 PM	65399
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/8/2022 9:52:24 PM	65399
Surr: DNOP	86.0	51.1-141		%Rec	1	2/8/2022 9:52:24 PM	65399
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/8/2022 7:50:59 PM	65397
Surr: BFB	122	70-130		%Rec	1	2/8/2022 7:50:59 PM	65397
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	2/8/2022 7:50:59 PM	65397
Toluene	ND	0.048		mg/Kg	1	2/8/2022 7:50:59 PM	65397
Ethylbenzene	ND	0.048		mg/Kg	1	2/8/2022 7:50:59 PM	65397
Xylenes, Total	ND	0.097		mg/Kg	1	2/8/2022 7:50:59 PM	65397
Surr: 4-Bromofluorobenzene	117	70-130		%Rec	1	2/8/2022 7:50:59 PM	65397

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

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

**Analytical Report**

Lab Order **2202251**

Date Reported: 2/15/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG  
**Project:** Mallard  
**Lab ID:** 2202251-006

**Matrix:** SOIL

**Client Sample ID:** BH22-54 12'  
**Collection Date:** 2/2/2022 8:25:00 AM  
**Received Date:** 2/5/2022 8:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	280	60		mg/Kg	20	2/9/2022 5:09:38 AM	65437
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	2/8/2022 10:03:18 PM	65399
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/8/2022 10:03:18 PM	65399
Surr: DNOP	98.9	51.1-141		%Rec	1	2/8/2022 10:03:18 PM	65399
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/8/2022 8:14:37 PM	65397
Surr: BFB	112	70-130		%Rec	1	2/8/2022 8:14:37 PM	65397
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	2/8/2022 8:14:37 PM	65397
Toluene	ND	0.049		mg/Kg	1	2/8/2022 8:14:37 PM	65397
Ethylbenzene	ND	0.049		mg/Kg	1	2/8/2022 8:14:37 PM	65397
Xylenes, Total	ND	0.099		mg/Kg	1	2/8/2022 8:14:37 PM	65397
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	2/8/2022 8:14:37 PM	65397

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

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

**Analytical Report**

Lab Order **2202251**

Date Reported: **2/15/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-55 0'

**Project:** Mallard

**Collection Date:** 2/2/2022 8:30:00 AM

**Lab ID:** 2202251-007

**Matrix:** SOIL

**Received Date:** 2/5/2022 8:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	1200	60		mg/Kg	20	2/9/2022 3:28:54 PM	65445
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	2/8/2022 10:14:08 PM	65399
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/8/2022 10:14:08 PM	65399
Surr: DNOP	96.4	51.1-141		%Rec	1	2/8/2022 10:14:08 PM	65399
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/8/2022 8:38:13 PM	65397
Surr: BFB	116	70-130		%Rec	1	2/8/2022 8:38:13 PM	65397
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	2/8/2022 8:38:13 PM	65397
Toluene	ND	0.049		mg/Kg	1	2/8/2022 8:38:13 PM	65397
Ethylbenzene	ND	0.049		mg/Kg	1	2/8/2022 8:38:13 PM	65397
Xylenes, Total	ND	0.098		mg/Kg	1	2/8/2022 8:38:13 PM	65397
Surr: 4-Bromofluorobenzene	113	70-130		%Rec	1	2/8/2022 8:38:13 PM	65397

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

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

**Analytical Report**

Lab Order **2202251**

Date Reported: 2/15/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-55 6'

**Project:** Mallard

**Collection Date:** 2/2/2022 8:35:00 AM

**Lab ID:** 2202251-008

**Matrix:** SOIL

**Received Date:** 2/5/2022 8:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	810	60		mg/Kg	20	2/9/2022 4:55:45 PM	65445
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	2/8/2022 10:25:01 PM	65399
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/8/2022 10:25:01 PM	65399
Surr: DNOP	87.4	51.1-141		%Rec	1	2/8/2022 10:25:01 PM	65399
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/8/2022 9:01:50 PM	65397
Surr: BFB	119	70-130		%Rec	1	2/8/2022 9:01:50 PM	65397
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	2/8/2022 9:01:50 PM	65397
Toluene	ND	0.048		mg/Kg	1	2/8/2022 9:01:50 PM	65397
Ethylbenzene	ND	0.048		mg/Kg	1	2/8/2022 9:01:50 PM	65397
Xylenes, Total	ND	0.096		mg/Kg	1	2/8/2022 9:01:50 PM	65397
Surr: 4-Bromofluorobenzene	113	70-130		%Rec	1	2/8/2022 9:01:50 PM	65397

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

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

**Analytical Report**

Lab Order **2202251**

Date Reported: 2/15/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-55 12'

**Project:** Mallard

**Collection Date:** 2/2/2022 8:40:00 AM

**Lab ID:** 2202251-009

**Matrix:** SOIL

**Received Date:** 2/5/2022 8:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	110	61		mg/Kg	20	2/9/2022 5:32:59 PM	65445
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	2/8/2022 10:35:50 PM	65399
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/8/2022 10:35:50 PM	65399
Surr: DNOP	94.5	51.1-141		%Rec	1	2/8/2022 10:35:50 PM	65399
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/8/2022 10:12:29 PM	65397
Surr: BFB	117	70-130		%Rec	1	2/8/2022 10:12:29 PM	65397
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	2/8/2022 10:12:29 PM	65397
Toluene	ND	0.049		mg/Kg	1	2/8/2022 10:12:29 PM	65397
Ethylbenzene	ND	0.049		mg/Kg	1	2/8/2022 10:12:29 PM	65397
Xylenes, Total	ND	0.098		mg/Kg	1	2/8/2022 10:12:29 PM	65397
Surr: 4-Bromofluorobenzene	112	70-130		%Rec	1	2/8/2022 10:12:29 PM	65397

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

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

**Analytical Report**

Lab Order **2202251**

Date Reported: **2/15/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-56 0'

**Project:** Mallard

**Collection Date:** 2/2/2022 8:45:00 AM

**Lab ID:** 2202251-010

**Matrix:** SOIL

**Received Date:** 2/5/2022 8:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	2/9/2022 5:45:24 PM	65445
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	2/8/2022 10:46:37 PM	65399
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/8/2022 10:46:37 PM	65399
Surr: DNOP	97.7	51.1-141		%Rec	1	2/8/2022 10:46:37 PM	65399
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/8/2022 10:35:54 PM	65397
Surr: BFB	118	70-130		%Rec	1	2/8/2022 10:35:54 PM	65397
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	2/8/2022 10:35:54 PM	65397
Toluene	ND	0.048		mg/Kg	1	2/8/2022 10:35:54 PM	65397
Ethylbenzene	ND	0.048		mg/Kg	1	2/8/2022 10:35:54 PM	65397
Xylenes, Total	ND	0.096		mg/Kg	1	2/8/2022 10:35:54 PM	65397
Surr: 4-Bromofluorobenzene	114	70-130		%Rec	1	2/8/2022 10:35:54 PM	65397

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

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

**Analytical Report**

Lab Order **2202251**

Date Reported: 2/15/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-56 3'

**Project:** Mallard

**Collection Date:** 2/2/2022 8:50:00 AM

**Lab ID:** 2202251-011

**Matrix:** SOIL

**Received Date:** 2/5/2022 8:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	280	60		mg/Kg	20	2/9/2022 10:05:56 PM	65463
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	2/8/2022 10:57:25 PM	65399
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/8/2022 10:57:25 PM	65399
Surr: DNOP	56.1	51.1-141		%Rec	1	2/8/2022 10:57:25 PM	65399
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/8/2022 10:59:23 PM	65397
Surr: BFB	122	70-130		%Rec	1	2/8/2022 10:59:23 PM	65397
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	2/8/2022 10:59:23 PM	65397
Toluene	ND	0.047		mg/Kg	1	2/8/2022 10:59:23 PM	65397
Ethylbenzene	ND	0.047		mg/Kg	1	2/8/2022 10:59:23 PM	65397
Xylenes, Total	ND	0.095		mg/Kg	1	2/8/2022 10:59:23 PM	65397
Surr: 4-Bromofluorobenzene	115	70-130		%Rec	1	2/8/2022 10:59:23 PM	65397

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

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

**Analytical Report**

Lab Order **2202251**

Date Reported: 2/15/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-56 6'

**Project:** Mallard

**Collection Date:** 2/2/2022 8:55:00 AM

**Lab ID:** 2202251-012

**Matrix:** SOIL

**Received Date:** 2/5/2022 8:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	210	60		mg/Kg	20	2/9/2022 10:18:21 PM	65463
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	2/8/2022 11:08:12 PM	65399
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/8/2022 11:08:12 PM	65399
Surr: DNOP	69.1	51.1-141		%Rec	1	2/8/2022 11:08:12 PM	65399
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/8/2022 11:22:48 PM	65397
Surr: BFB	116	70-130		%Rec	1	2/8/2022 11:22:48 PM	65397
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	2/8/2022 11:22:48 PM	65397
Toluene	ND	0.049		mg/Kg	1	2/8/2022 11:22:48 PM	65397
Ethylbenzene	ND	0.049		mg/Kg	1	2/8/2022 11:22:48 PM	65397
Xylenes, Total	ND	0.099		mg/Kg	1	2/8/2022 11:22:48 PM	65397
Surr: 4-Bromofluorobenzene	112	70-130		%Rec	1	2/8/2022 11:22:48 PM	65397

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

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

**Analytical Report**

Lab Order **2202251**

Date Reported: 2/15/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-57 0'

**Project:** Mallard

**Collection Date:** 2/2/2022 9:00:00 AM

**Lab ID:** 2202251-013

**Matrix:** SOIL

**Received Date:** 2/5/2022 8:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	59		mg/Kg	20	2/9/2022 10:30:45 PM	65463
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	2/8/2022 11:18:58 PM	65399
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/8/2022 11:18:58 PM	65399
Surr: DNOP	63.8	51.1-141		%Rec	1	2/8/2022 11:18:58 PM	65399
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	2/8/2022 11:46:10 PM	65397
Surr: BFB	109	70-130		%Rec	1	2/8/2022 11:46:10 PM	65397
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.023		mg/Kg	1	2/8/2022 11:46:10 PM	65397
Toluene	ND	0.046		mg/Kg	1	2/8/2022 11:46:10 PM	65397
Ethylbenzene	ND	0.046		mg/Kg	1	2/8/2022 11:46:10 PM	65397
Xylenes, Total	ND	0.092		mg/Kg	1	2/8/2022 11:46:10 PM	65397
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	2/8/2022 11:46:10 PM	65397

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

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

**Analytical Report**

Lab Order **2202251**

Date Reported: 2/15/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG  
**Project:** Mallard  
**Lab ID:** 2202251-014

**Matrix:** SOIL

**Client Sample ID:** BH22-57 3'  
**Collection Date:** 2/2/2022 9:05:00 AM  
**Received Date:** 2/5/2022 8:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	1900	60		mg/Kg	20	2/9/2022 10:43:09 PM	65463
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	2/8/2022 11:29:43 PM	65399
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/8/2022 11:29:43 PM	65399
Surr: DNOP	64.2	51.1-141		%Rec	1	2/8/2022 11:29:43 PM	65399
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/9/2022 12:09:34 AM	65397
Surr: BFB	110	70-130		%Rec	1	2/9/2022 12:09:34 AM	65397
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	2/9/2022 12:09:34 AM	65397
Toluene	ND	0.048		mg/Kg	1	2/9/2022 12:09:34 AM	65397
Ethylbenzene	ND	0.048		mg/Kg	1	2/9/2022 12:09:34 AM	65397
Xylenes, Total	ND	0.096		mg/Kg	1	2/9/2022 12:09:34 AM	65397
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	2/9/2022 12:09:34 AM	65397

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

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

**Analytical Report**

Lab Order **2202251**

Date Reported: 2/15/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-57 6'

**Project:** Mallard

**Collection Date:** 2/2/2022 9:10:00 AM

**Lab ID:** 2202251-015

**Matrix:** SOIL

**Received Date:** 2/5/2022 8:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	1400	60		mg/Kg	20	2/10/2022 8:55:25 PM	65489
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	2/8/2022 11:40:27 PM	65399
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/8/2022 11:40:27 PM	65399
Surr: DNOP	69.4	51.1-141		%Rec	1	2/8/2022 11:40:27 PM	65399
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/9/2022 12:32:53 AM	65397
Surr: BFB	110	70-130		%Rec	1	2/9/2022 12:32:53 AM	65397
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	2/9/2022 12:32:53 AM	65397
Toluene	ND	0.048		mg/Kg	1	2/9/2022 12:32:53 AM	65397
Ethylbenzene	ND	0.048		mg/Kg	1	2/9/2022 12:32:53 AM	65397
Xylenes, Total	ND	0.096		mg/Kg	1	2/9/2022 12:32:53 AM	65397
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	2/9/2022 12:32:53 AM	65397

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

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

**Analytical Report**

Lab Order **2202251**

Date Reported: 2/15/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG  
**Project:** Mallard  
**Lab ID:** 2202251-016

**Matrix:** SOIL

**Client Sample ID:** BH22-58 0'  
**Collection Date:** 2/2/2022 9:15:00 AM  
**Received Date:** 2/5/2022 8:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	2/10/2022 9:57:28 PM	65489
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	12	9.8		mg/Kg	1	2/8/2022 4:45:20 PM	65400
Motor Oil Range Organics (MRO)	57	49		mg/Kg	1	2/8/2022 4:45:20 PM	65400
Surr: DNOP	67.0	51.1-141		%Rec	1	2/8/2022 4:45:20 PM	65400
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/8/2022 12:04:00 PM	65402
Surr: BFB	98.4	70-130		%Rec	1	2/8/2022 12:04:00 PM	65402
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	2/8/2022 12:04:00 PM	65402
Toluene	ND	0.048		mg/Kg	1	2/8/2022 12:04:00 PM	65402
Ethylbenzene	ND	0.048		mg/Kg	1	2/8/2022 12:04:00 PM	65402
Xylenes, Total	ND	0.095		mg/Kg	1	2/8/2022 12:04:00 PM	65402
Surr: 4-Bromofluorobenzene	92.1	70-130		%Rec	1	2/8/2022 12:04:00 PM	65402

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

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

**Analytical Report**

Lab Order **2202251**

Date Reported: 2/15/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-58 3'

**Project:** Mallard

**Collection Date:** 2/2/2022 9:20:00 AM

**Lab ID:** 2202251-017

**Matrix:** SOIL

**Received Date:** 2/5/2022 8:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	1600	60		mg/Kg	20	2/10/2022 10:09:53 PM	65489
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	2/8/2022 4:56:03 PM	65400
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/8/2022 4:56:03 PM	65400
Surr: DNOP	87.9	51.1-141		%Rec	1	2/8/2022 4:56:03 PM	65400
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/8/2022 1:03:00 PM	65402
Surr: BFB	103	70-130		%Rec	1	2/8/2022 1:03:00 PM	65402
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	2/8/2022 1:03:00 PM	65402
Toluene	ND	0.048		mg/Kg	1	2/8/2022 1:03:00 PM	65402
Ethylbenzene	ND	0.048		mg/Kg	1	2/8/2022 1:03:00 PM	65402
Xylenes, Total	ND	0.096		mg/Kg	1	2/8/2022 1:03:00 PM	65402
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	2/8/2022 1:03:00 PM	65402

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

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

**Analytical Report**

Lab Order **2202251**

Date Reported: 2/15/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-58 6'

**Project:** Mallard

**Collection Date:** 2/2/2022 9:25:00 AM

**Lab ID:** 2202251-018

**Matrix:** SOIL

**Received Date:** 2/5/2022 8:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	1000	60		mg/Kg	20	2/10/2022 10:22:17 PM	65489
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	2/8/2022 5:06:47 PM	65400
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/8/2022 5:06:47 PM	65400
Surr: DNOP	88.5	51.1-141		%Rec	1	2/8/2022 5:06:47 PM	65400
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/8/2022 2:02:00 PM	65402
Surr: BFB	100	70-130		%Rec	1	2/8/2022 2:02:00 PM	65402
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	2/8/2022 2:02:00 PM	65402
Toluene	ND	0.049		mg/Kg	1	2/8/2022 2:02:00 PM	65402
Ethylbenzene	ND	0.049		mg/Kg	1	2/8/2022 2:02:00 PM	65402
Xylenes, Total	ND	0.097		mg/Kg	1	2/8/2022 2:02:00 PM	65402
Surr: 4-Bromofluorobenzene	98.5	70-130		%Rec	1	2/8/2022 2:02:00 PM	65402

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

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2202251

15-Feb-22

**Client:** EOG  
**Project:** Mallard

Sample ID: <b>MB-65437</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65437</b>	RunNo: <b>85698</b>								
Prep Date: <b>2/8/2022</b>	Analysis Date: <b>2/8/2022</b>	SeqNo: <b>3017196</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-65437</b>	SampType: <b>ics</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65437</b>	RunNo: <b>85698</b>								
Prep Date: <b>2/8/2022</b>	Analysis Date: <b>2/8/2022</b>	SeqNo: <b>3017197</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.9	90	110			

Sample ID: <b>MB-65445</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65445</b>	RunNo: <b>85731</b>								
Prep Date: <b>2/9/2022</b>	Analysis Date: <b>2/9/2022</b>	SeqNo: <b>3018231</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-65445</b>	SampType: <b>ics</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65445</b>	RunNo: <b>85731</b>								
Prep Date: <b>2/9/2022</b>	Analysis Date: <b>2/9/2022</b>	SeqNo: <b>3018232</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.8	90	110			

Sample ID: <b>MB-65463</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65463</b>	RunNo: <b>85731</b>								
Prep Date: <b>2/9/2022</b>	Analysis Date: <b>2/9/2022</b>	SeqNo: <b>3018265</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	ND	0.30								
Chloride	ND	1.5								
Bromide	ND	0.30								
Nitrogen, Nitrate (As N)	ND	0.30								
Sulfate	ND	1.5								

Sample ID: <b>LCS-65463</b>	SampType: <b>ics</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65463</b>	RunNo: <b>85731</b>								
Prep Date: <b>2/9/2022</b>	Analysis Date: <b>2/9/2022</b>	SeqNo: <b>3018266</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	1.5	0.30	1.500	0	99.4	90	110			

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix 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#: 2202251

15-Feb-22

**Client:** EOG  
**Project:** Mallard

Sample ID: <b>LCS-65463</b>	SampType: <b>ics</b>		TestCode: <b>EPA Method 300.0: Anions</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>65463</b>		RunNo: <b>85731</b>							
Prep Date: <b>2/9/2022</b>	Analysis Date: <b>2/9/2022</b>		SeqNo: <b>3018266</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.1	90	110			
Bromide	7.4	0.30	7.500	0	98.9	90	110			
Nitrogen, Nitrate (As N)	7.6	0.30	7.500	0	102	90	110			
Sulfate	28	1.5	30.00	0	94.5	90	110			

Sample ID: <b>MB-65489</b>	SampType: <b>mblk</b>		TestCode: <b>EPA Method 300.0: Anions</b>							
Client ID: <b>PBS</b>	Batch ID: <b>65489</b>		RunNo: <b>85766</b>							
Prep Date: <b>2/10/2022</b>	Analysis Date: <b>2/10/2022</b>		SeqNo: <b>3019617</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-65489</b>	SampType: <b>ics</b>		TestCode: <b>EPA Method 300.0: Anions</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>65489</b>		RunNo: <b>85766</b>							
Prep Date: <b>2/10/2022</b>	Analysis Date: <b>2/10/2022</b>		SeqNo: <b>3019618</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	90.4	90	110			

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix 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#: 2202251

15-Feb-22

**Client:** EOG  
**Project:** Mallard

Sample ID: <b>LCS-65399</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>65399</b>		RunNo: <b>85689</b>							
Prep Date: <b>2/7/2022</b>	Analysis Date: <b>2/8/2022</b>		SeqNo: <b>3016914</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	10	50.00	0	83.6	68.9	135			
Surr: DNOP	3.7		5.000		73.3	51.1	141			

Sample ID: <b>LCS-65400</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>65400</b>		RunNo: <b>85689</b>							
Prep Date: <b>2/7/2022</b>	Analysis Date: <b>2/8/2022</b>		SeqNo: <b>3016915</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.00	0	86.0	68.9	135			
Surr: DNOP	4.1		5.000		81.1	51.1	141			

Sample ID: <b>MB-65399</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>PBS</b>	Batch ID: <b>65399</b>		RunNo: <b>85689</b>							
Prep Date: <b>2/7/2022</b>	Analysis Date: <b>2/8/2022</b>		SeqNo: <b>3016917</b>		Units: <b>mg/Kg</b>					
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		114	51.1	141			

Sample ID: <b>MB-65400</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>PBS</b>	Batch ID: <b>65400</b>		RunNo: <b>85689</b>							
Prep Date: <b>2/7/2022</b>	Analysis Date: <b>2/8/2022</b>		SeqNo: <b>3016918</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.3		10.00		93.5	51.1	141			

**Qualifiers:**

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

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2202251

15-Feb-22

**Client:** EOG  
**Project:** Mallard

Sample ID: <b>mb-65397</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65397</b>	RunNo: <b>85685</b>								
Prep Date: <b>2/7/2022</b>	Analysis Date: <b>2/8/2022</b>	SeqNo: <b>3016649</b>	Units: <b>mg/Kg</b>							
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		122	70	130			

Sample ID: <b>lcs-65397</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65397</b>	RunNo: <b>85685</b>								
Prep Date: <b>2/7/2022</b>	Analysis Date: <b>2/8/2022</b>	SeqNo: <b>3016650</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	29	5.0	25.00	0	115	78.6	131			
Surr: BFB	1300		1000		134	70	130			S

Sample ID: <b>lcs-65402</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65402</b>	RunNo: <b>85687</b>								
Prep Date: <b>2/7/2022</b>	Analysis Date: <b>2/8/2022</b>	SeqNo: <b>3016794</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	104	78.6	131			
Surr: BFB	1100		1000		110	70	130			

Sample ID: <b>mb-65402</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65402</b>	RunNo: <b>85687</b>								
Prep Date: <b>2/7/2022</b>	Analysis Date: <b>2/8/2022</b>	SeqNo: <b>3016795</b>	Units: <b>mg/Kg</b>							
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		102	70	130			

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix 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#: 2202251

15-Feb-22

**Client:** EOG  
**Project:** Mallard

Sample ID: <b>mb-65397</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65397</b>	RunNo: <b>85685</b>								
Prep Date: <b>2/7/2022</b>	Analysis Date: <b>2/8/2022</b>	SeqNo: <b>3016691</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.2		1.000		116	70	130			

Sample ID: <b>LCS-65397</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65397</b>	RunNo: <b>85685</b>								
Prep Date: <b>2/7/2022</b>	Analysis Date: <b>2/8/2022</b>	SeqNo: <b>3016692</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.025	1.000	0	97.7	80	120			
Toluene	1.0	0.050	1.000	0	100	80	120			
Ethylbenzene	1.0	0.050	1.000	0	101	80	120			
Xylenes, Total	3.1	0.10	3.000	0	102	80	120			
Surr: 4-Bromofluorobenzene	1.2		1.000		117	70	130			

Sample ID: <b>lcs-65402</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65402</b>	RunNo: <b>85687</b>								
Prep Date: <b>2/7/2022</b>	Analysis Date: <b>2/8/2022</b>	SeqNo: <b>3016924</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	101	80	120			
Toluene	0.99	0.050	1.000	0	98.7	80	120			
Ethylbenzene	0.98	0.050	1.000	0	98.1	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.2	80	120			
Surr: 4-Bromofluorobenzene	0.93		1.000		93.0	70	130			

Sample ID: <b>mb-65402</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65402</b>	RunNo: <b>85687</b>								
Prep Date: <b>2/7/2022</b>	Analysis Date: <b>2/8/2022</b>	SeqNo: <b>3016925</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.95		1.000		94.5	70	130			

**Qualifiers:**

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



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: EOG

Work Order Number: 2202251

RcptNo: 1

Received By: Cheyenne Cason 2/5/2022 8:50:00 AM

Handwritten signature

Completed By: Cheyenne Cason 2/5/2022 9:04:20 AM

Handwritten signature

Reviewed By: [Signature] 02/05/2022

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [ ] Not Present [ ]
2. How was the sample delivered? Courier

Log In

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

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

Checked by [Signature] 2/5/22

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [ ] No [ ] NA [checked]

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

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 0.0, Good, Not Present, [ ], [ ], [ ]

# Chain-of-Custody Record

Client: EOG

EOG

Mailing Address: OR Fire

OR Fire

Phone #:

email or Fax#:

QA/QC Package:

Standard  Level 4 (Full Validation)

Accreditation:  Az Compliance

NELAC  Other

EDD (Type)

Turn-Around Time: 5- Day

Standard  Rush

Project Name:

Mallard

Project #:

22E-00123-008

Project Manager:

Monica Reddin

Sampler: Chance Dixon

On Ice:  Yes  No

# of Coolers: 1

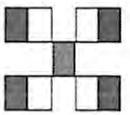
Cooler Temp (including CF): 0.1 - 0.1 ± 0.0 (°C)

Container Type and #	Preservative Type	HEAL No.
<u>402</u>	<u>ICE</u>	<u>2202251</u>

Date	Time	Matrix	Sample Name
<u>5/2</u>	<u>8:00</u>	<u>SO,1</u>	<u>BH22-53 0'</u>
	<u>8:05</u>		<u>BH22-53 6'</u>
	<u>8:10</u>		<u>BH22-53 12'</u>
	<u>8:15</u>		<u>BH22-54 0'</u>
	<u>8:20</u>		<u>BH22-54 6'</u>
	<u>8:25</u>		<u>BH22-54 12'</u>
	<u>8:30</u>		<u>BH22-55 0'</u>
	<u>8:35</u>		<u>BH22-55 6'</u>
	<u>8:40</u>		<u>BH22-55 12'</u>
	<u>8:45</u>		<u>BH22-56 0'</u>
	<u>8:50</u>		<u>BH22-56 3'</u>
	<u>8:55</u>		<u>BH22-56 6'</u>

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
<u>5/2</u>	<u>8:00</u>	<u>Mallard</u>	<u>Mallard</u>	<u>4/22</u>	<u>115</u>	
<u>5/2</u>	<u>8:05</u>	<u>Mallard</u>	<u>Mallard</u>	<u>4/22</u>	<u>115</u>	
<u>5/2</u>	<u>8:10</u>	<u>Mallard</u>	<u>Mallard</u>	<u>4/22</u>	<u>115</u>	
<u>5/2</u>	<u>8:15</u>	<u>Mallard</u>	<u>Mallard</u>	<u>4/22</u>	<u>115</u>	
<u>5/2</u>	<u>8:20</u>	<u>Mallard</u>	<u>Mallard</u>	<u>4/22</u>	<u>115</u>	
<u>5/2</u>	<u>8:25</u>	<u>Mallard</u>	<u>Mallard</u>	<u>4/22</u>	<u>115</u>	
<u>5/2</u>	<u>8:30</u>	<u>Mallard</u>	<u>Mallard</u>	<u>4/22</u>	<u>115</u>	
<u>5/2</u>	<u>8:35</u>	<u>Mallard</u>	<u>Mallard</u>	<u>4/22</u>	<u>115</u>	
<u>5/2</u>	<u>8:40</u>	<u>Mallard</u>	<u>Mallard</u>	<u>4/22</u>	<u>115</u>	
<u>5/2</u>	<u>8:45</u>	<u>Mallard</u>	<u>Mallard</u>	<u>4/22</u>	<u>115</u>	
<u>5/2</u>	<u>8:50</u>	<u>Mallard</u>	<u>Mallard</u>	<u>4/22</u>	<u>115</u>	
<u>5/2</u>	<u>8:55</u>	<u>Mallard</u>	<u>Mallard</u>	<u>4/22</u>	<u>115</u>	

Received by:	Via:	Date	Time	Remarks:
<u>Mallard</u>	<u>4/22</u>	<u>115</u>		<u>CC: Chance Dixon</u>
<u>Mallard</u>	<u>4/22</u>	<u>115</u>		<u>Direct B771 EOG</u>



**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Analysis Request
<input checked="" type="checkbox"/> BTEX / MTBE / TMB's (8021)
<input checked="" type="checkbox"/> TPH:8015D(GRO / DRO / MRO)
<input type="checkbox"/> 8081 Pesticides/8082 PCB's
<input type="checkbox"/> EDB (Method 504.1)
<input type="checkbox"/> PAHs by 8310 or 8270SIMS
<input type="checkbox"/> RCRA 8 Metals
<input checked="" type="checkbox"/> Cl, F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub>
<input type="checkbox"/> 8260 (VOA)
<input type="checkbox"/> 8270 (Semi-VOA)
<input type="checkbox"/> Total Coliform (Present/Absent)

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: EOG

Mailing Address: ON File

Phone #:

email or Fax#:

QA/QC Package: Standard

Standard  Level 4 (Full Validation)

Accreditation:  Az Compliance

NELAC  Other

EDD (Type)

Turn-Around Time: 5-10 days

Standard  Rush

Project Name: Maynard

Project #: 22E-00123-008

Project Manager: Monica DePain

Sampler: Chance Dixon

On Ice:  Yes  No

# of Coolers: 1

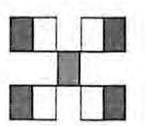
Cooler Temp (including CF): 0.1 - 0.1 = 0.0 (°C)

Container Type and # 402 Preservative Type ECC HEAL No. 22E02251

Date	Time	Matrix	Sample Name
2/2	9:00	SO <sub>1</sub>	BH22-57 0'
	9:05		BH22-57 3'
	9:10		BH22-57 6'
	9:15		BH22-58 0'
	9:20		BH22-58 3'
	9:25		BH22-58 6'

Date	Time	Received by:	Via:
2/4/22	1900	Chance Dixon	Car

Received by:	Via:	Date	Time	Remarks:
Chance Dixon	Car	2/4/22	0850	CC: Chance Dixon Direct B,71 EOG



**HALL ENVIRONMENTAL ANALYSIS LABORATORY**  
www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109  
Tel. 505-345-3975 Fax 505-345-4107  
Analysis Request

- 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<sub>3</sub>, NO<sub>2</sub>, PO<sub>4</sub>, SO<sub>4</sub>
- 8260 (VOA)
- 8270 (Semi-VOA)
- Total Coliform (Present/Absent)

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



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

March 18, 2022

Monica Peppin

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX:

RE: Mallard HM Fee Battery

OrderNo.: 2203351

Dear Monica Peppin:

Hall Environmental Analysis Laboratory received 25 sample(s) on 3/5/2022 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](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

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

Sincerely,

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

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

**Analytical Report**

Lab Order **2203351**

Date Reported: **3/18/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-01 0-4'

**Project:** Mallard HM Fee Battery

**Collection Date:** 3/3/2022 10:00:00 AM

**Lab ID:** 2203351-001

**Matrix:** SOIL

**Received Date:** 3/5/2022 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	ND	60		mg/Kg	20	3/11/2022 4:01:44 AM	66100
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	3/9/2022 4:52:00 PM	66027
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/9/2022 4:52:00 PM	66027
Surr: DNOP	56.1	51.1-141		%Rec	1	3/9/2022 4:52:00 PM	66027
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/9/2022 11:29:00 PM	65994
Surr: BFB	98.3	70-130		%Rec	1	3/9/2022 11:29:00 PM	65994
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	3/9/2022 11:29:00 PM	65994
Toluene	ND	0.049		mg/Kg	1	3/9/2022 11:29:00 PM	65994
Ethylbenzene	ND	0.049		mg/Kg	1	3/9/2022 11:29:00 PM	65994
Xylenes, Total	ND	0.099		mg/Kg	1	3/9/2022 11:29:00 PM	65994
Surr: 4-Bromofluorobenzene	85.4	70-130		%Rec	1	3/9/2022 11:29:00 PM	65994

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

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

**Analytical Report**

Lab Order **2203351**

Date Reported: **3/18/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-02 0-4'

**Project:** Mallard HM Fee Battery

**Collection Date:** 3/3/2022 10:00:00 AM

**Lab ID:** 2203351-002

**Matrix:** SOIL

**Received Date:** 3/5/2022 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	110	60		mg/Kg	20	3/11/2022 4:38:57 AM	66100
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	3/9/2022 5:03:00 PM	66027
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/9/2022 5:03:00 PM	66027
Surr: DNOP	65.4	51.1-141		%Rec	1	3/9/2022 5:03:00 PM	66027
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/9/2022 11:49:00 PM	65994
Surr: BFB	102	70-130		%Rec	1	3/9/2022 11:49:00 PM	65994
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	3/9/2022 11:49:00 PM	65994
Toluene	ND	0.050		mg/Kg	1	3/9/2022 11:49:00 PM	65994
Ethylbenzene	ND	0.050		mg/Kg	1	3/9/2022 11:49:00 PM	65994
Xylenes, Total	ND	0.099		mg/Kg	1	3/9/2022 11:49:00 PM	65994
Surr: 4-Bromofluorobenzene	86.2	70-130		%Rec	1	3/9/2022 11:49:00 PM	65994

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

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

**Analytical Report**

Lab Order **2203351**

Date Reported: **3/18/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-03 0-4'

**Project:** Mallard HM Fee Battery

**Collection Date:** 3/3/2022 10:00:00 AM

**Lab ID:** 2203351-003

**Matrix:** SOIL

**Received Date:** 3/5/2022 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	81	60		mg/Kg	20	3/11/2022 4:51:21 AM	66100
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	3/9/2022 5:13:58 PM	66027
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	3/9/2022 5:13:58 PM	66027
Surr: DNOP	66.0	51.1-141		%Rec	1	3/9/2022 5:13:58 PM	66027
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/10/2022 12:09:00 AM	65994
Surr: BFB	104	70-130		%Rec	1	3/10/2022 12:09:00 AM	65994
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	3/10/2022 12:09:00 AM	65994
Toluene	ND	0.049		mg/Kg	1	3/10/2022 12:09:00 AM	65994
Ethylbenzene	ND	0.049		mg/Kg	1	3/10/2022 12:09:00 AM	65994
Xylenes, Total	ND	0.097		mg/Kg	1	3/10/2022 12:09:00 AM	65994
Surr: 4-Bromofluorobenzene	87.9	70-130		%Rec	1	3/10/2022 12:09:00 AM	65994

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

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

**Analytical Report**

Lab Order **2203351**

Date Reported: **3/18/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-04 0-4'

**Project:** Mallard HM Fee Battery

**Collection Date:** 3/3/2022 10:00:00 AM

**Lab ID:** 2203351-004

**Matrix:** SOIL

**Received Date:** 3/5/2022 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	83	60		mg/Kg	20	3/11/2022 5:03:46 AM	66100
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	3/9/2022 5:24:53 PM	66027
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/9/2022 5:24:53 PM	66027
Surr: DNOP	53.5	51.1-141		%Rec	1	3/9/2022 5:24:53 PM	66027
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/10/2022 12:29:00 AM	65994
Surr: BFB	99.6	70-130		%Rec	1	3/10/2022 12:29:00 AM	65994
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	3/10/2022 12:29:00 AM	65994
Toluene	ND	0.049		mg/Kg	1	3/10/2022 12:29:00 AM	65994
Ethylbenzene	ND	0.049		mg/Kg	1	3/10/2022 12:29:00 AM	65994
Xylenes, Total	ND	0.099		mg/Kg	1	3/10/2022 12:29:00 AM	65994
Surr: 4-Bromofluorobenzene	86.4	70-130		%Rec	1	3/10/2022 12:29:00 AM	65994

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

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

**Analytical Report**

Lab Order **2203351**

Date Reported: **3/18/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-05 0-4'

**Project:** Mallard HM Fee Battery

**Collection Date:** 3/3/2022 10:00:00 AM

**Lab ID:** 2203351-005

**Matrix:** SOIL

**Received Date:** 3/5/2022 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	170	60		mg/Kg	20	3/11/2022 5:40:59 AM	66100
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	3/9/2022 5:35:47 PM	66027
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/9/2022 5:35:47 PM	66027
Surr: DNOP	64.9	51.1-141		%Rec	1	3/9/2022 5:35:47 PM	66027
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/10/2022 12:49:00 AM	65994
Surr: BFB	103	70-130		%Rec	1	3/10/2022 12:49:00 AM	65994
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	3/10/2022 12:49:00 AM	65994
Toluene	ND	0.049		mg/Kg	1	3/10/2022 12:49:00 AM	65994
Ethylbenzene	ND	0.049		mg/Kg	1	3/10/2022 12:49:00 AM	65994
Xylenes, Total	ND	0.098		mg/Kg	1	3/10/2022 12:49:00 AM	65994
Surr: 4-Bromofluorobenzene	88.6	70-130		%Rec	1	3/10/2022 12:49:00 AM	65994

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

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

**Analytical Report**

Lab Order **2203351**

Date Reported: **3/18/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-06 0-4'

**Project:** Mallard HM Fee Battery

**Collection Date:** 3/3/2022 10:30:00 AM

**Lab ID:** 2203351-006

**Matrix:** SOIL

**Received Date:** 3/5/2022 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	190	60		mg/Kg	20	3/11/2022 5:53:23 AM	66100
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	3/9/2022 5:46:41 PM	66027
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	3/9/2022 5:46:41 PM	66027
Surr: DNOP	66.6	51.1-141		%Rec	1	3/9/2022 5:46:41 PM	66027
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/10/2022 1:09:00 AM	65994
Surr: BFB	103	70-130		%Rec	1	3/10/2022 1:09:00 AM	65994
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	3/10/2022 1:09:00 AM	65994
Toluene	ND	0.050		mg/Kg	1	3/10/2022 1:09:00 AM	65994
Ethylbenzene	ND	0.050		mg/Kg	1	3/10/2022 1:09:00 AM	65994
Xylenes, Total	ND	0.10		mg/Kg	1	3/10/2022 1:09:00 AM	65994
Surr: 4-Bromofluorobenzene	88.1	70-130		%Rec	1	3/10/2022 1:09:00 AM	65994

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

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

**Analytical Report**

Lab Order **2203351**

Date Reported: **3/18/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-07 0-4'

**Project:** Mallard HM Fee Battery

**Collection Date:** 3/3/2022 10:30:00 AM

**Lab ID:** 2203351-007

**Matrix:** SOIL

**Received Date:** 3/5/2022 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	380	60		mg/Kg	20	3/11/2022 6:05:47 AM	66100
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	3/9/2022 10:23:55 PM	66028
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/9/2022 10:23:55 PM	66028
Surr: DNOP	78.5	51.1-141		%Rec	1	3/9/2022 10:23:55 PM	66028
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/10/2022 1:29:00 AM	65994
Surr: BFB	103	70-130		%Rec	1	3/10/2022 1:29:00 AM	65994
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	3/10/2022 1:29:00 AM	65994
Toluene	ND	0.049		mg/Kg	1	3/10/2022 1:29:00 AM	65994
Ethylbenzene	ND	0.049		mg/Kg	1	3/10/2022 1:29:00 AM	65994
Xylenes, Total	ND	0.099		mg/Kg	1	3/10/2022 1:29:00 AM	65994
Surr: 4-Bromofluorobenzene	85.8	70-130		%Rec	1	3/10/2022 1:29:00 AM	65994

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

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

**Analytical Report**

Lab Order **2203351**

Date Reported: **3/18/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-08 0-4'

**Project:** Mallard HM Fee Battery

**Collection Date:** 3/3/2022 10:30:00 AM

**Lab ID:** 2203351-008

**Matrix:** SOIL

**Received Date:** 3/5/2022 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	1600	60		mg/Kg	20	3/11/2022 6:18:12 AM	66100
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	5200	95		mg/Kg	10	3/9/2022 10:34:32 PM	66028
Motor Oil Range Organics (MRO)	2900	480		mg/Kg	10	3/9/2022 10:34:32 PM	66028
Surr: DNOP	0	51.1-141	S	%Rec	10	3/9/2022 10:34:32 PM	66028
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	3/10/2022 2:28:00 AM	65994
Surr: BFB	103	70-130		%Rec	5	3/10/2022 2:28:00 AM	65994
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.12		mg/Kg	5	3/10/2022 2:28:00 AM	65994
Toluene	ND	0.24		mg/Kg	5	3/10/2022 2:28:00 AM	65994
Ethylbenzene	ND	0.24		mg/Kg	5	3/10/2022 2:28:00 AM	65994
Xylenes, Total	ND	0.48		mg/Kg	5	3/10/2022 2:28:00 AM	65994
Surr: 4-Bromofluorobenzene	84.4	70-130		%Rec	5	3/10/2022 2:28:00 AM	65994

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

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

**Analytical Report**

Lab Order 2203351

Date Reported: 3/18/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-09 0-4'

**Project:** Mallard HM Fee Battery

**Collection Date:** 3/3/2022 10:30:00 AM

**Lab ID:** 2203351-009

**Matrix:** SOIL

**Received Date:** 3/5/2022 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	510	61		mg/Kg	20	3/11/2022 6:30:36 AM	66100
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	3/9/2022 10:45:10 PM	66028
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/9/2022 10:45:10 PM	66028
Surr: DNOP	73.5	51.1-141		%Rec	1	3/9/2022 10:45:10 PM	66028
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/10/2022 2:48:00 AM	65994
Surr: BFB	99.5	70-130		%Rec	1	3/10/2022 2:48:00 AM	65994
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	3/10/2022 2:48:00 AM	65994
Toluene	ND	0.049		mg/Kg	1	3/10/2022 2:48:00 AM	65994
Ethylbenzene	ND	0.049		mg/Kg	1	3/10/2022 2:48:00 AM	65994
Xylenes, Total	ND	0.098		mg/Kg	1	3/10/2022 2:48:00 AM	65994
Surr: 4-Bromofluorobenzene	85.3	70-130		%Rec	1	3/10/2022 2:48:00 AM	65994

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

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

**Analytical Report**

Lab Order **2203351**

Date Reported: **3/18/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-10 0-4'

**Project:** Mallard HM Fee Battery

**Collection Date:** 3/3/2022 10:30:00 AM

**Lab ID:** 2203351-010

**Matrix:** SOIL

**Received Date:** 3/5/2022 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	1500	60		mg/Kg	20	3/11/2022 4:04:55 PM	66119
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	3/9/2022 10:55:49 PM	66028
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/9/2022 10:55:49 PM	66028
Surr: DNOP	66.8	51.1-141		%Rec	1	3/9/2022 10:55:49 PM	66028
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/10/2022 3:07:00 AM	65994
Surr: BFB	99.4	70-130		%Rec	1	3/10/2022 3:07:00 AM	65994
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	3/10/2022 3:07:00 AM	65994
Toluene	ND	0.049		mg/Kg	1	3/10/2022 3:07:00 AM	65994
Ethylbenzene	ND	0.049		mg/Kg	1	3/10/2022 3:07:00 AM	65994
Xylenes, Total	ND	0.098		mg/Kg	1	3/10/2022 3:07:00 AM	65994
Surr: 4-Bromofluorobenzene	86.2	70-130		%Rec	1	3/10/2022 3:07:00 AM	65994

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

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

**Analytical Report**

Lab Order **2203351**

Date Reported: **3/18/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-11 0-4'

**Project:** Mallard HM Fee Battery

**Collection Date:** 3/3/2022 10:30:00 AM

**Lab ID:** 2203351-011

**Matrix:** SOIL

**Received Date:** 3/5/2022 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	4800	150		mg/Kg	50	3/14/2022 3:07:55 PM	66119
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	3/9/2022 11:06:31 PM	66028
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/9/2022 11:06:31 PM	66028
Surr: DNOP	78.7	51.1-141		%Rec	1	3/9/2022 11:06:31 PM	66028
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/10/2022 3:27:00 AM	65994
Surr: BFB	100	70-130		%Rec	1	3/10/2022 3:27:00 AM	65994
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	3/10/2022 3:27:00 AM	65994
Toluene	ND	0.050		mg/Kg	1	3/10/2022 3:27:00 AM	65994
Ethylbenzene	ND	0.050		mg/Kg	1	3/10/2022 3:27:00 AM	65994
Xylenes, Total	ND	0.099		mg/Kg	1	3/10/2022 3:27:00 AM	65994
Surr: 4-Bromofluorobenzene	86.9	70-130		%Rec	1	3/10/2022 3:27:00 AM	65994

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

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

**Analytical Report**

Lab Order **2203351**

Date Reported: **3/18/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-12 0-4'

**Project:** Mallard HM Fee Battery

**Collection Date:** 3/3/2022 10:30:00 AM

**Lab ID:** 2203351-012

**Matrix:** SOIL

**Received Date:** 3/5/2022 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	ND	60		mg/Kg	20	3/11/2022 5:43:41 PM	66119
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	3/9/2022 11:17:10 PM	66028
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/9/2022 11:17:10 PM	66028
Surr: DNOP	65.5	51.1-141		%Rec	1	3/9/2022 11:17:10 PM	66028
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/10/2022 3:47:00 AM	65994
Surr: BFB	103	70-130		%Rec	1	3/10/2022 3:47:00 AM	65994
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	3/10/2022 3:47:00 AM	65994
Toluene	ND	0.050		mg/Kg	1	3/10/2022 3:47:00 AM	65994
Ethylbenzene	ND	0.050		mg/Kg	1	3/10/2022 3:47:00 AM	65994
Xylenes, Total	ND	0.10		mg/Kg	1	3/10/2022 3:47:00 AM	65994
Surr: 4-Bromofluorobenzene	87.7	70-130		%Rec	1	3/10/2022 3:47:00 AM	65994

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

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

**Analytical Report**

Lab Order **2203351**

Date Reported: **3/18/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-13 0-4'

**Project:** Mallard HM Fee Battery

**Collection Date:** 3/3/2022 10:45:00 AM

**Lab ID:** 2203351-013

**Matrix:** SOIL

**Received Date:** 3/5/2022 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	1300	60		mg/Kg	20	3/11/2022 5:56:02 PM	66119
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	50	18		mg/Kg	2	3/10/2022 8:27:56 AM	66028
Motor Oil Range Organics (MRO)	110	92		mg/Kg	2	3/10/2022 8:27:56 AM	66028
Surr: DNOP	85.7	51.1-141		%Rec	2	3/10/2022 8:27:56 AM	66028
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/10/2022 4:07:00 AM	65994
Surr: BFB	103	70-130		%Rec	1	3/10/2022 4:07:00 AM	65994
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	3/10/2022 4:07:00 AM	65994
Toluene	ND	0.050		mg/Kg	1	3/10/2022 4:07:00 AM	65994
Ethylbenzene	ND	0.050		mg/Kg	1	3/10/2022 4:07:00 AM	65994
Xylenes, Total	ND	0.10		mg/Kg	1	3/10/2022 4:07:00 AM	65994
Surr: 4-Bromofluorobenzene	88.0	70-130		%Rec	1	3/10/2022 4:07:00 AM	65994

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

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

**Analytical Report**

Lab Order **2203351**

Date Reported: **3/18/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-14 0-4'

**Project:** Mallard HM Fee Battery

**Collection Date:** 3/3/2022 10:45:00 AM

**Lab ID:** 2203351-014

**Matrix:** SOIL

**Received Date:** 3/5/2022 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	980	60		mg/Kg	20	3/11/2022 6:08:23 PM	66119
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	58	9.9		mg/Kg	1	3/10/2022 8:49:00 AM	66028
Motor Oil Range Organics (MRO)	140	49		mg/Kg	1	3/10/2022 8:49:00 AM	66028
Surr: DNOP	75.2	51.1-141		%Rec	1	3/10/2022 8:49:00 AM	66028
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/10/2022 4:26:00 AM	65994
Surr: BFB	103	70-130		%Rec	1	3/10/2022 4:26:00 AM	65994
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	3/10/2022 4:26:00 AM	65994
Toluene	ND	0.049		mg/Kg	1	3/10/2022 4:26:00 AM	65994
Ethylbenzene	ND	0.049		mg/Kg	1	3/10/2022 4:26:00 AM	65994
Xylenes, Total	ND	0.099		mg/Kg	1	3/10/2022 4:26:00 AM	65994
Surr: 4-Bromofluorobenzene	87.8	70-130		%Rec	1	3/10/2022 4:26:00 AM	65994

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

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

**Analytical Report**

Lab Order **2203351**

Date Reported: **3/18/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-15 0-4'

**Project:** Mallard HM Fee Battery

**Collection Date:** 3/3/2022 10:45:00 AM

**Lab ID:** 2203351-015

**Matrix:** SOIL

**Received Date:** 3/5/2022 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	ND	61		mg/Kg	20	3/11/2022 6:20:44 PM	66119
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	3/9/2022 11:49:17 PM	66028
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/9/2022 11:49:17 PM	66028
Surr: DNOP	71.6	51.1-141		%Rec	1	3/9/2022 11:49:17 PM	66028
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/10/2022 4:46:00 AM	65994
Surr: BFB	99.7	70-130		%Rec	1	3/10/2022 4:46:00 AM	65994
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	3/10/2022 4:46:00 AM	65994
Toluene	ND	0.050		mg/Kg	1	3/10/2022 4:46:00 AM	65994
Ethylbenzene	ND	0.050		mg/Kg	1	3/10/2022 4:46:00 AM	65994
Xylenes, Total	ND	0.10		mg/Kg	1	3/10/2022 4:46:00 AM	65994
Surr: 4-Bromofluorobenzene	86.2	70-130		%Rec	1	3/10/2022 4:46:00 AM	65994

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

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

**Analytical Report**

Lab Order **2203351**

Date Reported: **3/18/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-16 0-4'

**Project:** Mallard HM Fee Battery

**Collection Date:** 3/3/2022 10:45:00 AM

**Lab ID:** 2203351-016

**Matrix:** SOIL

**Received Date:** 3/5/2022 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	ND	60		mg/Kg	20	3/11/2022 6:33:04 PM	66119
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	3/10/2022 12:00:02 AM	66028
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/10/2022 12:00:02 AM	66028
Surr: DNOP	70.8	51.1-141		%Rec	1	3/10/2022 12:00:02 AM	66028
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/10/2022 5:06:00 AM	65994
Surr: BFB	98.8	70-130		%Rec	1	3/10/2022 5:06:00 AM	65994
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	3/10/2022 5:06:00 AM	65994
Toluene	ND	0.049		mg/Kg	1	3/10/2022 5:06:00 AM	65994
Ethylbenzene	ND	0.049		mg/Kg	1	3/10/2022 5:06:00 AM	65994
Xylenes, Total	ND	0.098		mg/Kg	1	3/10/2022 5:06:00 AM	65994
Surr: 4-Bromofluorobenzene	85.6	70-130		%Rec	1	3/10/2022 5:06:00 AM	65994

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

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

**Analytical Report**

Lab Order **2203351**

Date Reported: **3/18/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-17 0-4'

**Project:** Mallard HM Fee Battery

**Collection Date:** 3/3/2022 11:00:00 AM

**Lab ID:** 2203351-017

**Matrix:** SOIL

**Received Date:** 3/5/2022 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	120	60		mg/Kg	20	3/11/2022 6:45:25 PM	66119
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	3/10/2022 12:10:48 AM	66028
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/10/2022 12:10:48 AM	66028
Surr: DNOP	61.1	51.1-141		%Rec	1	3/10/2022 12:10:48 AM	66028
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/10/2022 5:26:00 AM	65994
Surr: BFB	102	70-130		%Rec	1	3/10/2022 5:26:00 AM	65994
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	3/10/2022 5:26:00 AM	65994
Toluene	ND	0.050		mg/Kg	1	3/10/2022 5:26:00 AM	65994
Ethylbenzene	ND	0.050		mg/Kg	1	3/10/2022 5:26:00 AM	65994
Xylenes, Total	ND	0.10		mg/Kg	1	3/10/2022 5:26:00 AM	65994
Surr: 4-Bromofluorobenzene	87.1	70-130		%Rec	1	3/10/2022 5:26:00 AM	65994

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

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

**Analytical Report**

Lab Order **2203351**

Date Reported: **3/18/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-18 0-4'

**Project:** Mallard HM Fee Battery

**Collection Date:** 3/3/2022 11:00:00 AM

**Lab ID:** 2203351-018

**Matrix:** SOIL

**Received Date:** 3/5/2022 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	200	59		mg/Kg	20	3/11/2022 6:57:45 PM	66119
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	3/9/2022 9:59:38 PM	66002
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/9/2022 9:59:38 PM	66002
Surr: DNOP	94.3	51.1-141		%Rec	1	3/9/2022 9:59:38 PM	66002
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/10/2022 9:06:27 AM	65996
Surr: BFB	105	70-130		%Rec	1	3/10/2022 9:06:27 AM	65996
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	3/10/2022 9:06:27 AM	65996
Toluene	ND	0.049		mg/Kg	1	3/10/2022 9:06:27 AM	65996
Ethylbenzene	ND	0.049		mg/Kg	1	3/10/2022 9:06:27 AM	65996
Xylenes, Total	ND	0.098		mg/Kg	1	3/10/2022 9:06:27 AM	65996
Surr: 4-Bromofluorobenzene	96.6	70-130		%Rec	1	3/10/2022 9:06:27 AM	65996

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

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

**Analytical Report**

Lab Order **2203351**

Date Reported: **3/18/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-19 0-4'

**Project:** Mallard HM Fee Battery

**Collection Date:** 3/3/2022 2:30:00 PM

**Lab ID:** 2203351-019

**Matrix:** SOIL

**Received Date:** 3/5/2022 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	100	60		mg/Kg	20	3/11/2022 10:52:43 AM	66120
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	3/9/2022 10:23:39 PM	66002
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/9/2022 10:23:39 PM	66002
Surr: DNOP	93.2	51.1-141		%Rec	1	3/9/2022 10:23:39 PM	66002
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/10/2022 10:17:20 AM	65996
Surr: BFB	111	70-130		%Rec	1	3/10/2022 10:17:20 AM	65996
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	3/10/2022 10:17:20 AM	65996
Toluene	ND	0.050		mg/Kg	1	3/10/2022 10:17:20 AM	65996
Ethylbenzene	ND	0.050		mg/Kg	1	3/10/2022 10:17:20 AM	65996
Xylenes, Total	ND	0.10		mg/Kg	1	3/10/2022 10:17:20 AM	65996
Surr: 4-Bromofluorobenzene	97.9	70-130		%Rec	1	3/10/2022 10:17:20 AM	65996

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

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

**Analytical Report**

Lab Order 2203351

Date Reported: 3/18/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-20 0-4'

**Project:** Mallard HM Fee Battery

**Collection Date:** 3/3/2022 2:30:00 PM

**Lab ID:** 2203351-020

**Matrix:** SOIL

**Received Date:** 3/5/2022 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	2000	60		mg/Kg	20	3/11/2022 11:29:56 AM	66120
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	3/9/2022 10:47:39 PM	66002
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/9/2022 10:47:39 PM	66002
Surr: DNOP	99.5	51.1-141		%Rec	1	3/9/2022 10:47:39 PM	66002
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/10/2022 11:28:24 AM	65996
Surr: BFB	105	70-130		%Rec	1	3/10/2022 11:28:24 AM	65996
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	3/10/2022 11:28:24 AM	65996
Toluene	ND	0.049		mg/Kg	1	3/10/2022 11:28:24 AM	65996
Ethylbenzene	ND	0.049		mg/Kg	1	3/10/2022 11:28:24 AM	65996
Xylenes, Total	ND	0.098		mg/Kg	1	3/10/2022 11:28:24 AM	65996
Surr: 4-Bromofluorobenzene	94.2	70-130		%Rec	1	3/10/2022 11:28:24 AM	65996

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

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

**Analytical Report**

Lab Order 2203351

Date Reported: 3/18/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-21 0-4'

**Project:** Mallard HM Fee Battery

**Collection Date:** 3/3/2022 2:30:00 PM

**Lab ID:** 2203351-021

**Matrix:** SOIL

**Received Date:** 3/5/2022 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	1500	60		mg/Kg	20	3/11/2022 11:42:20 AM	66120
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	3/9/2022 11:11:43 PM	66002
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/9/2022 11:11:43 PM	66002
Surr: DNOP	98.1	51.1-141		%Rec	1	3/9/2022 11:11:43 PM	66002
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/10/2022 11:52:02 AM	65996
Surr: BFB	102	70-130		%Rec	1	3/10/2022 11:52:02 AM	65996
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	3/10/2022 11:52:02 AM	65996
Toluene	ND	0.050		mg/Kg	1	3/10/2022 11:52:02 AM	65996
Ethylbenzene	ND	0.050		mg/Kg	1	3/10/2022 11:52:02 AM	65996
Xylenes, Total	ND	0.10		mg/Kg	1	3/10/2022 11:52:02 AM	65996
Surr: 4-Bromofluorobenzene	92.6	70-130		%Rec	1	3/10/2022 11:52:02 AM	65996

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

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

**Analytical Report**

Lab Order 2203351

Date Reported: 3/18/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-22 0-4'

**Project:** Mallard HM Fee Battery

**Collection Date:** 3/3/2022 2:30:00 PM

**Lab ID:** 2203351-022

**Matrix:** SOIL

**Received Date:** 3/5/2022 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	2100	60		mg/Kg	20	3/11/2022 11:54:44 AM	66120
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	3/9/2022 11:35:43 PM	66002
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/9/2022 11:35:43 PM	66002
Surr: DNOP	96.4	51.1-141		%Rec	1	3/9/2022 11:35:43 PM	66002
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/10/2022 12:15:36 PM	65996
Surr: BFB	102	70-130		%Rec	1	3/10/2022 12:15:36 PM	65996
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	3/10/2022 12:15:36 PM	65996
Toluene	ND	0.048		mg/Kg	1	3/10/2022 12:15:36 PM	65996
Ethylbenzene	ND	0.048		mg/Kg	1	3/10/2022 12:15:36 PM	65996
Xylenes, Total	ND	0.097		mg/Kg	1	3/10/2022 12:15:36 PM	65996
Surr: 4-Bromofluorobenzene	92.9	70-130		%Rec	1	3/10/2022 12:15:36 PM	65996

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

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

**Analytical Report**

Lab Order **2203351**

Date Reported: **3/18/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-23 0-4'

**Project:** Mallard HM Fee Battery

**Collection Date:** 3/3/2022 10:00:00 AM

**Lab ID:** 2203351-023

**Matrix:** SOIL

**Received Date:** 3/5/2022 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	5700	300		mg/Kg	100	3/15/2022 12:25:12 PM	66120
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	3/9/2022 11:59:44 PM	66002
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/9/2022 11:59:44 PM	66002
Surr: DNOP	65.6	51.1-141		%Rec	1	3/9/2022 11:59:44 PM	66002
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/10/2022 12:39:08 PM	65996
Surr: BFB	107	70-130		%Rec	1	3/10/2022 12:39:08 PM	65996
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	3/10/2022 12:39:08 PM	65996
Toluene	ND	0.050		mg/Kg	1	3/10/2022 12:39:08 PM	65996
Ethylbenzene	ND	0.050		mg/Kg	1	3/10/2022 12:39:08 PM	65996
Xylenes, Total	ND	0.099		mg/Kg	1	3/10/2022 12:39:08 PM	65996
Surr: 4-Bromofluorobenzene	97.3	70-130		%Rec	1	3/10/2022 12:39:08 PM	65996

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

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

**Analytical Report**

Lab Order **2203351**

Date Reported: **3/18/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-24 0-4'

**Project:** Mallard HM Fee Battery

**Collection Date:** 3/3/2022 10:00:00 AM

**Lab ID:** 2203351-024

**Matrix:** SOIL

**Received Date:** 3/5/2022 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	5500	300		mg/Kg	100	3/15/2022 12:37:33 PM	66120
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	3/10/2022 12:23:55 AM	66002
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/10/2022 12:23:55 AM	66002
Surr: DNOP	61.8	51.1-141		%Rec	1	3/10/2022 12:23:55 AM	66002
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/10/2022 1:02:33 PM	65996
Surr: BFB	107	70-130		%Rec	1	3/10/2022 1:02:33 PM	65996
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	3/10/2022 1:02:33 PM	65996
Toluene	ND	0.049		mg/Kg	1	3/10/2022 1:02:33 PM	65996
Ethylbenzene	ND	0.049		mg/Kg	1	3/10/2022 1:02:33 PM	65996
Xylenes, Total	ND	0.098		mg/Kg	1	3/10/2022 1:02:33 PM	65996
Surr: 4-Bromofluorobenzene	96.8	70-130		%Rec	1	3/10/2022 1:02:33 PM	65996

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

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

**Analytical Report**

Lab Order **2203351**

Date Reported: **3/18/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-25 0-4'

**Project:** Mallard HM Fee Battery

**Collection Date:** 3/3/2022 10:00:00 AM

**Lab ID:** 2203351-025

**Matrix:** SOIL

**Received Date:** 3/5/2022 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	1700	60		mg/Kg	20	3/11/2022 12:56:46 PM	66120
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	3/10/2022 12:47:55 AM	66002
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/10/2022 12:47:55 AM	66002
Surr: DNOP	61.6	51.1-141		%Rec	1	3/10/2022 12:47:55 AM	66002
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/10/2022 1:26:17 PM	65996
Surr: BFB	107	70-130		%Rec	1	3/10/2022 1:26:17 PM	65996
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	3/10/2022 1:26:17 PM	65996
Toluene	ND	0.050		mg/Kg	1	3/10/2022 1:26:17 PM	65996
Ethylbenzene	ND	0.050		mg/Kg	1	3/10/2022 1:26:17 PM	65996
Xylenes, Total	ND	0.10		mg/Kg	1	3/10/2022 1:26:17 PM	65996
Surr: 4-Bromofluorobenzene	96.7	70-130		%Rec	1	3/10/2022 1:26:17 PM	65996

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

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2203351

18-Mar-22

**Client:** EOG  
**Project:** Mallard HM Fee Battery

Sample ID: <b>MB-66100</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>66100</b>	RunNo: <b>86387</b>								
Prep Date: <b>3/10/2022</b>	Analysis Date: <b>3/10/2022</b>	SeqNo: <b>3047846</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-66100</b>	SampType: <b>ics</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>66100</b>	RunNo: <b>86387</b>								
Prep Date: <b>3/10/2022</b>	Analysis Date: <b>3/10/2022</b>	SeqNo: <b>3047847</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.9	90	110			

Sample ID: <b>MB-66120</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>66120</b>	RunNo: <b>86445</b>								
Prep Date: <b>3/11/2022</b>	Analysis Date: <b>3/11/2022</b>	SeqNo: <b>3049838</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-66120</b>	SampType: <b>ics</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>66120</b>	RunNo: <b>86445</b>								
Prep Date: <b>3/11/2022</b>	Analysis Date: <b>3/11/2022</b>	SeqNo: <b>3049839</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.4	90	110			

Sample ID: <b>MB-66119</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>66119</b>	RunNo: <b>86446</b>								
Prep Date: <b>3/11/2022</b>	Analysis Date: <b>3/11/2022</b>	SeqNo: <b>3049910</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-66119</b>	SampType: <b>ics</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>66119</b>	RunNo: <b>86446</b>								
Prep Date: <b>3/11/2022</b>	Analysis Date: <b>3/11/2022</b>	SeqNo: <b>3049911</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.7	90	110			

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix 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#: 2203351

18-Mar-22

**Client:** EOG  
**Project:** Mallard HM Fee Battery

Sample ID: <b>LCS-66002</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>66002</b>	RunNo: <b>86343</b>								
Prep Date: <b>3/7/2022</b>	Analysis Date: <b>3/8/2022</b>	SeqNo: <b>3045218</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	93.1	68.9	135			
Surr: DNOP	4.9		5.000		97.3	51.1	141			

Sample ID: <b>MB-66002</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>66002</b>	RunNo: <b>86343</b>								
Prep Date: <b>3/7/2022</b>	Analysis Date: <b>3/8/2022</b>	SeqNo: <b>3045226</b>	Units: <b>mg/Kg</b>							
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		100	51.1	141			

Sample ID: <b>MB-66027</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>66027</b>	RunNo: <b>86364</b>								
Prep Date: <b>3/8/2022</b>	Analysis Date: <b>3/9/2022</b>	SeqNo: <b>3045932</b>	Units: <b>mg/Kg</b>							
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: <b>MB-66028</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>66028</b>	RunNo: <b>86364</b>								
Prep Date: <b>3/8/2022</b>	Analysis Date: <b>3/9/2022</b>	SeqNo: <b>3045933</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.9		10.00		98.9	51.1	141			

Sample ID: <b>LCS-66027</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>66027</b>	RunNo: <b>86364</b>								
Prep Date: <b>3/8/2022</b>	Analysis Date: <b>3/9/2022</b>	SeqNo: <b>3045935</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	53	10	50.00	0	105	68.9	135			
Surr: DNOP	6.0		5.000		120	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 Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2203351

18-Mar-22

**Client:** EOG  
**Project:** Mallard HM Fee Battery

Sample ID: <b>LCS-66028</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>66028</b>	RunNo: <b>86364</b>								
Prep Date: <b>3/8/2022</b>	Analysis Date: <b>3/9/2022</b>	SeqNo: <b>3045936</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	97.3	68.9	135			
Surr: DNOP	4.6		5.000		92.9	51.1	141			

**Qualifiers:**

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2203351

18-Mar-22

**Client:** EOG  
**Project:** Mallard HM Fee Battery

Sample ID: <b>ics-65994</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65994</b>	RunNo: <b>86374</b>								
Prep Date: <b>3/7/2022</b>	Analysis Date: <b>3/9/2022</b>	SeqNo: <b>3046269</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	108	78.6	131			
Surr: BFB	1200		1000		119	70	130			

Sample ID: <b>mb-65994</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65994</b>	RunNo: <b>86374</b>								
Prep Date: <b>3/7/2022</b>	Analysis Date: <b>3/9/2022</b>	SeqNo: <b>3046270</b>	Units: <b>mg/Kg</b>							
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: <b>mb-65996</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65996</b>	RunNo: <b>86398</b>								
Prep Date: <b>3/7/2022</b>	Analysis Date: <b>3/10/2022</b>	SeqNo: <b>3047554</b>	Units: <b>mg/Kg</b>							
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: <b>ics-65996</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65996</b>	RunNo: <b>86398</b>								
Prep Date: <b>3/7/2022</b>	Analysis Date: <b>3/10/2022</b>	SeqNo: <b>3047555</b>	Units: <b>mg/Kg</b>							
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	1200		1000		119	70	130			

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix 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#: 2203351

18-Mar-22

**Client:** EOG  
**Project:** Mallard HM Fee Battery

Sample ID: <b>Ics-65994</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65994</b>	RunNo: <b>86374</b>								
Prep Date: <b>3/7/2022</b>	Analysis Date: <b>3/9/2022</b>	SeqNo: <b>3046322</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	92.8	80	120			
Toluene	0.95	0.050	1.000	0	94.8	80	120			
Ethylbenzene	0.96	0.050	1.000	0	95.7	80	120			
Xylenes, Total	2.9	0.10	3.000	0	95.8	80	120			
Surr: 4-Bromofluorobenzene	0.90		1.000		90.4	70	130			

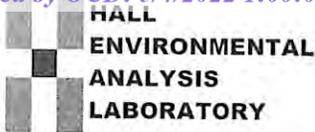
Sample ID: <b>mb-65994</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65994</b>	RunNo: <b>86374</b>								
Prep Date: <b>3/7/2022</b>	Analysis Date: <b>3/9/2022</b>	SeqNo: <b>3046323</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	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		89.9	70	130			

Sample ID: <b>mb-65996</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65996</b>	RunNo: <b>86398</b>								
Prep Date: <b>3/7/2022</b>	Analysis Date: <b>3/10/2022</b>	SeqNo: <b>3047602</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.96		1.000		96.0	70	130			

Sample ID: <b>LCS-65996</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65996</b>	RunNo: <b>86398</b>								
Prep Date: <b>3/7/2022</b>	Analysis Date: <b>3/10/2022</b>	SeqNo: <b>3047603</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	1.000	0	89.9	80	120			
Toluene	0.94	0.050	1.000	0	94.3	80	120			
Ethylbenzene	0.95	0.050	1.000	0	95.3	80	120			
Xylenes, Total	2.9	0.10	3.000	0	95.7	80	120			
Surr: 4-Bromofluorobenzene	0.99		1.000		99.0	70	130			

**Qualifiers:**

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



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: EOG Work Order Number: 2203351 RcptNo: 1

Received By: Cheyenne Cason 3/5/2022 8:55:00 AM
Completed By: Cheyenne Cason 3/5/2022 9:31:20 AM
Reviewed By: [Signature] 3/5/22

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [ ] Not Present [ ]
2. How was the sample delivered? Courier

Log In

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

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

Adjusted?

Checked by: [Signature] 3/5/22

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [ ] No [ ] NA [checked]

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

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Contains 3 rows of data.

### Chain-of-Custody Record

Client: EOG

Mailing Address: on file

Phone #: \_\_\_\_\_

email or Fax#: \_\_\_\_\_

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

Accreditation:  Az Compliance  NELAC  Other

EDD (Type) \_\_\_\_\_

Turn-Around Time:  Standard  Rush 5 Day

Project Name: Mallard HM Fee Battery

Project #: 22E-00123-08

Project Manager: Monica Peppin

Sampler: Sally Car-Har

On Ice:  Yes  No

# of Coolers: 3

Cooler Temp (including CF): See Checkin (°C)

Container Type and #

Preservative Type

HEAL No. 2203351

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
3/3	10:00	Soil	BH22-01 0-4'	4oz jar	ice	001
			BH22-02 0-4'			002
			BH22-03 0-4'			003
			BH22-04 0-4'			004
			BH22-05 0-4'			005
	10:30		BH22-06 0-4'			006
			BH22-07 0-4'			007
			BH22-08 0-4'			008
			BH22-09 0-4'			009
			BH22-10 0-4'			010
			BH22-11 0-4'			011
			BH22-12 0-4'			012

Relinquished by: \_\_\_\_\_

Relinquished by: \_\_\_\_\_

Date: 3/4/22 Time: 1900

Date: 3/4/22 Time: 9:45

Via: air

Via: air

Received by: Chr cam Date: 3/5/22 Time: 0855



**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

**Analysis Request**

<input checked="" type="checkbox"/> BTEX / MTBE / TMB's (8021)	
<input checked="" type="checkbox"/> TPH:8015D(GRO / DRO / MRO)	
8081 Pesticides/8082 PCB's	
EDB (Method 504.1)	
PAHs by 8310 or 8270SIMS	
RCRA 8 Metals	
<input checked="" type="checkbox"/> Cl <sup>-</sup> , Br <sup>-</sup> , NO <sub>3</sub> <sup>-</sup> , NO <sub>2</sub> <sup>-</sup> , PO <sub>4</sub> <sup>3-</sup> , SO <sub>4</sub> <sup>2-</sup>	
8260 (VOA)	
8270 (Semi-VOA)	
Total Coliform (Present/Absent)	

Remarks: direct bill EOG

# Chain-of-Custody Record

Client: EOG  
 Mailing Address: on file  
 Phone #: \_\_\_\_\_  
 email or Fax#: \_\_\_\_\_

QA/QC Package:  Level 4 (Full Validation)  
 Standard  Az Compliance  Other  
 Accreditation:  NELAC  Other  
 EDD (Type) \_\_\_\_\_

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
3/3	10:45	Soil	BH22-13 0-4'	4 oz jar	ice	2203351
			BH22-14 0-4'			013
			BH22-15 0-4'			014
			BH22-16 0-4'			015
			BH22-17 0-4'			016
	11:00		BH22-18 0-4'			017
	"		BH22-19 0-4'			018
	14:30		BH22-20 0-4'			019
			BH22-21 0-4'			020
			BH22-22 0-4'			021
	10:00		BH22-23 0-4'			022
	"		BH22-24 0-4'			023
						024

Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_  
 Date: 3/4/22 Time: 1400  
 Relinquished by: Monica Peppin

Turn-Around Time: \_\_\_\_\_  
 Standard  Rush 5 DAY  
 Project Name: Mallard HM Fee Battery  
 Project #: 22E-00123-08

Project Manager: Monica Peppin  
 Sampler: Sally Carttar  
 On Ice:  Yes  No  
 # of Coolers: 3

Cooler Temp (including CF): See Check 131°C  
 Container Type and #  
 Preservative Type  
 HEAL No.  
2203351

Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Received by: Monica Peppin Date: 3/4/22 Time: 1405  
 Via: car Date: 3/5/22 Time: 0855



**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

**Analysis Request**

<input checked="" type="checkbox"/> BTEX / MTBE / TMB's (8021)	<input checked="" type="checkbox"/>
TPH:8015D(GRO / DRO / MRO)	<input checked="" type="checkbox"/>
8081 Pesticides/8082 PCB's	<input type="checkbox"/>
EDB (Method 504.1)	<input type="checkbox"/>
PAHs by 8310 or 8270SIMS	<input type="checkbox"/>
RCRA 8 Metals	<input type="checkbox"/>
<input checked="" type="checkbox"/> Cl, F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub>	<input checked="" type="checkbox"/>
8260 (VOA)	<input type="checkbox"/>
8270 (Semi-VOA)	<input type="checkbox"/>
Total Coliform (Present/Absent)	<input type="checkbox"/>

Remarks: direct bill EOG

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





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

March 17, 2022

Monica Peppin

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX:

RE: Mallard HM Fee Battery

OrderNo.: 2203505

Dear Monica Peppin:

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/9/2022 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](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

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

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

**Analytical Report**

Lab Order **2203505**

Date Reported: **3/17/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-50 4'

**Project:** Mallard HM Fee Battery

**Collection Date:** 3/4/2022 9:45:00 AM

**Lab ID:** 2203505-001

**Matrix:** SOIL

**Received Date:** 3/9/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	2200	150		mg/Kg	50	3/16/2022 4:45:27 PM	66173
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	3/14/2022 4:15:47 PM	66115
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	3/14/2022 4:15:47 PM	66115
Surr: DNOP	57.2	51.1-141		%Rec	1	3/14/2022 4:15:47 PM	66115
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	3/12/2022 4:00:00 AM	66062
Surr: BFB	102	70-130		%Rec	1	3/12/2022 4:00:00 AM	66062
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.023		mg/Kg	1	3/12/2022 4:00:00 AM	66062
Toluene	ND	0.046		mg/Kg	1	3/12/2022 4:00:00 AM	66062
Ethylbenzene	ND	0.046		mg/Kg	1	3/12/2022 4:00:00 AM	66062
Xylenes, Total	ND	0.093		mg/Kg	1	3/12/2022 4:00:00 AM	66062
Surr: 4-Bromofluorobenzene	88.6	70-130		%Rec	1	3/12/2022 4:00:00 AM	66062

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

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

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2203505

17-Mar-22

**Client:** EOG  
**Project:** Mallard HM Fee Battery

Sample ID: <b>MB-66115</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>66115</b>	RunNo: <b>86435</b>								
Prep Date: <b>3/11/2022</b>	Analysis Date: <b>3/14/2022</b>	SeqNo: <b>3049507</b>	Units: <b>mg/Kg</b>							
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	8.1		10.00		80.6	51.1	141			

Sample ID: <b>LCS-66115</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>66115</b>	RunNo: <b>86435</b>								
Prep Date: <b>3/11/2022</b>	Analysis Date: <b>3/14/2022</b>	SeqNo: <b>3049508</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.00	0	85.3	68.9	135			
Surr: DNOP	3.9		5.000		77.5	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 Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2203505

17-Mar-22

**Client:** EOG  
**Project:** Mallard HM Fee Battery

Sample ID: <b>ics-66062</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>66062</b>	RunNo: <b>86409</b>								
Prep Date: <b>3/9/2022</b>	Analysis Date: <b>3/11/2022</b>	SeqNo: <b>3049016</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	29	5.0	25.00	0	118	78.6	131			
Surr: BFB	2300		1000		231	70	130			S

Sample ID: <b>mb-66062</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>66062</b>	RunNo: <b>86409</b>								
Prep Date: <b>3/9/2022</b>	Analysis Date: <b>3/11/2022</b>	SeqNo: <b>3049017</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		101	70	130			

**Qualifiers:**

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

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2203505

17-Mar-22

**Client:** EOG  
**Project:** Mallard HM Fee Battery

Sample ID: <b>ics-66062</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>66062</b>		RunNo: <b>86409</b>							
Prep Date: <b>3/9/2022</b>	Analysis Date: <b>3/11/2022</b>		SeqNo: <b>3049056</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.025	1.000	0	92.4	80	120			
Toluene	0.95	0.050	1.000	0	95.0	80	120			
Ethylbenzene	0.96	0.050	1.000	0	96.3	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.1	80	120			
Surr: 4-Bromofluorobenzene	0.89		1.000		89.2	70	130			

Sample ID: <b>mb-66062</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>PBS</b>	Batch ID: <b>66062</b>		RunNo: <b>86409</b>							
Prep Date: <b>3/9/2022</b>	Analysis Date: <b>3/11/2022</b>		SeqNo: <b>3049057</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.89		1.000		89.0	70	130			

**Qualifiers:**

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



# Sample Log-In Check List

Client Name: EOG

Work Order Number: 2203505

RcptNo: 1

Received By: Sean Livingston 3/9/2022 8:00:00 AM

Completed By: Sean Livingston 3/9/2022 9:01:09 AM

Reviewed By: *me* 3/9/22

*Sean Livingston*  
*Sean Livingston*

### Chain of Custody

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

### Log In

- 3. Was an attempt made to cool the samples? Yes  No  NA
- 4. Were all samples received at a temperature of >0° 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? Yes  No   
(Note discrepancies on chain of custody)
- 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? Yes  No   
(If no, notify customer for authorization.)

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

Checked by: *JZ 3/9/22*

### 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	0.5	Good				
2	2.9	Good				

# Chain-of-Custody Record



**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Turn-Around Time:  Standard  Rush 5 Day

Project Name: Mallard HM Fee battery

Project #: 22E-00123-08

Project Manager: Monica Peppin

Sampler: Sally Carttar

On Ice:  Yes  No

# of Coolers: 2

Cooler Temp (including OF): 0.5 ± 0.5 (°C)

Container Type and #: 40 jar ice

Preservative Type: ice

HEAL No.: 2203505

Date: 3/4 9:45

Matrix: soil

Sample Name: BH22-50 4'

Date: 3/8/22 9:00

Relinquished by: Monica

Date: 3/8/22 10:45

Relinquished by: See comment

Received by: Monica Date: 3/8/22 Time: 10:45

Received by: See comment Date: 3/8/22 Time: 8:00

## Analysis Request

<input checked="" type="checkbox"/> BTEX / MTBE / TMB's (8021)	
<input checked="" type="checkbox"/> TPH:8015D(GRO / DRO / MRO)	
8081 Pesticides/8082 PCB's	
EDB (Method 504.1)	
PAHs by 8310 or 8270SIMS	
RCRA 8 Metals	
<input checked="" type="checkbox"/> Cl, F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub>	
8260 (VOA)	
8270 (Semi-VOA)	
Total Coliform (Present/Absent)	

Remarks:

direct bill EOG

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



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

March 23, 2022

Monica Peppin

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX

RE: Mallard HM Fee Battery

OrderNo.: 2203498

Dear Monica Peppin:

Hall Environmental Analysis Laboratory received 24 sample(s) on 3/9/2022 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](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

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

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a white background.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

**Analytical Report**

Lab Order **2203498**

Date Reported: 3/23/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-26 4'

**Project:** Mallard HM Fee Battery

**Collection Date:** 3/4/2022 10:00:00 AM

**Lab ID:** 2203498-001

**Matrix:** SOIL

**Received Date:** 3/9/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	290	60		mg/Kg	20	3/15/2022 2:03:18 PM	66175
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	3/11/2022 8:55:15 PM	66079
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/11/2022 8:55:15 PM	66079
Surr: DNOP	104	51.1-141		%Rec	1	3/11/2022 8:55:15 PM	66079
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/12/2022 1:42:58 PM	66061
Surr: BFB	108	70-130		%Rec	1	3/12/2022 1:42:58 PM	66061
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.023		mg/Kg	1	3/12/2022 1:42:58 PM	66061
Toluene	ND	0.047		mg/Kg	1	3/12/2022 1:42:58 PM	66061
Ethylbenzene	ND	0.047		mg/Kg	1	3/12/2022 1:42:58 PM	66061
Xylenes, Total	ND	0.093		mg/Kg	1	3/12/2022 1:42:58 PM	66061
Surr: 4-Bromofluorobenzene	97.9	70-130		%Rec	1	3/12/2022 1:42:58 PM	66061

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

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

**Analytical Report**

Lab Order **2203498**

Date Reported: **3/23/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-27 4'

**Project:** Mallard HM Fee Battery

**Collection Date:** 3/4/2022 10:10:00 AM

**Lab ID:** 2203498-002

**Matrix:** SOIL

**Received Date:** 3/9/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	980	60		mg/Kg	20	3/15/2022 2:40:31 PM	66175
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	3/11/2022 9:05:49 PM	66079
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/11/2022 9:05:49 PM	66079
Surr: DNOP	87.2	51.1-141		%Rec	1	3/11/2022 9:05:49 PM	66079
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/12/2022 2:06:40 PM	66061
Surr: BFB	106	70-130		%Rec	1	3/12/2022 2:06:40 PM	66061
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.023		mg/Kg	1	3/12/2022 2:06:40 PM	66061
Toluene	ND	0.047		mg/Kg	1	3/12/2022 2:06:40 PM	66061
Ethylbenzene	ND	0.047		mg/Kg	1	3/12/2022 2:06:40 PM	66061
Xylenes, Total	ND	0.094		mg/Kg	1	3/12/2022 2:06:40 PM	66061
Surr: 4-Bromofluorobenzene	97.0	70-130		%Rec	1	3/12/2022 2:06:40 PM	66061

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

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

**Analytical Report**

Lab Order **2203498**

Date Reported: 3/23/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-28 4'

**Project:** Mallard HM Fee Battery

**Collection Date:** 3/4/2022 10:20:00 AM

**Lab ID:** 2203498-003

**Matrix:** SOIL

**Received Date:** 3/9/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	330	60		mg/Kg	20	3/15/2022 2:52:56 PM	66175
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	110	10		mg/Kg	1	3/11/2022 9:16:27 PM	66079
Motor Oil Range Organics (MRO)	190	50		mg/Kg	1	3/11/2022 9:16:27 PM	66079
Surr: DNOP	104	51.1-141		%Rec	1	3/11/2022 9:16:27 PM	66079
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/12/2022 3:41:32 PM	66061
Surr: BFB	103	70-130		%Rec	1	3/12/2022 3:41:32 PM	66061
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	3/12/2022 3:41:32 PM	66061
Toluene	ND	0.050		mg/Kg	1	3/12/2022 3:41:32 PM	66061
Ethylbenzene	ND	0.050		mg/Kg	1	3/12/2022 3:41:32 PM	66061
Xylenes, Total	ND	0.10		mg/Kg	1	3/12/2022 3:41:32 PM	66061
Surr: 4-Bromofluorobenzene	97.0	70-130		%Rec	1	3/12/2022 3:41:32 PM	66061

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

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

**Analytical Report**

Lab Order **2203498**

Date Reported: **3/23/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-29 4'

**Project:** Mallard HM Fee Battery

**Collection Date:** 3/4/2022 10:30:00 AM

**Lab ID:** 2203498-004

**Matrix:** SOIL

**Received Date:** 3/9/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	2100	60		mg/Kg	20	3/15/2022 3:05:20 PM	66175
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	110	9.3		mg/Kg	1	3/11/2022 9:37:55 PM	66079
Motor Oil Range Organics (MRO)	120	47		mg/Kg	1	3/11/2022 9:37:55 PM	66079
Surr: DNOP	90.1	51.1-141		%Rec	1	3/11/2022 9:37:55 PM	66079
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/12/2022 4:05:14 PM	66061
Surr: BFB	106	70-130		%Rec	1	3/12/2022 4:05:14 PM	66061
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	3/12/2022 4:05:14 PM	66061
Toluene	ND	0.048		mg/Kg	1	3/12/2022 4:05:14 PM	66061
Ethylbenzene	ND	0.048		mg/Kg	1	3/12/2022 4:05:14 PM	66061
Xylenes, Total	ND	0.095		mg/Kg	1	3/12/2022 4:05:14 PM	66061
Surr: 4-Bromofluorobenzene	94.5	70-130		%Rec	1	3/12/2022 4:05:14 PM	66061

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

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

**Analytical Report**

Lab Order **2203498**

Date Reported: 3/23/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-30 4'

**Project:** Mallard HM Fee Battery

**Collection Date:** 3/4/2022 10:40:00 AM

**Lab ID:** 2203498-005

**Matrix:** SOIL

**Received Date:** 3/9/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	640	59		mg/Kg	20	3/15/2022 3:17:44 PM	66175
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	3/11/2022 9:48:45 PM	66079
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/11/2022 9:48:45 PM	66079
Surr: DNOP	100	51.1-141		%Rec	1	3/11/2022 9:48:45 PM	66079
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/12/2022 4:29:02 PM	66061
Surr: BFB	105	70-130		%Rec	1	3/12/2022 4:29:02 PM	66061
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	3/12/2022 4:29:02 PM	66061
Toluene	ND	0.047		mg/Kg	1	3/12/2022 4:29:02 PM	66061
Ethylbenzene	ND	0.047		mg/Kg	1	3/12/2022 4:29:02 PM	66061
Xylenes, Total	ND	0.094		mg/Kg	1	3/12/2022 4:29:02 PM	66061
Surr: 4-Bromofluorobenzene	98.8	70-130		%Rec	1	3/12/2022 4:29:02 PM	66061

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

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

**Analytical Report**

Lab Order **2203498**

Date Reported: 3/23/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-31 4'

**Project:** Mallard HM Fee Battery

**Collection Date:** 3/4/2022 10:50:00 AM

**Lab ID:** 2203498-006

**Matrix:** SOIL

**Received Date:** 3/9/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	3100	150		mg/Kg	50	3/16/2022 10:32:57 PM	66175
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	15	9.4		mg/Kg	1	3/11/2022 9:59:36 PM	66079
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	3/11/2022 9:59:36 PM	66079
Surr: DNOP	105	51.1-141		%Rec	1	3/11/2022 9:59:36 PM	66079
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/12/2022 4:52:38 PM	66061
Surr: BFB	105	70-130		%Rec	1	3/12/2022 4:52:38 PM	66061
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	3/12/2022 4:52:38 PM	66061
Toluene	ND	0.047		mg/Kg	1	3/12/2022 4:52:38 PM	66061
Ethylbenzene	ND	0.047		mg/Kg	1	3/12/2022 4:52:38 PM	66061
Xylenes, Total	ND	0.095		mg/Kg	1	3/12/2022 4:52:38 PM	66061
Surr: 4-Bromofluorobenzene	98.3	70-130		%Rec	1	3/12/2022 4:52:38 PM	66061

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

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

**Analytical Report**

Lab Order **2203498**

Date Reported: 3/23/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-32 4'

**Project:** Mallard HM Fee Battery

**Collection Date:** 3/4/2022 11:00:00 AM

**Lab ID:** 2203498-007

**Matrix:** SOIL

**Received Date:** 3/9/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	610	60		mg/Kg	20	3/15/2022 4:07:23 PM	66175
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	3/11/2022 10:10:24 PM	66079
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	3/11/2022 10:10:24 PM	66079
Surr: DNOP	89.3	51.1-141		%Rec	1	3/11/2022 10:10:24 PM	66079
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/12/2022 5:16:10 PM	66061
Surr: BFB	106	70-130		%Rec	1	3/12/2022 5:16:10 PM	66061
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	3/12/2022 5:16:10 PM	66061
Toluene	ND	0.047		mg/Kg	1	3/12/2022 5:16:10 PM	66061
Ethylbenzene	ND	0.047		mg/Kg	1	3/12/2022 5:16:10 PM	66061
Xylenes, Total	ND	0.095		mg/Kg	1	3/12/2022 5:16:10 PM	66061
Surr: 4-Bromofluorobenzene	97.8	70-130		%Rec	1	3/12/2022 5:16:10 PM	66061

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

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

**Analytical Report**

Lab Order **2203498**

Date Reported: 3/23/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-33 4'

**Project:** Mallard HM Fee Battery

**Collection Date:** 3/4/2022 11:10:00 AM

**Lab ID:** 2203498-008

**Matrix:** SOIL

**Received Date:** 3/9/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	2800	150		mg/Kg	50	3/16/2022 10:45:22 PM	66175
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	890	92		mg/Kg	10	3/11/2022 1:01:02 PM	66079
Motor Oil Range Organics (MRO)	510	460		mg/Kg	10	3/11/2022 1:01:02 PM	66079
Surr: DNOP	0	51.1-141	S	%Rec	10	3/11/2022 1:01:02 PM	66079
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/12/2022 5:39:32 PM	66061
Surr: BFB	110	70-130		%Rec	1	3/12/2022 5:39:32 PM	66061
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	3/12/2022 5:39:32 PM	66061
Toluene	ND	0.048		mg/Kg	1	3/12/2022 5:39:32 PM	66061
Ethylbenzene	ND	0.048		mg/Kg	1	3/12/2022 5:39:32 PM	66061
Xylenes, Total	ND	0.096		mg/Kg	1	3/12/2022 5:39:32 PM	66061
Surr: 4-Bromofluorobenzene	98.9	70-130		%Rec	1	3/12/2022 5:39:32 PM	66061

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

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

**Analytical Report**

Lab Order **2203498**

Date Reported: **3/23/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-34 4'

**Project:** Mallard HM Fee Battery

**Collection Date:** 3/4/2022 11:20:00 AM

**Lab ID:** 2203498-009

**Matrix:** SOIL

**Received Date:** 3/9/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	600	60		mg/Kg	20	3/15/2022 4:32:11 PM	66175
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	11	9.2		mg/Kg	1	3/11/2022 10:21:11 PM	66079
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	3/11/2022 10:21:11 PM	66079
Surr: DNOP	95.4	51.1-141		%Rec	1	3/11/2022 10:21:11 PM	66079
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/12/2022 6:02:51 PM	66061
Surr: BFB	105	70-130		%Rec	1	3/12/2022 6:02:51 PM	66061
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	3/12/2022 6:02:51 PM	66061
Toluene	ND	0.048		mg/Kg	1	3/12/2022 6:02:51 PM	66061
Ethylbenzene	ND	0.048		mg/Kg	1	3/12/2022 6:02:51 PM	66061
Xylenes, Total	ND	0.096		mg/Kg	1	3/12/2022 6:02:51 PM	66061
Surr: 4-Bromofluorobenzene	97.8	70-130		%Rec	1	3/12/2022 6:02:51 PM	66061

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

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

**Analytical Report**

Lab Order **2203498**

Date Reported: 3/23/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-35 4'

**Project:** Mallard HM Fee Battery

**Collection Date:** 3/4/2022 11:30:00 AM

**Lab ID:** 2203498-010

**Matrix:** SOIL

**Received Date:** 3/9/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	3/11/2022 10:31:57 PM	66079
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	3/11/2022 10:31:57 PM	66079
Surr: DNOP	103	51.1-141		%Rec	1	3/11/2022 10:31:57 PM	66079
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/12/2022 6:26:16 PM	66061
Surr: BFB	106	70-130		%Rec	1	3/12/2022 6:26:16 PM	66061
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.023		mg/Kg	1	3/12/2022 6:26:16 PM	66061
Toluene	ND	0.047		mg/Kg	1	3/12/2022 6:26:16 PM	66061
Ethylbenzene	ND	0.047		mg/Kg	1	3/12/2022 6:26:16 PM	66061
Xylenes, Total	ND	0.094		mg/Kg	1	3/12/2022 6:26:16 PM	66061
Surr: 4-Bromofluorobenzene	97.2	70-130		%Rec	1	3/12/2022 6:26:16 PM	66061

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

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

**Analytical Report**

Lab Order **2203498**

Date Reported: 3/23/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-36 4'

**Project:** Mallard HM Fee Battery

**Collection Date:** 3/4/2022 11:40:00 AM

**Lab ID:** 2203498-011

**Matrix:** SOIL

**Received Date:** 3/9/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	500	60		mg/Kg	20	3/15/2022 4:44:36 PM	66175
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	590	9.6		mg/Kg	1	3/11/2022 10:42:43 PM	66079
Motor Oil Range Organics (MRO)	230	48		mg/Kg	1	3/11/2022 10:42:43 PM	66079
Surr: DNOP	104	51.1-141		%Rec	1	3/11/2022 10:42:43 PM	66079
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/12/2022 6:49:54 PM	66061
Surr: BFB	105	70-130		%Rec	1	3/12/2022 6:49:54 PM	66061
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	3/12/2022 6:49:54 PM	66061
Toluene	ND	0.048		mg/Kg	1	3/12/2022 6:49:54 PM	66061
Ethylbenzene	ND	0.048		mg/Kg	1	3/12/2022 6:49:54 PM	66061
Xylenes, Total	ND	0.095		mg/Kg	1	3/12/2022 6:49:54 PM	66061
Surr: 4-Bromofluorobenzene	95.4	70-130		%Rec	1	3/12/2022 6:49:54 PM	66061

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

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

**Analytical Report**

Lab Order **2203498**

Date Reported: 3/23/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-37 4'

**Project:** Mallard HM Fee Battery

**Collection Date:** 3/4/2022 10:15:00 AM

**Lab ID:** 2203498-012

**Matrix:** SOIL

**Received Date:** 3/9/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	1700	60		mg/Kg	20	3/15/2022 4:57:00 PM	66175
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	3/11/2022 11:14:27 PM	66079
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	3/11/2022 11:14:27 PM	66079
Surr: DNOP	102	51.1-141		%Rec	1	3/11/2022 11:14:27 PM	66079
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/12/2022 7:13:39 PM	66061
Surr: BFB	103	70-130		%Rec	1	3/12/2022 7:13:39 PM	66061
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	3/12/2022 7:13:39 PM	66061
Toluene	ND	0.049		mg/Kg	1	3/12/2022 7:13:39 PM	66061
Ethylbenzene	ND	0.049		mg/Kg	1	3/12/2022 7:13:39 PM	66061
Xylenes, Total	ND	0.098		mg/Kg	1	3/12/2022 7:13:39 PM	66061
Surr: 4-Bromofluorobenzene	95.9	70-130		%Rec	1	3/12/2022 7:13:39 PM	66061

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

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

**Analytical Report**

Lab Order **2203498**

Date Reported: 3/23/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-38 4'

**Project:** Mallard HM Fee Battery

**Collection Date:** 3/4/2022 10:15:00 AM

**Lab ID:** 2203498-013

**Matrix:** SOIL

**Received Date:** 3/9/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	2800	150		mg/Kg	50	3/16/2022 10:57:47 PM	66175
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	1800	200		mg/Kg	20	3/11/2022 1:49:17 PM	66079
Motor Oil Range Organics (MRO)	1200	980		mg/Kg	20	3/11/2022 1:49:17 PM	66079
Surr: DNOP	0	51.1-141	S	%Rec	20	3/11/2022 1:49:17 PM	66079
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	3/12/2022 8:01:10 PM	66061
Surr: BFB	109	70-130		%Rec	5	3/12/2022 8:01:10 PM	66061
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.12		mg/Kg	5	3/12/2022 8:01:10 PM	66061
Toluene	ND	0.24		mg/Kg	5	3/12/2022 8:01:10 PM	66061
Ethylbenzene	ND	0.24		mg/Kg	5	3/12/2022 8:01:10 PM	66061
Xylenes, Total	ND	0.48		mg/Kg	5	3/12/2022 8:01:10 PM	66061
Surr: 4-Bromofluorobenzene	99.2	70-130		%Rec	5	3/12/2022 8:01:10 PM	66061

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

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

**Analytical Report**

Lab Order **2203498**

Date Reported: 3/23/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-39 4'

**Project:** Mallard HM Fee Battery

**Collection Date:** 3/4/2022 10:15:00 AM

**Lab ID:** 2203498-014

**Matrix:** SOIL

**Received Date:** 3/9/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	7300	300		mg/Kg	100	3/16/2022 3:18:33 PM	66173
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	3/11/2022 11:25:11 PM	66079
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/11/2022 11:25:11 PM	66079
Surr: DNOP	111	51.1-141		%Rec	1	3/11/2022 11:25:11 PM	66079
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/12/2022 8:24:57 PM	66061
Surr: BFB	106	70-130		%Rec	1	3/12/2022 8:24:57 PM	66061
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	3/12/2022 8:24:57 PM	66061
Toluene	ND	0.049		mg/Kg	1	3/12/2022 8:24:57 PM	66061
Ethylbenzene	ND	0.049		mg/Kg	1	3/12/2022 8:24:57 PM	66061
Xylenes, Total	ND	0.097		mg/Kg	1	3/12/2022 8:24:57 PM	66061
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	3/12/2022 8:24:57 PM	66061

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

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

**Analytical Report**

Lab Order **2203498**

Date Reported: 3/23/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-40 4'

**Project:** Mallard HM Fee Battery

**Collection Date:** 3/4/2022 10:15:00 AM

**Lab ID:** 2203498-015

**Matrix:** SOIL

**Received Date:** 3/9/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	100	60		mg/Kg	20	3/15/2022 2:27:53 PM	66173
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	3/11/2022 3:49:00 PM	66080
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	3/11/2022 3:49:00 PM	66080
Surr: DNOP	83.1	51.1-141		%Rec	1	3/11/2022 3:49:00 PM	66080
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/12/2022 8:48:42 PM	66061
Surr: BFB	107	70-130		%Rec	1	3/12/2022 8:48:42 PM	66061
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	3/12/2022 8:48:42 PM	66061
Toluene	ND	0.047		mg/Kg	1	3/12/2022 8:48:42 PM	66061
Ethylbenzene	ND	0.047		mg/Kg	1	3/12/2022 8:48:42 PM	66061
Xylenes, Total	ND	0.095		mg/Kg	1	3/12/2022 8:48:42 PM	66061
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	3/12/2022 8:48:42 PM	66061

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

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

**Analytical Report**

Lab Order **2203498**

Date Reported: 3/23/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-41 4'

**Project:** Mallard HM Fee Battery

**Collection Date:** 3/4/2022 10:00:00 AM

**Lab ID:** 2203498-016

**Matrix:** SOIL

**Received Date:** 3/9/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	290	60		mg/Kg	20	3/15/2022 2:40:18 PM	66173
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	1100	100		mg/Kg	10	3/11/2022 11:00:29 AM	66080
Motor Oil Range Organics (MRO)	760	500		mg/Kg	10	3/11/2022 11:00:29 AM	66080
Surr: DNOP	0	51.1-141	S	%Rec	10	3/11/2022 11:00:29 AM	66080
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	3/12/2022 9:12:26 PM	66061
Surr: BFB	120	70-130		%Rec	5	3/12/2022 9:12:26 PM	66061
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.12		mg/Kg	5	3/12/2022 9:12:26 PM	66061
Toluene	ND	0.24		mg/Kg	5	3/12/2022 9:12:26 PM	66061
Ethylbenzene	ND	0.24		mg/Kg	5	3/12/2022 9:12:26 PM	66061
Xylenes, Total	ND	0.48		mg/Kg	5	3/12/2022 9:12:26 PM	66061
Surr: 4-Bromofluorobenzene	99.9	70-130		%Rec	5	3/12/2022 9:12:26 PM	66061

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

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

**Analytical Report**

Lab Order **2203498**

Date Reported: 3/23/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-42 4'

**Project:** Mallard HM Fee Battery

**Collection Date:** 3/4/2022 10:00:00 AM

**Lab ID:** 2203498-017

**Matrix:** SOIL

**Received Date:** 3/9/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	5200	300		mg/Kg	100	3/16/2022 3:30:58 PM	66173
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	3/11/2022 3:59:42 PM	66080
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	3/11/2022 3:59:42 PM	66080
Surr: DNOP	86.8	51.1-141		%Rec	1	3/11/2022 3:59:42 PM	66080
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/12/2022 9:36:07 PM	66061
Surr: BFB	103	70-130		%Rec	1	3/12/2022 9:36:07 PM	66061
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	3/12/2022 9:36:07 PM	66061
Toluene	ND	0.048		mg/Kg	1	3/12/2022 9:36:07 PM	66061
Ethylbenzene	ND	0.048		mg/Kg	1	3/12/2022 9:36:07 PM	66061
Xylenes, Total	ND	0.096		mg/Kg	1	3/12/2022 9:36:07 PM	66061
Surr: 4-Bromofluorobenzene	97.7	70-130		%Rec	1	3/12/2022 9:36:07 PM	66061

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

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

**Analytical Report**

Lab Order **2203498**

Date Reported: **3/23/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-43 4'

**Project:** Mallard HM Fee Battery

**Collection Date:** 3/4/2022 10:00:00 AM

**Lab ID:** 2203498-018

**Matrix:** SOIL

**Received Date:** 3/9/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	300	60		mg/Kg	20	3/15/2022 3:05:07 PM	66173
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	3/11/2022 4:10:25 PM	66080
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/11/2022 4:10:25 PM	66080
Surr: DNOP	82.3	51.1-141		%Rec	1	3/11/2022 4:10:25 PM	66080
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/11/2022 9:47:00 PM	66062
Surr: BFB	103	70-130		%Rec	1	3/11/2022 9:47:00 PM	66062
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.023		mg/Kg	1	3/11/2022 9:47:00 PM	66062
Toluene	ND	0.047		mg/Kg	1	3/11/2022 9:47:00 PM	66062
Ethylbenzene	ND	0.047		mg/Kg	1	3/11/2022 9:47:00 PM	66062
Xylenes, Total	ND	0.093		mg/Kg	1	3/11/2022 9:47:00 PM	66062
Surr: 4-Bromofluorobenzene	89.4	70-130		%Rec	1	3/11/2022 9:47:00 PM	66062

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

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

**Analytical Report**

Lab Order **2203498**

Date Reported: **3/23/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-44 4'

**Project:** Mallard HM Fee Battery

**Collection Date:** 3/4/2022 10:00:00 AM

**Lab ID:** 2203498-019

**Matrix:** SOIL

**Received Date:** 3/9/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	2300	150		mg/Kg	50	3/16/2022 3:43:23 PM	66173
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	3/11/2022 4:21:05 PM	66080
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/11/2022 4:21:05 PM	66080
Surr: DNOP	106	51.1-141		%Rec	1	3/11/2022 4:21:05 PM	66080
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/11/2022 10:46:00 PM	66062
Surr: BFB	101	70-130		%Rec	1	3/11/2022 10:46:00 PM	66062
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	3/11/2022 10:46:00 PM	66062
Toluene	ND	0.048		mg/Kg	1	3/11/2022 10:46:00 PM	66062
Ethylbenzene	ND	0.048		mg/Kg	1	3/11/2022 10:46:00 PM	66062
Xylenes, Total	ND	0.097		mg/Kg	1	3/11/2022 10:46:00 PM	66062
Surr: 4-Bromofluorobenzene	86.8	70-130		%Rec	1	3/11/2022 10:46:00 PM	66062

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

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

**Analytical Report**

Lab Order **2203498**

Date Reported: 3/23/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-45 4'

**Project:** Mallard HM Fee Battery

**Collection Date:** 3/4/2022 10:00:00 AM

**Lab ID:** 2203498-020

**Matrix:** SOIL

**Received Date:** 3/9/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	2000	150		mg/Kg	50	3/16/2022 3:55:48 PM	66173
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	3/11/2022 4:31:45 PM	66080
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/11/2022 4:31:45 PM	66080
Surr: DNOP	84.3	51.1-141		%Rec	1	3/11/2022 4:31:45 PM	66080
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/11/2022 11:45:00 PM	66062
Surr: BFB	102	70-130		%Rec	1	3/11/2022 11:45:00 PM	66062
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	3/11/2022 11:45:00 PM	66062
Toluene	ND	0.047		mg/Kg	1	3/11/2022 11:45:00 PM	66062
Ethylbenzene	ND	0.047		mg/Kg	1	3/11/2022 11:45:00 PM	66062
Xylenes, Total	ND	0.094		mg/Kg	1	3/11/2022 11:45:00 PM	66062
Surr: 4-Bromofluorobenzene	85.7	70-130		%Rec	1	3/11/2022 11:45:00 PM	66062

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

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

**Analytical Report**

Lab Order **2203498**

Date Reported: 3/23/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-46 4'

**Project:** Mallard HM Fee Battery

**Collection Date:** 3/4/2022 9:45:00 AM

**Lab ID:** 2203498-021

**Matrix:** SOIL

**Received Date:** 3/9/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	2600	150		mg/Kg	50	3/18/2022 12:18:40 AM	66173
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	3/14/2022 9:22:06 AM	66115
Motor Oil Range Organics (MRO)	ND	51		mg/Kg	1	3/14/2022 9:22:06 AM	66115
Surr: DNOP	76.0	51.1-141		%Rec	1	3/14/2022 9:22:06 AM	66115
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	3/12/2022 12:05:00 AM	66062
Surr: BFB	102	70-130		%Rec	1	3/12/2022 12:05:00 AM	66062
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.023		mg/Kg	1	3/12/2022 12:05:00 AM	66062
Toluene	ND	0.046		mg/Kg	1	3/12/2022 12:05:00 AM	66062
Ethylbenzene	ND	0.046		mg/Kg	1	3/12/2022 12:05:00 AM	66062
Xylenes, Total	ND	0.093		mg/Kg	1	3/12/2022 12:05:00 AM	66062
Surr: 4-Bromofluorobenzene	88.3	70-130		%Rec	1	3/12/2022 12:05:00 AM	66062

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

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

**Analytical Report**

Lab Order **2203498**

Date Reported: **3/23/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-47 4'

**Project:** Mallard HM Fee Battery

**Collection Date:** 3/4/2022 9:45:00 AM

**Lab ID:** 2203498-022

**Matrix:** SOIL

**Received Date:** 3/9/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	580	60		mg/Kg	20	3/15/2022 4:19:34 PM	66173
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	29	9.7		mg/Kg	1	3/14/2022 12:49:28 PM	66115
Motor Oil Range Organics (MRO)	58	48		mg/Kg	1	3/14/2022 12:49:28 PM	66115
Surr: DNOP	81.1	51.1-141		%Rec	1	3/14/2022 12:49:28 PM	66115
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/12/2022 12:25:00 AM	66062
Surr: BFB	101	70-130		%Rec	1	3/12/2022 12:25:00 AM	66062
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	3/12/2022 12:25:00 AM	66062
Toluene	ND	0.047		mg/Kg	1	3/12/2022 12:25:00 AM	66062
Ethylbenzene	ND	0.047		mg/Kg	1	3/12/2022 12:25:00 AM	66062
Xylenes, Total	ND	0.094		mg/Kg	1	3/12/2022 12:25:00 AM	66062
Surr: 4-Bromofluorobenzene	85.6	70-130		%Rec	1	3/12/2022 12:25:00 AM	66062

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

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

**Analytical Report**

Lab Order **2203498**

Date Reported: 3/23/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-48 4'

**Project:** Mallard HM Fee Battery

**Collection Date:** 3/4/2022 9:45:00 AM

**Lab ID:** 2203498-023

**Matrix:** SOIL

**Received Date:** 3/9/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	670	60		mg/Kg	20	3/15/2022 4:31:58 PM	66173
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	3/14/2022 1:17:57 PM	66115
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/14/2022 1:17:57 PM	66115
Surr: DNOP	65.8	51.1-141		%Rec	1	3/14/2022 1:17:57 PM	66115
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/12/2022 12:44:00 AM	66062
Surr: BFB	102	70-130		%Rec	1	3/12/2022 12:44:00 AM	66062
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	3/12/2022 12:44:00 AM	66062
Toluene	ND	0.050		mg/Kg	1	3/12/2022 12:44:00 AM	66062
Ethylbenzene	ND	0.050		mg/Kg	1	3/12/2022 12:44:00 AM	66062
Xylenes, Total	ND	0.099		mg/Kg	1	3/12/2022 12:44:00 AM	66062
Surr: 4-Bromofluorobenzene	87.9	70-130		%Rec	1	3/12/2022 12:44:00 AM	66062

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

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

**Analytical Report**

Lab Order **2203498**

Date Reported: 3/23/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** BH22-49 4'

**Project:** Mallard HM Fee Battery

**Collection Date:** 3/4/2022 9:45:00 AM

**Lab ID:** 2203498-024

**Matrix:** SOIL

**Received Date:** 3/9/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	840	60		mg/Kg	20	3/15/2022 4:44:22 PM	66173
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	3/14/2022 1:32:28 PM	66115
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	3/14/2022 1:32:28 PM	66115
Surr: DNOP	67.2	51.1-141		%Rec	1	3/14/2022 1:32:28 PM	66115
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	3/12/2022 1:04:00 AM	66062
Surr: BFB	102	70-130		%Rec	1	3/12/2022 1:04:00 AM	66062
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.023		mg/Kg	1	3/12/2022 1:04:00 AM	66062
Toluene	ND	0.046		mg/Kg	1	3/12/2022 1:04:00 AM	66062
Ethylbenzene	ND	0.046		mg/Kg	1	3/12/2022 1:04:00 AM	66062
Xylenes, Total	ND	0.091		mg/Kg	1	3/12/2022 1:04:00 AM	66062
Surr: 4-Bromofluorobenzene	90.0	70-130		%Rec	1	3/12/2022 1:04:00 AM	66062

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

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2203498

23-Mar-22

**Client:** EOG  
**Project:** Mallard HM Fee Battery

Sample ID: <b>MB-66175</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>66175</b>	RunNo: <b>86472</b>								
Prep Date: <b>3/15/2022</b>	Analysis Date: <b>3/15/2022</b>	SeqNo: <b>3052388</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-66175</b>	SampType: <b>ics</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>66175</b>	RunNo: <b>86472</b>								
Prep Date: <b>3/15/2022</b>	Analysis Date: <b>3/15/2022</b>	SeqNo: <b>3052390</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	90.6	90	110			

Sample ID: <b>MB-66173</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>66173</b>	RunNo: <b>86503</b>								
Prep Date: <b>3/15/2022</b>	Analysis Date: <b>3/15/2022</b>	SeqNo: <b>3052468</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-66173</b>	SampType: <b>ics</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>66173</b>	RunNo: <b>86503</b>								
Prep Date: <b>3/15/2022</b>	Analysis Date: <b>3/15/2022</b>	SeqNo: <b>3052469</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.9	90	110			

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E 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#: 2203498

23-Mar-22

**Client:** EOG  
**Project:** Mallard HM Fee Battery

Sample ID: <b>LCS-66078</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>66078</b>	RunNo: <b>86412</b>								
Prep Date: <b>3/10/2022</b>	Analysis Date: <b>3/11/2022</b>	SeqNo: <b>3048356</b>	Units: <b>%Rec</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.0		5.000		101	51.1	141			

Sample ID: <b>MB-66079</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>66079</b>	RunNo: <b>86415</b>								
Prep Date: <b>3/10/2022</b>	Analysis Date: <b>3/11/2022</b>	SeqNo: <b>3048560</b>	Units: <b>mg/Kg</b>							
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		103	51.1	141			

Sample ID: <b>MB-66080</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>66080</b>	RunNo: <b>86415</b>								
Prep Date: <b>3/10/2022</b>	Analysis Date: <b>3/11/2022</b>	SeqNo: <b>3048561</b>	Units: <b>mg/Kg</b>							
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		100	51.1	141			

Sample ID: <b>LCS-66079</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>66079</b>	RunNo: <b>86415</b>								
Prep Date: <b>3/10/2022</b>	Analysis Date: <b>3/11/2022</b>	SeqNo: <b>3048562</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.00	0	85.5	68.9	135			
Surr: DNOP	4.8		5.000		95.6	51.1	141			

Sample ID: <b>LCS-66080</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>66080</b>	RunNo: <b>86415</b>								
Prep Date: <b>3/10/2022</b>	Analysis Date: <b>3/11/2022</b>	SeqNo: <b>3048563</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	87.5	68.9	135			
Surr: DNOP	4.9		5.000		98.7	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 Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2203498

23-Mar-22

**Client:** EOG  
**Project:** Mallard HM Fee Battery

Sample ID: <b>MB-66115</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>66115</b>	RunNo: <b>86435</b>								
Prep Date: <b>3/11/2022</b>	Analysis Date: <b>3/14/2022</b>	SeqNo: <b>3049507</b>	Units: <b>mg/Kg</b>							
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	8.1		10.00		80.6	51.1	141			

Sample ID: <b>LCS-66115</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>66115</b>	RunNo: <b>86435</b>								
Prep Date: <b>3/11/2022</b>	Analysis Date: <b>3/14/2022</b>	SeqNo: <b>3049508</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.00	0	85.3	68.9	135			
Surr: DNOP	3.9		5.000		77.5	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 Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2203498

23-Mar-22

**Client:** EOG  
**Project:** Mallard HM Fee Battery

Sample ID: <b>ics-66062</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>66062</b>	RunNo: <b>86409</b>								
Prep Date: <b>3/9/2022</b>	Analysis Date: <b>3/11/2022</b>	SeqNo: <b>3049016</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	29	5.0	25.00	0	118	78.6	131			
Surr: BFB	2300		1000		231	70	130			S

Sample ID: <b>mb-66062</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>66062</b>	RunNo: <b>86409</b>								
Prep Date: <b>3/9/2022</b>	Analysis Date: <b>3/11/2022</b>	SeqNo: <b>3049017</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		101	70	130			

Sample ID: <b>mb-66061</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>66061</b>	RunNo: <b>86431</b>								
Prep Date: <b>3/9/2022</b>	Analysis Date: <b>3/12/2022</b>	SeqNo: <b>3049200</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		107	70	130			

Sample ID: <b>ics-66061</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>66061</b>	RunNo: <b>86431</b>								
Prep Date: <b>3/9/2022</b>	Analysis Date: <b>3/12/2022</b>	SeqNo: <b>3049201</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	98.3	78.6	131			
Surr: BFB	2100		1000		214	70	130			S

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E 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#: 2203498

23-Mar-22

**Client:** EOG  
**Project:** Mallard HM Fee Battery

Sample ID: <b>lcs-66062</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>66062</b>	RunNo: <b>86409</b>								
Prep Date: <b>3/9/2022</b>	Analysis Date: <b>3/11/2022</b>	SeqNo: <b>3049056</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.025	1.000	0	92.4	80	120			
Toluene	0.95	0.050	1.000	0	95.0	80	120			
Ethylbenzene	0.96	0.050	1.000	0	96.3	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.1	80	120			
Surr: 4-Bromofluorobenzene	0.89		1.000		89.2	70	130			

Sample ID: <b>mb-66062</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>66062</b>	RunNo: <b>86409</b>								
Prep Date: <b>3/9/2022</b>	Analysis Date: <b>3/11/2022</b>	SeqNo: <b>3049057</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.89		1.000		89.0	70	130			

Sample ID: <b>mb-66061</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>66061</b>	RunNo: <b>86431</b>								
Prep Date: <b>3/9/2022</b>	Analysis Date: <b>3/12/2022</b>	SeqNo: <b>3049285</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.97		1.000		97.2	70	130			

Sample ID: <b>LCS-66061</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>66061</b>	RunNo: <b>86431</b>								
Prep Date: <b>3/9/2022</b>	Analysis Date: <b>3/12/2022</b>	SeqNo: <b>3049286</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.87	0.025	1.000	0	87.4	80	120			
Toluene	0.94	0.050	1.000	0	93.6	80	120			
Ethylbenzene	0.95	0.050	1.000	0	94.7	80	120			
Xylenes, Total	2.8	0.10	3.000	0	94.4	80	120			
Surr: 4-Bromofluorobenzene	0.98		1.000		97.8	70	130			

**Qualifiers:**

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

Work Order Number: 2203498

RcptNo: 1

Received By: Sean Livingston 3/9/2022 8:00:00 AM

Completed By: Sean Livingston 3/9/2022 8:34:24 AM

Reviewed By: *cu* 3/9/22

*Sean Livingston*

*Sean Livingston*

### Chain of Custody

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

### Log In

- 3. Was an attempt made to cool the samples? Yes  No  NA
- 4. Were all samples received at a temperature of >0° 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? Yes  No   
(Note discrepancies on chain of custody)
- 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? Yes  No   
(If no, notify customer for authorization.)

# of preserved bottles checked for pH:

(<2 or >12 unless noted)

Adjusted? \_\_\_\_\_

Checked by: *JN 3/9/22*

### 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	0.5	Good				
2	2.9	Good				

# Chain-of-Custody Record

Client: EOG

Mailing Address: on file

Phone #: \_\_\_\_\_  
email or Fax#: \_\_\_\_\_

QA/QC Package:  
 Standard  Level 4 (Full Validation)  
 Accreditation:  Az Compliance  
 NELAC  Other  
 EDD (Type) \_\_\_\_\_

Turn-Around Time:  
 Standard  Rush 5 Day  
 Project Name: Millard HM Fee Battery  
 Project #: 22E-00123-08

Project Manager:  
Monica Peppin  
 Sampler: Sally Carthar  
 On Ice:  Yes  No  
 # of Coolers: 2  
 Cooler Temp (including CF): 0.5 ± 0.5 (°C)  
2.9 ± 0.2, 9.0  
2203 499

Date	Time	Matrix	Sample Name	Depth	Container Type and #	Preservative Type	HEAL No.
3/4	10:00	Soil	BH22-26	4'	4oz jar	Ice	001
	10:10		BH22-27	4'			002
	10:20		BH22-28	4'			003
	10:30		BH22-29	4'			004
	10:40		BH22-30	4'			005
	10:50		BH22-31	4'			006
	11:00		BH22-32	4'			007
	11:10		BH22-33	4'			008
	11:20		BH22-34	4'			009
	11:30		BH22-35	4'			010
	11:40		BH22-36	4'			011
	10:15		BH22-37	4'			012

Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Relinquished by: Monica Date: 3/16/22  
 Relinquished by: See cover Date: 3/9/22 8:00



**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

## Analysis Request

<input checked="" type="checkbox"/> BTEX / MTBE / TMB's (8021)	
<input checked="" type="checkbox"/> TPH:8015D(GRO / DRO / MRO)	
8081 Pesticides/8082 PCB's	
EDB (Method 504.1)	
PAHs by 8310 or 8270SIMS	
RCRA 8 Metals	
<input checked="" type="checkbox"/> Cl, F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub>	
8260 (VOA)	
8270 (Semi-VOA)	
Total Coliform (Present/Absent)	

Remarks: direct bill EOG



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

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

CONDITIONS

Action 104057

**CONDITIONS**

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 104057
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
bbillings	1000 square foot request for confirmation sampling is DENIED, however, in those areas indicated a 500 square foot range for confirmation sampling is approved.	5/16/2022