



EOG Resources, Inc.
Artesia Division Office
104 S. 4th 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.

Incident ID	nMLB1212853714
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Facility ID	
Application ID	

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? Volume released was greater than 25 bbls.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Yes, Mike Bratcher	

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 & 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>
<u>OCD Only</u> Received by: _____ Date: _____	

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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 not 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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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: _____

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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

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

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.

Table 1. Closure Criteria for Soils to Remediation & Reclamation Standards		
	Constituent	Limit
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).

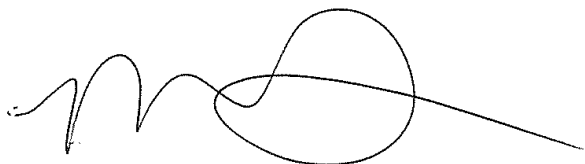
A GeoExplorer 7000 series Trimble global positioning system (GPS) unit, or equivalent, was used to map the approximate center of each of the five-point composite samples for the excavation characterization. The sample locations and excavation extents are presented in Figure 2 (Attachment 2).

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

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.



Monica Peppin

SR. ENVIRONMENTAL TECHNICIAN, REPORTING

04/06/2022

Date



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

Closure Criteria Worksheet			
Site Name: Mallard HM Fee Battery			
Spill Coordinates:		X: 32.71646	Y: -104.38778
Site Specific Conditions		Value	Unit
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, or	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	
NMAC 19.15.29.12 E (Table 1) Closure Criteria		>100'	<50' 51-100' >100'

Mallard HM #002

0.5 mile radius

Legend

Feature 1



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:


Groundwater

Geographic Area:

United States

GO

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- 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

Groundwater: Field measurements

GO

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

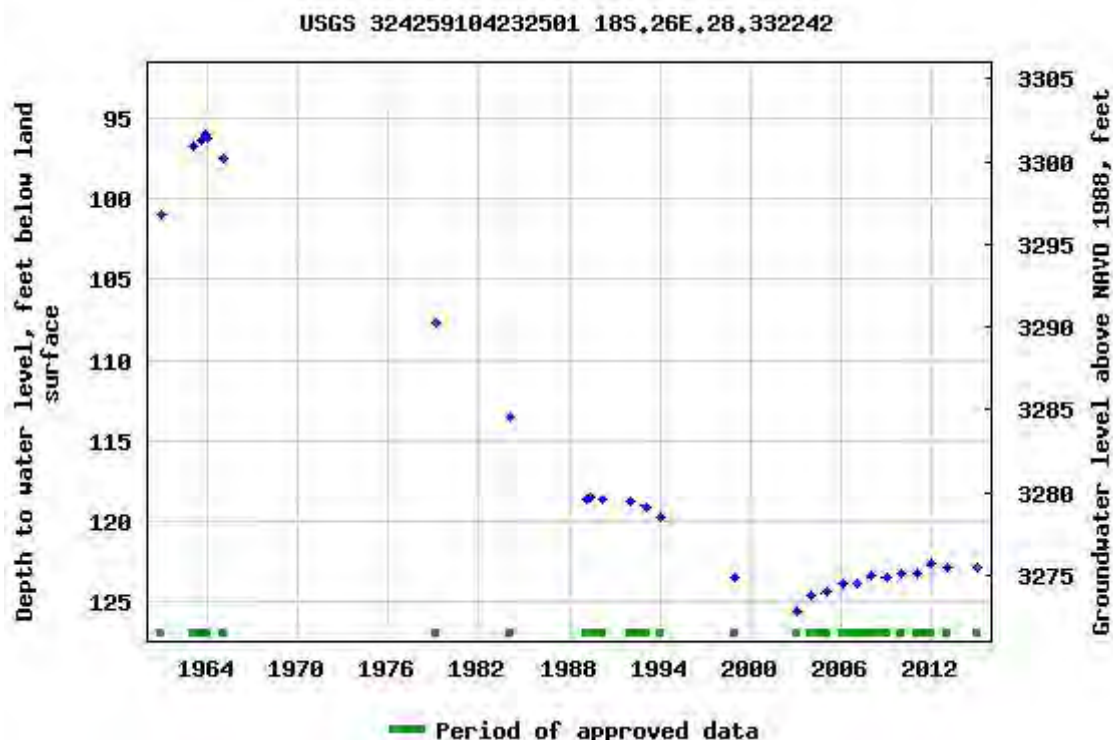
The depth of the well is 170 feet below land surface.

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

Table of data
Tab-separated data
Graph of data
Reselect period



Breaks in the plot represent a gap of at least one year between field measurements.

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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

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

 Mallard HM #002



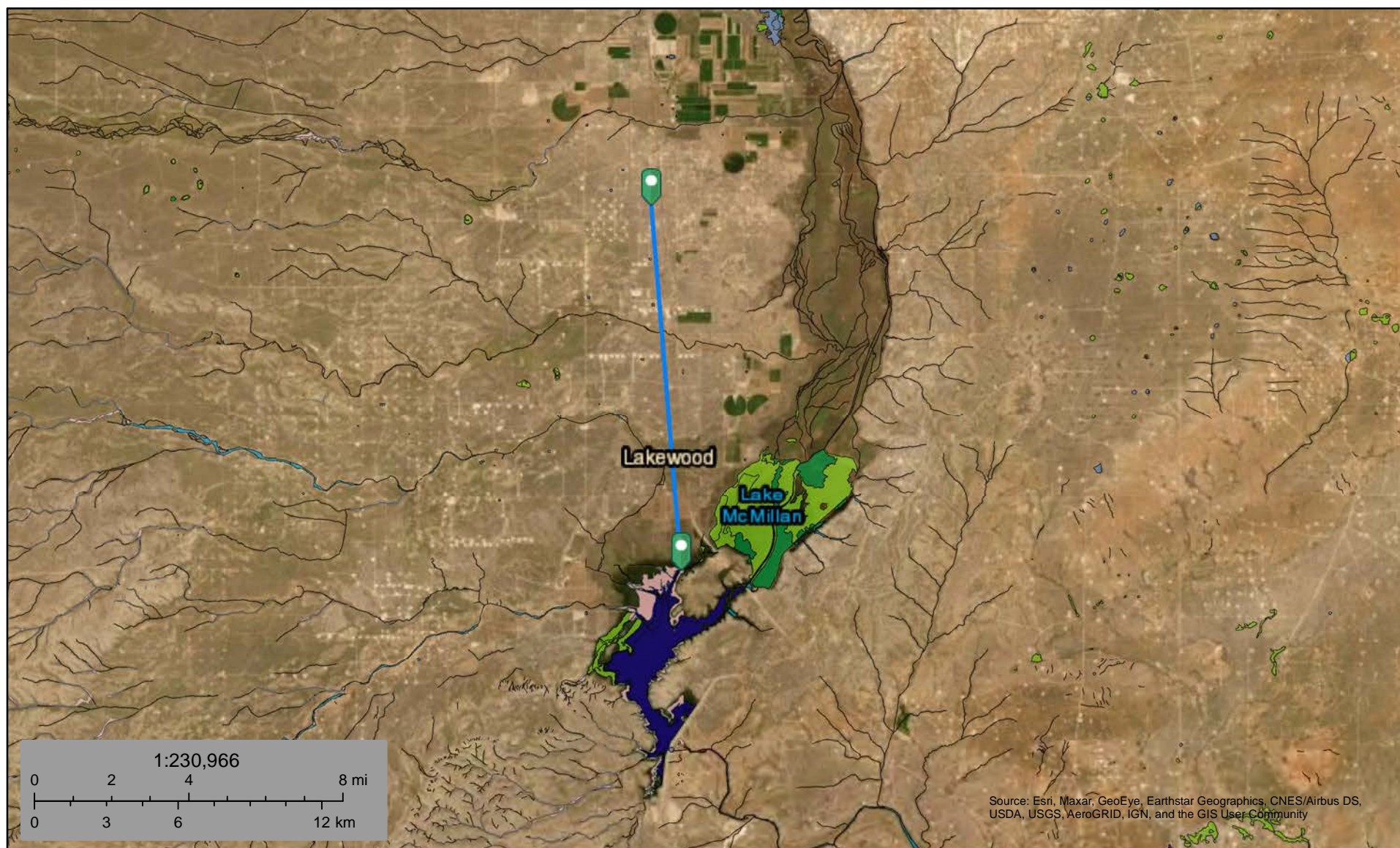
Dayton

 Mallard HM #002

Pecos River



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

Nearest Residence: 0.53 miles (2,783 feet)

 Feature 1

Mallard HM #002 



38

E Kincaid Ranch




1000 ft

Mallard HM #002

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

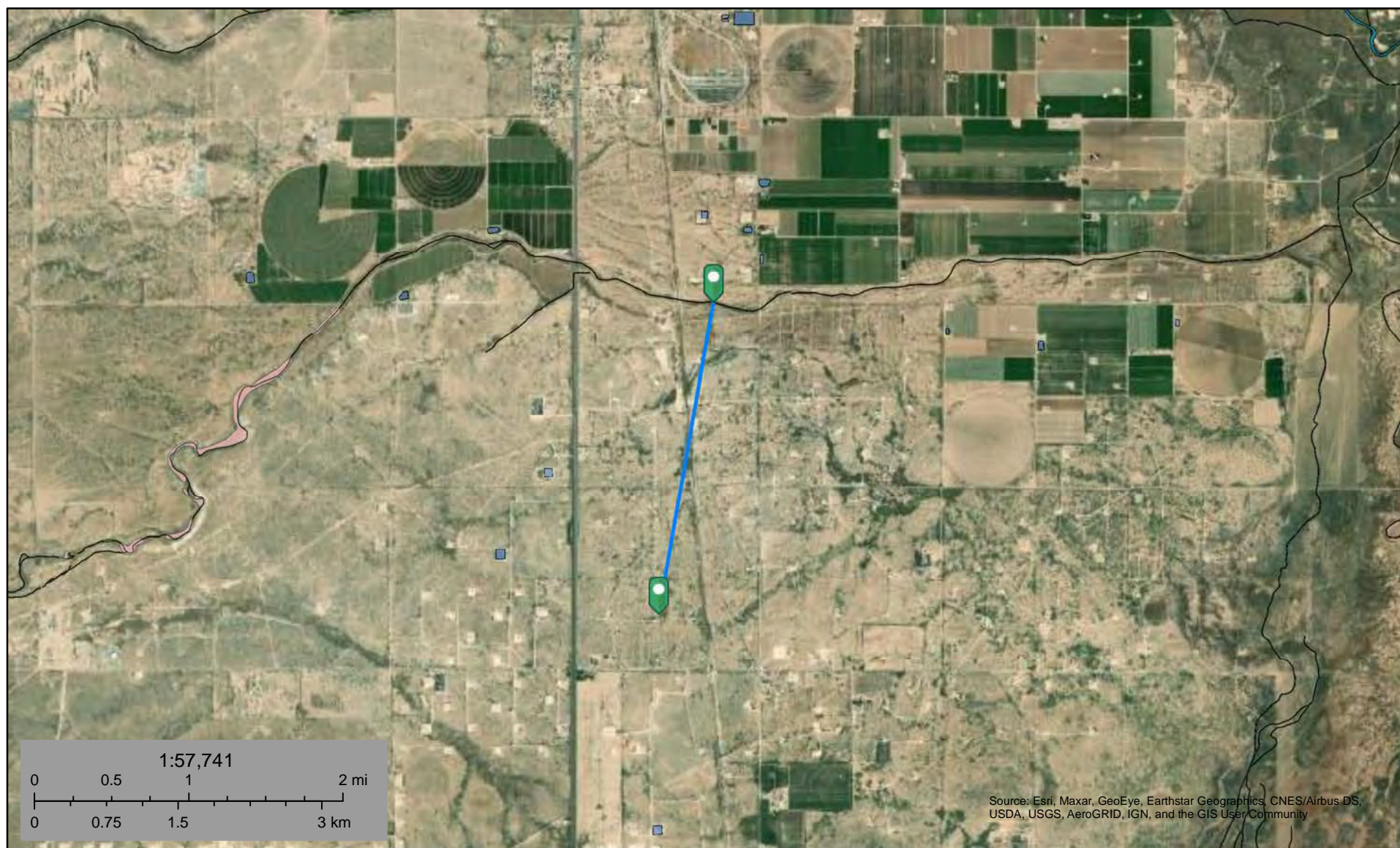
Legend

 Feature 1





Mallard HM #002



September 14, 2021

Wetlands

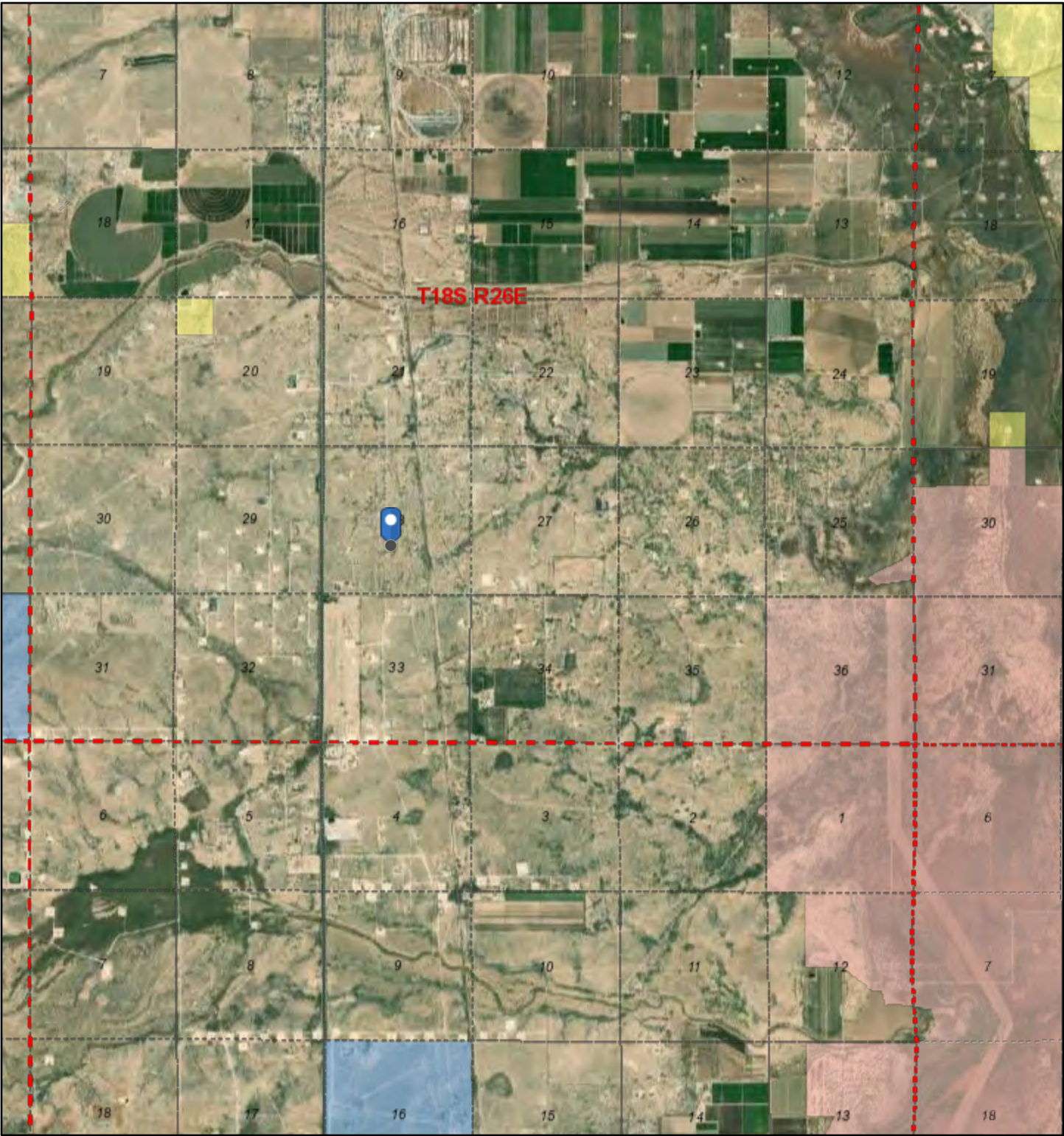
- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine

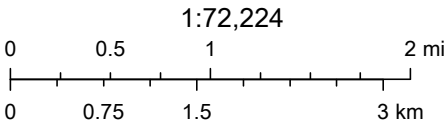
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

Mallard HM #002



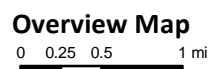
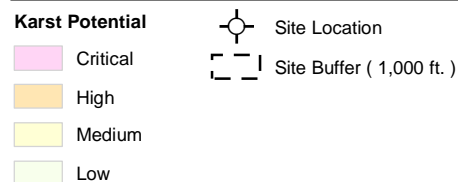
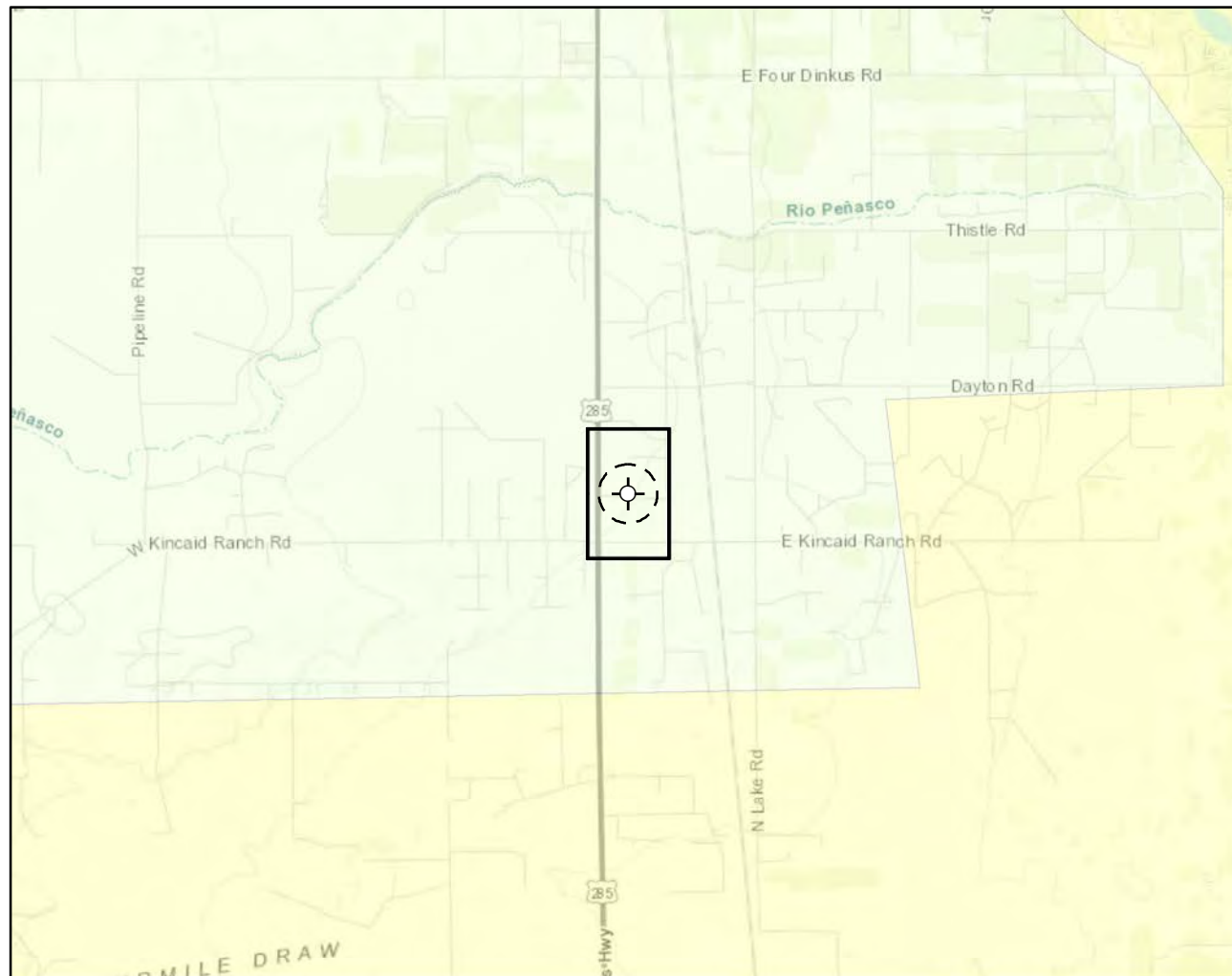
9/14/2021, 1:27:39 PM

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



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

Document Path: G:\Projects\US PROJECTS\SEOG Resources Inc\21 E-03278008 - Mallard HM\Fig X Karst Potential Mallard HM #002.mxd



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.

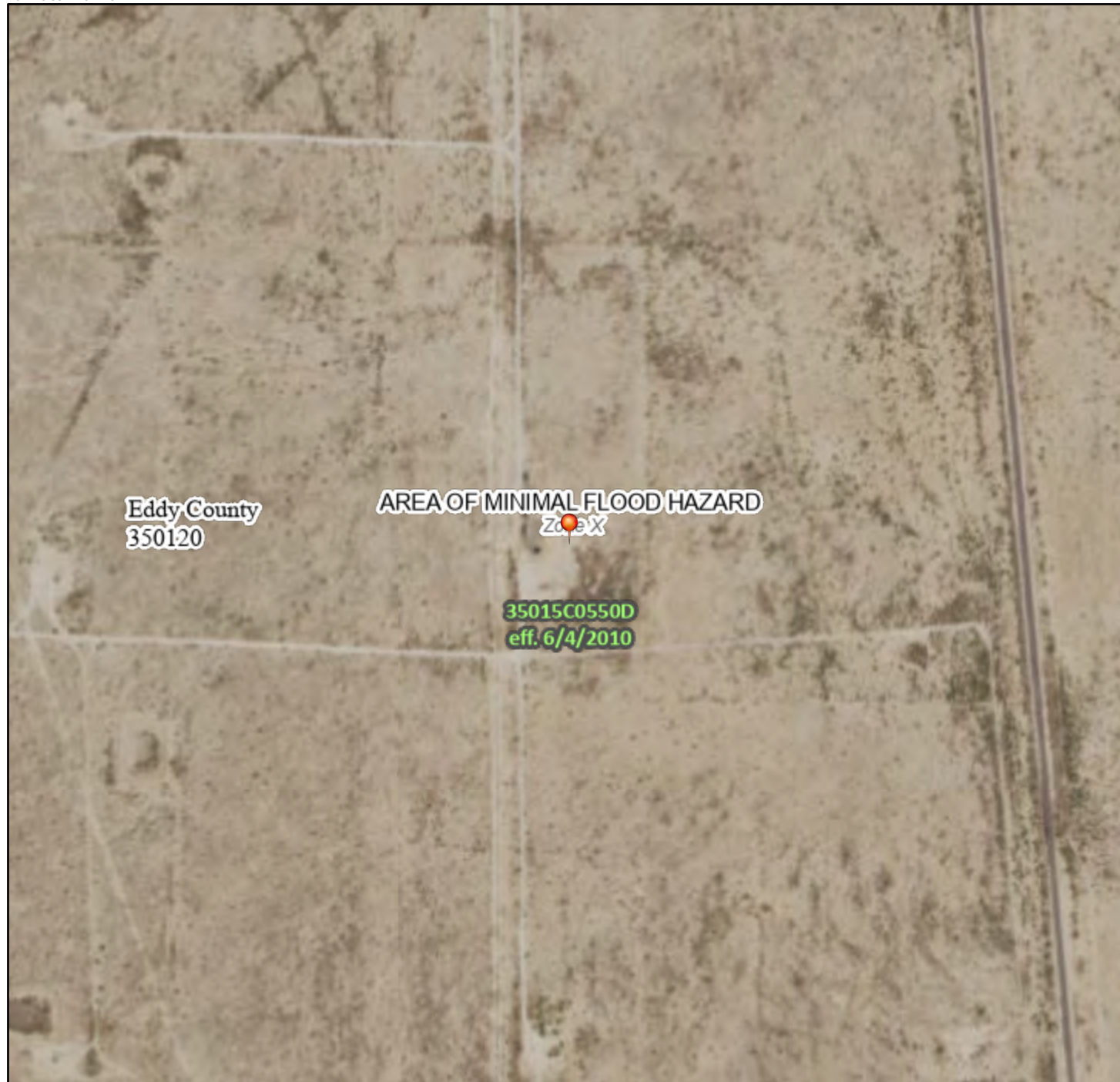
Note: Inset Map, ESRI 20XX; Overview Map: ESRI World Topographic

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

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



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

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

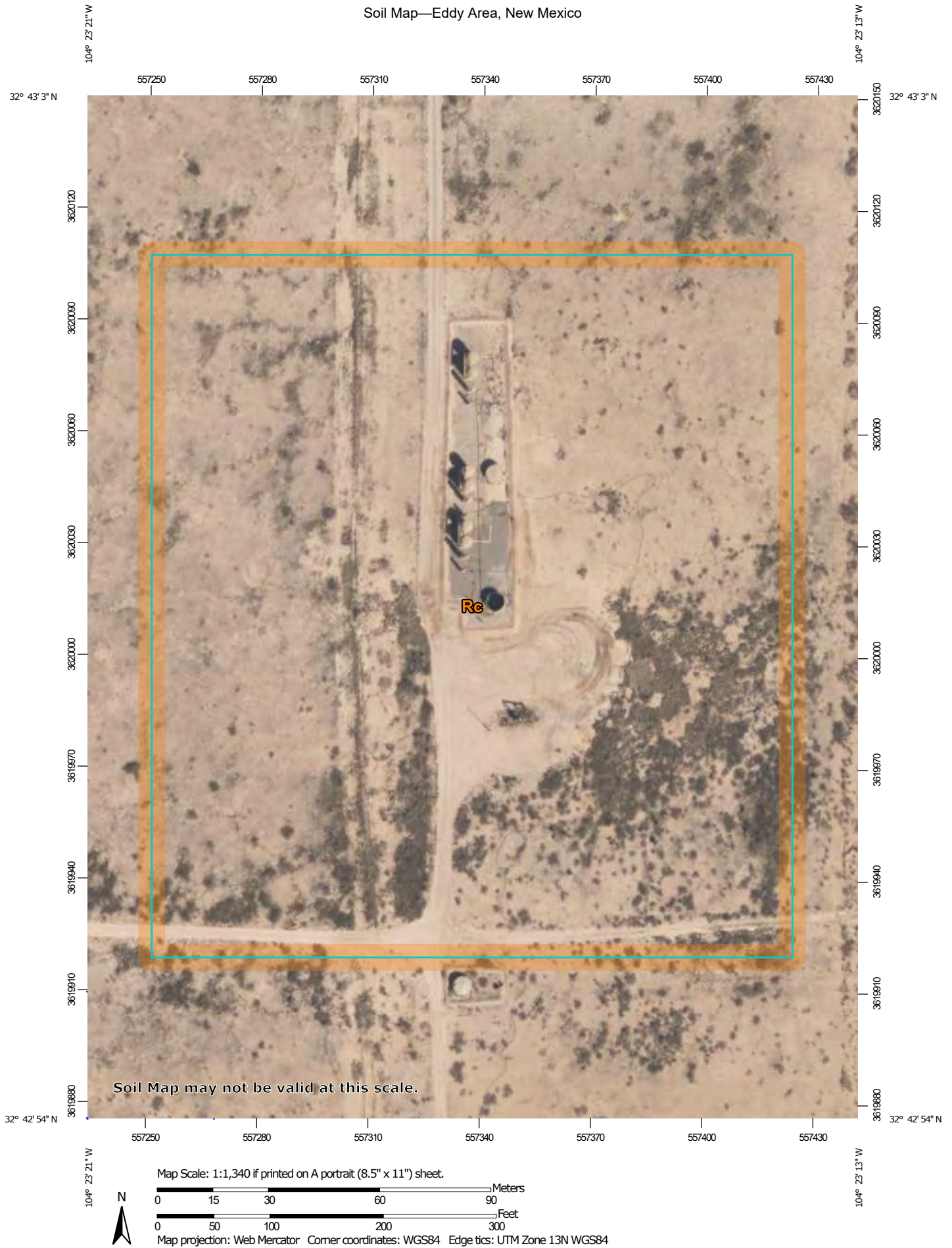
The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/14/2021 at 3:08 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by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

Released to Imaging: 5/16/2022 3:01:13 PM

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

Soil Map—Eddy Area, New Mexico



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%
Totals for Area of Interest		8.1	100.0%

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

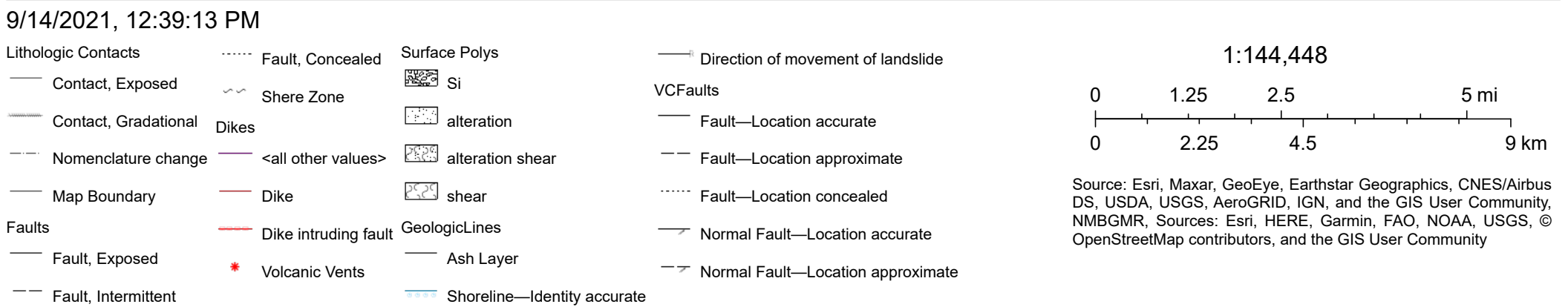
No

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.

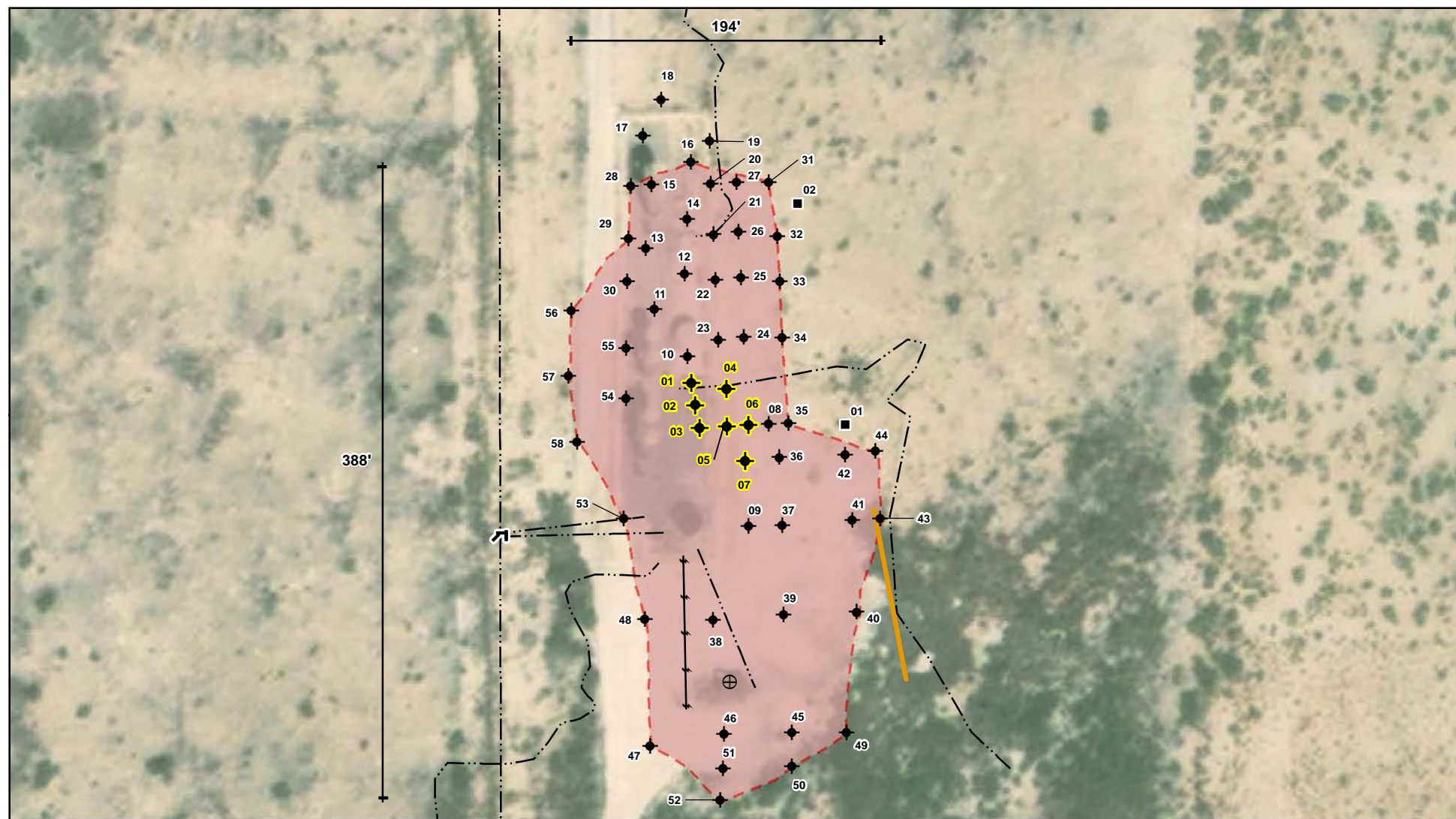
1. Number and extent of rills	There should not be any rills. After wildfires, or abnormally high human or herbivore impacts or extended drought or combinations of these disturbances rills may double in number on steeper slopes at the margins of this site after high-intensity summer thunderstorms. Any rills formed should not be long lived or interconnected and should heal rapidly.
2. Presence of water flow patterns:	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.
3. Number and height of erosional pedestals or terracettes:	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.
4. Bare ground from Ecological Site Description or other studies (rock, litter, lichen, moss, plant canopy are not bare ground) : Bare ground can make up to 50% of the ground cover on this site according to the ESD. Bare patch size should be small.	
5. Number of gullies and erosion associated with gullies: 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.	
6. Extent of wind scoured, blowouts and/or depositional area 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.	
7. Amount of litter movement (describe size and distance expected to travel) : 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.	
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) : 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	
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) : 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)	
10. Effect of plant community composition (relative proportion of different functional groups) & spatial distribution on infiltration & runoff: 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.	

11. Presence and thickness of compaction layer (usually none; describe soil profile features which may be mistaken for compaction):
<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>
12. Functional/Structural Groups (list in order of descending dominance by above-ground weight using symbols: indicate much greater than (>>) , greater than (>) , and equal to (=) :
<p>black grama >> tobosa > C 4 bunch grasses (dropseeds) > C4 midgrasses (threeawns) >= soaptree yucca, ephedra, fourwing saltbush >= forbs (croton, desert marigold, globemallow, > broom snakeweed, prickly pear, = other forbs.</p>
13. Amount of plant mortality and decadence (include which functional groups are expected to show mortality or decadence) :
<p>Black grama and bunchgrasses can show decadence in centers of plants.</p>
14. Average percent litter cover (_____ %) and depth (_____ inches).
<p>Average 15% cover and 0.75 inch deep. (As per ESD)</p>
15. Expected annual production (this is <u>TOTAL</u> above-ground production, not just forage production):
<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>
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
<p>Tarbrush, 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 tarbrush 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 tarbrush 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>
17. Perennial plant reproductive capability :
<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>



ATTACHMENT 2

Document Path: G:\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-") | Dry Hole Marker | Corroded pipe | Approximate Spill Extent (43,648 sq. ft.) |
| 2022 Borehole (Prefixed by "BH22-") | Pipeline riser | Electrical line | |
| Background Sample | Flowline | | |



0 15 30 60 90 ft
 Map Center:
 Lat/Long: 32.716581, -104.388005

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



Characterization Schematic Mallard HM Fee Battery

FIGURE:

1

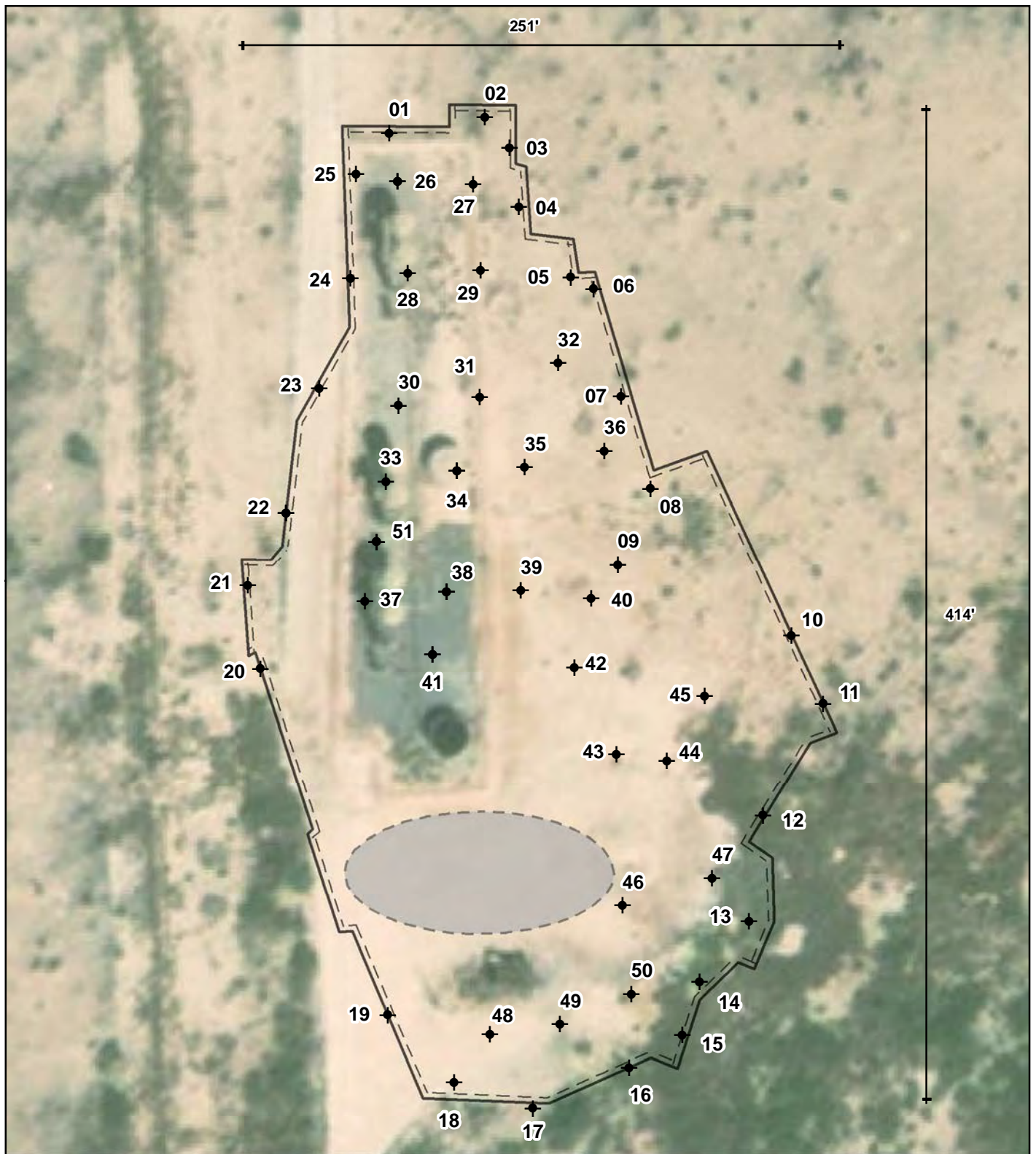


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Note: Imagery from ESRI, 2020. Borehole locations from GPS, Vertex Professional Services, Ltd., 2021.

VERSATILITY. EXPERTISE.

Document Path: G:\1-Projects\US PROJECTS\NEOG 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 (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

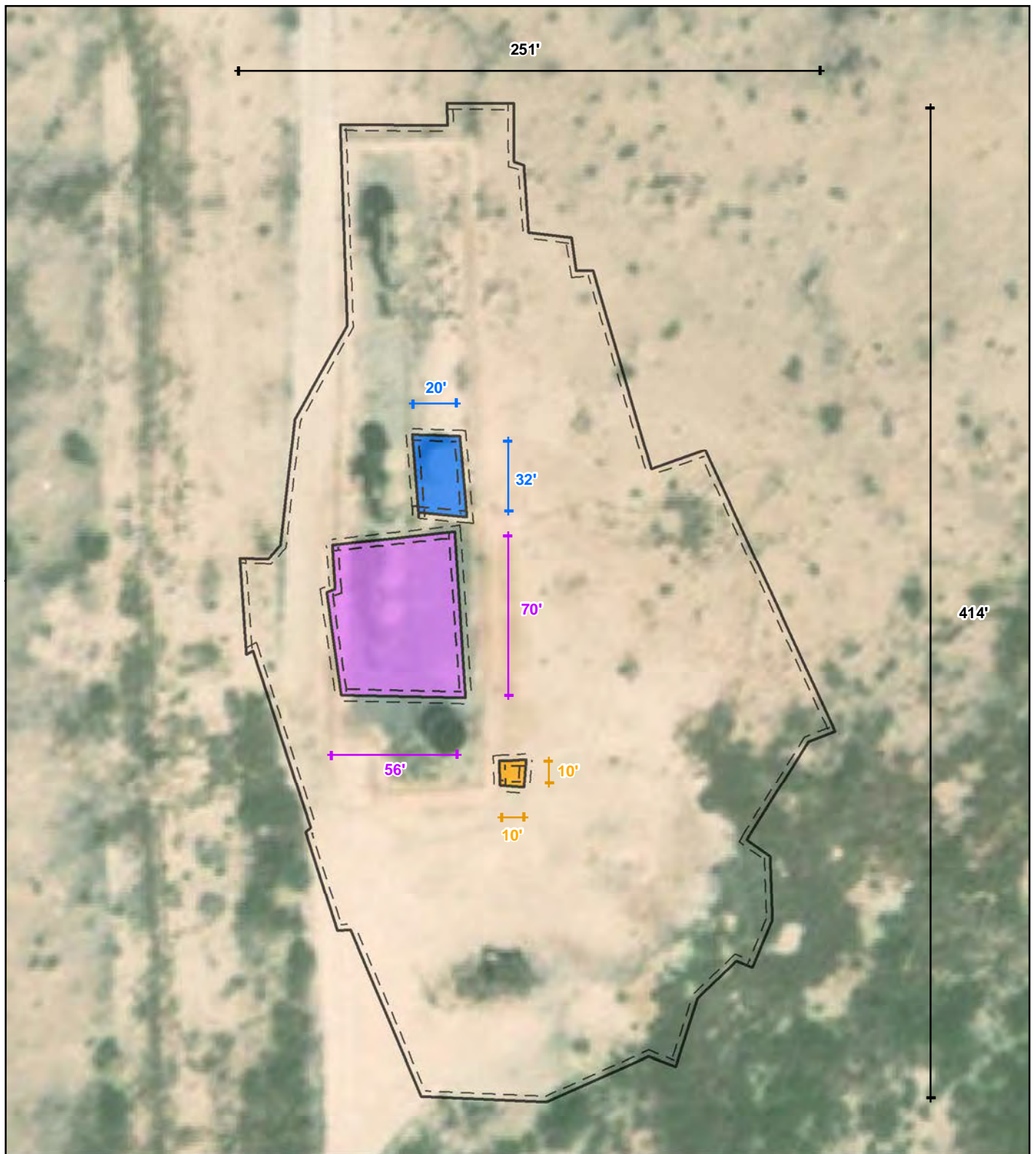
FIGURE:
2



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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-")
 [Blue Box] Excavation (59,504 sq. ft @ 4' Depth)
 [Purple Box] Excavation (118 sq. ft. @ 8' Depth)
 [Orange Box] Excavation (663 sq. ft. @ 10' Depth)
 [Pink Box] Excavation (3,479 sq. ft. @ 16' Depth)



0 10 20 40 ft.

Map Center:
Lat: 32.716579,
Long: -104.388002
NAD 1983 UTM Zone 13N
Date: Mar 30/22



Additional Excavation Schematic Mallard HM Fee Battery

FIGURE:

3



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.

VERSATILITY. EXPERTISE.

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				
						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
 NMOC 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				
						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				
						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:	EOG Resources Inc.	Inspection Date:	9/29/2021
Site Location Name:	Mallard HM Fee Battery	Report Run Date:	9/29/2021 9:28 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	9/29/2021 11:55 AM
Departed Site	9/29/2021 12:28 PM

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



Containment area where release occurred

Viewing Direction: Northeast



Containment area

Viewing Direction: East



South side of containment

Viewing Direction: North



West side



Daily Site Visit Report

Viewing Direction: West



South end

Viewing Direction: Southwest



Behind tanks

Viewing Direction: South



East area

Viewing Direction: North



East area



Daily Site Visit Report

Viewing Direction: Northwest



East side

Viewing Direction: North



Outside containment on the east

Viewing Direction: North



West side of containment

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. Below the line, the word 'Signature' is printed in a small font.

Signature



Daily Site Visit Report

Client:	EOG Resources Inc.	Inspection Date:	10/4/2021
Site Location Name:	Mallard HM Fee Battery	Report Run Date:	10/5/2021 2:47 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	10/4/2021 8:30 AM
Departed Site	10/4/2021 4:00 PM

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



BH21-01

Viewing Direction: East



BH21-02

Viewing Direction: Northwest



BH21-03



Viewing Direction: North



Area of BH4-BH7



Daily Site Visit Report

Viewing Direction: West	Viewing Direction: Northeast
 <p>Area sampled</p>	 <p>BG21-01</p>

Daily Site Visit Report



Daily Site Visit Signature

Inspector: Monica Peppin

Signature:



Daily Site Visit Report

Client:	EOG Resources Inc.	Inspection Date:	10/5/2021
Site Location Name:	Mallard HM Fee Battery	Report Run Date:	10/7/2021 1:22 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 10/5/2021 9:30 AM

Departed Site 10/5/2021 4:00 PM

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



Spill area

Viewing Direction: North



Spill area east side of tank battery

Viewing Direction: South



Spill area east side of tank battery

Viewing Direction: South



Inside tank battery. Green color is weed spray.



Daily Site Visit Report

Viewing Direction: North



Inside tank battery

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:	EOG Resources Inc.	Inspection Date:	10/6/2021
Site Location Name:	Mallard HM Fee Battery	Report Run Date:	10/7/2021 1:24 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 10/6/2021 8:15 AM

Departed Site 10/6/2021 6:00 PM

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



BH21-03 within containment

Viewing Direction: North



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

Viewing Direction: South



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

Viewing Direction: North



Supposed spill area east of tank battery



Daily Site Visit Report

Viewing Direction: North



Tank battery and earth berm

Viewing Direction: North



Tank battery and earth berm

Daily Site Visit Report



Daily Site Visit Signature

Inspector: Austin Harris

Signature:

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

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

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

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

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

Sample Point Data

(Logged by: Dhugal Hanton)

Sample Point ID	BG21-01
Sample Point Lat	
Sample Point Long	

Well Top Elevation	
Total Depth	
Depth to Water	

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

Top (ft)

0

BG21-01 HZN-	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

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

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

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

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

Sample Point Data

(Logged by: Dhugal Hanton)

Sample Point ID	BH21-03
Sample Point Lat	
Sample Point Long	

Well Top Elevation	
Total Depth	
Depth to Water	

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

Top (ft)

0

BH21-03 HZN-	BH21-03 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	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
	BH21-03 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)	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
	BH21-03 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	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
	BH21-03 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: Top 3 ft too oily to have chloride reading												340		0	
													PPM	PPM	μS/cm	PPM
	BH21-03 4.0' [Logged by: Dhugal Hanton on 10/6/2021]															

BH21-03 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
	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
	BH21-03 5.0' [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
	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
	BH21-03 6.0' [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
	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
	BH21-03 7.0' [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
	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-	NOTES:											21	50	1555		
												PPM	PPM	µS/cm	PPM	
	BH21-03 12.0' [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
	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	
	BH21-03 13.0' [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
	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

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

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

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

Sample Point Data

(Logged by: Dhugal Hanton)

Sample Point ID	BH21-04
Sample Point Lat	
Sample Point Long	

Well Top Elevation	
Total Depth	
Depth to Water	

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

Top (ft)

0

BH21-04 HZN-	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 HZN-	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 HZN-	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
	BH21-04 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	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
	BH21-04 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	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
	BH21-04 12.0' [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
	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

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Soil Sampling Project Data

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

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

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

Sample Point Data

(Logged by: Dhugal Hanton)

Sample Point ID	BH21-05
Sample Point Lat	
Sample Point Long	

Well Top Elevation	
Total Depth	
Depth to Water	

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

Top (ft)

0

BH21-05 HZN-	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
	BH21-05 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	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
	BH21-05 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	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
	BH21-05 12.0' [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
	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

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Soil Sampling Project Data

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

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

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

Sample Point Data

(Logged by: Dhugal Hanton)

Sample Point ID	BH21-06
Sample Point Lat	
Sample Point Long	

Well Top Elevation	
Total Depth	
Depth to Water	

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

Top (ft)

0

BH21-06 HZN-	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

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Soil Sampling Project Data

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

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

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

Sample Point Data

(Logged by: Dhugal Hanton)

Sample Point ID	BH21-06
Sample Point Lat	
Sample Point Long	

Well Top Elevation	
Total Depth	
Depth to Water	

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

Top (ft)

0

BH21-06 HZN-	BH21-06 2.0' [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
	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

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

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

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

Sample Point Data

(Logged by: Dhugal Hanton)

Sample Point ID	BH21-07
Sample Point Lat	
Sample Point Long	

Well Top Elevation	
Total Depth	
Depth to Water	

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

Top (ft)

0

BH21-07 HZN-	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

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Soil Sampling Project Data

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

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

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

Sample Point Data

(Logged by: Dhugal Hanton)

Sample Point ID	BH21-08
Sample Point Lat	
Sample Point Long	

Well Top Elevation	
Total Depth	
Depth to Water	

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

Top (ft)

0

BH21-08 HZN-	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 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 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 4.0' [Logged by: Dhugal Hanton on 10/6/2021]															

BH21-08 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
	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
	BH21-08 5.0' [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
	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
	BH21-08 6.0' [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
	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
	BH21-08 7.0' [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
	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 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	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
	BH21-08 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	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
	BH21-08 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	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)																

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

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

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

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

Sample Point Data

(Logged by: Dhugal Hanton)

Sample Point ID	BH21-09
Sample Point Lat	
Sample Point Long	

Well Top Elevation	
Total Depth	
Depth to Water	

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

Top (ft)

0

BH21-09 HZN-	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-	NOTES:											40	44	9964		
												PPM	PPM	µS/cm	PPM	
	BH21-09 5.0' [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
	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	
	BH21-09 6.0' [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
	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	
	BH21-09 7.0' [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
	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	
	BH21-09 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		PID	PetroFlag	EC Probe	Silver Nitrate Titration

BH21-09 HZN-	NOTES:											30	220	3050		
												PPM	PPM	µS/cm	PPM	
	BH21-09 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:											20	9	2704		
												PPM	PPM	µS/cm	PPM	
	BH21-09 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:											1	40	5432		
												PPM	PPM	µS/cm	PPM	
	BH21-09 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
	NOTES:											0	43	3108		
												PPM	PPM	µS/cm	PPM	
	BH21-09 12.0' [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

BH21-09 HZN-	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
	BH21-09 13.0' [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
	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
Bot. (ft)																



Daily Site Visit Report

Client:	EOG Resources Inc.	Inspection Date:	10/27/2021
Site Location Name:	Mallard HM Fee Battery	Report Run Date:	10/28/2021 1:55 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	10/27/2021 8:00 AM
Departed Site	10/27/2021 11:24 AM

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



Elevated area

Viewing Direction: South



Flowline through em area

Viewing Direction: Southeast



Em area





Viewing Direction: Northeast



Em area







Daily Site Visit Report

<p>Viewing Direction: North</p>  <p>Descriptive Photo - 13 Viewing Direction: North Area: Em area Created: 10/27/2021 11:12:33 AM Latitude: 31.0001, Longitude: 104.887955</p>	<p>Viewing Direction: South</p>  <p>Descriptive Photo - 14 Viewing Direction: South Area: Em area Created: 10/27/2021 11:13:45 AM Latitude: 31.0001, Longitude: 104.887955</p>
Em area	Em area
<p>Viewing Direction: Southeast</p>  <p>Descriptive Photo - 15 Viewing Direction: Southeast Area: Em area Created: 10/27/2021 11:13:48 AM Latitude: 31.0001, Longitude: 104.887955</p>	<p>Viewing Direction: South</p>  <p>Descriptive Photo - 16 Viewing Direction: South Area: Em area Created: 10/27/2021 11:13:50 AM Latitude: 31.0001, Longitude: 104.887955</p>
Em area	Em area







Daily Site Visit Report

<p>Viewing Direction: Northeast</p>  <p> <small> Description Photo - 1 Viewing Direction: Northeast Desc: Elevated area Created: 10/27/2021 10:30:43 AM Lat: 32.716216 Long: 104.387725 </small> </p> <p>Elevated area</p>	<p>Viewing Direction: West</p>  <p> <small> Description Photo - 2 Viewing Direction: West Desc: Elevated area Created: 10/27/2021 10:30:43 AM Lat: 32.716216 Long: 104.387725 </small> </p> <p>Em area</p>
<p>Viewing Direction: Southwest</p>  <p> <small> Description Photo - 3 Viewing Direction: Southwest Desc: Elevated area Created: 10/27/2021 10:30:43 AM Lat: 32.716216 Long: 104.387725 </small> </p> <p>Em area</p>	<p>Viewing Direction: South</p>  <p> <small> Description Photo - 4 Viewing Direction: South Desc: Elevated area Created: 10/27/2021 10:30:43 AM Lat: 32.716216 Long: 104.387725 </small> </p> <p>Em area</p>



Daily Site Visit Report

<p>Viewing Direction: North</p>  <p>Descriptive Photo - 6 Viewing Direction: North Desc: Em area Created: 10/27/2021 10:57:40 AM Lat:32.716053, Long:-104.387893</p>	<p>Viewing Direction: East</p>  <p>Descriptive Photo - 7 Viewing Direction: East Desc: Em area Created: 10/27/2021 10:58:01 AM Lat:32.716049, Long:-104.388134</p>
Em area	Em area
<p>Viewing Direction: North</p>  <p>Descriptive Photo - 8 Viewing Direction: North Desc: Em area Created: 10/27/2021 10:58:28 AM Lat:32.716067, Long:-104.388385</p>	<p>Viewing Direction: East</p>  <p>Descriptive Photo - 9 Viewing Direction: East Desc: Em area Created: 10/27/2021 10:58:44 AM Lat:32.716106, Long:-104.388543</p>
Em area	Em area

Daily Site Visit Report



Daily Site Visit Signature

Inspector: Monica Peppin

Signature:

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

Signature



Daily Site Visit Report

Client:	<u>EOG Resources Inc.</u>	Inspection Date:	<u>1/11/2022</u>
Site Location Name:	<u>Mallard HM Fee Battery</u>	Report Run Date:	<u>1/11/2022 10:00 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 1/11/2022 2:01 PM

Departed Site 1/11/2022 2:04 PM

Field Notes

14:01 Taking pictures of where tanks where and of staining

Next Steps & Recommendations

1

Daily Site Visit Report



Site Photos

Viewing Direction: East



Previous tank placement

Viewing Direction: East



Previous take placement

Viewing Direction: South



Staining from tanks

Viewing Direction: North



Staining from tanks



Daily Site Visit Report

Viewing Direction: South



Possible another area of concern due to staining

Daily Site Visit Report



Daily Site Visit Signature

Inspector: John Ramirez

Signature:

JR

Signature



Daily Site Visit Report

Client:	EOG Resources Inc.	Inspection Date:	1/24/2022
Site Location Name:	Mallard HM Fee Battery	Report Run Date:	1/24/2022 10:20 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	1/24/2022 8:10 AM
Departed Site	1/24/2022 2:00 PM

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 horizontal line. Below the line, the word 'Signature' is printed in a small font.

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 (I)	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:	EOG Resources Inc.	Inspection Date:	1/25/2022
Site Location Name:	Mallard HM Fee Battery	Report Run Date:	1/25/2022 11:26 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	1/25/2022 7:50 AM
Departed Site	1/25/2022 3:30 PM

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

Viewing Direction: Southeast



Sample area for BH22-20

Viewing Direction: Northeast



Sample area for BH22-21

Viewing Direction: Northeast



Sample area for BH22-22

Viewing Direction: West



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 over 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



Sample area for BH22-24

Viewing Direction: North



Sample area for BH22-25

Viewing Direction: North



Sample area for BH22-26

Viewing Direction: North



Sample area for BH22-27



Daily Site Visit Report

Viewing Direction: Northeast



Sample area for BH22-28

Viewing Direction: East



Sample area for BH22-29

Viewing Direction: Northeast



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:	EOG Resources Inc.	Inspection Date:	1/27/2022
Site Location Name:	Mallard HM Fee Battery	Report Run Date:	1/29/2022 5:00 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	1/27/2022 7:50 AM
Departed Site	1/27/2022 3:05 PM

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



Sample area for BH22-31

Viewing Direction: Southeast



Sample area for BH22-32

Viewing Direction: Southeast



Sample area for BH22-33

Viewing Direction: Northeast



Sample area for BH22-34



Daily Site Visit Report

Viewing Direction: Northeast



Sample area for BH22-35

Viewing Direction: Southeast



Sample area for BH22-36

Viewing Direction: Southeast



Sample area for BH22-37

Viewing Direction: West



Sample area for BH22-38



Daily Site Visit Report

Viewing Direction: West



Sample area for BH22-39 backfilled

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:	EOG Resources Inc.	Inspection Date:	1/31/2022
Site Location Name:	Mallard HM Fee Battery	Report Run Date:	1/31/2022 10:47 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	1/31/2022 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



Sample area for BH22-40

Viewing Direction: West



Sample area for BH22-41

Viewing Direction: West



Sample area for BH22-42

Viewing Direction: Northwest



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:	EOG Resources Inc.	Inspection Date:	2/1/2022
Site Location Name:	Mallard HM Fee Battery	Report Run Date:	2/1/2022 11:30 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	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



Sample area for BH22-45

Viewing Direction: Northwest



Sample area for BH22-46

Viewing Direction: Northwest



Sample area for BH22-47

Viewing Direction: North



Sample area for BH22-48



Daily Site Visit Report

Viewing Direction: Northeast



Sample area for BH22-49

Viewing Direction: West



Sample area for BH22-50

Viewing Direction: West



Sample area for BH22-52

Daily Site Visit Report



Daily Site Visit Signature

Inspector: Chance Dixon

Signature:

A handwritten signature in black ink, consisting of the letters 'C' and 'D' joined together.

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

Client:	EOG Resources Inc.	Inspection Date:	2/2/2022
Site Location Name:	Mallard HM Fee Battery	Report Run Date:	2/2/2022 9:24 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	2/2/2022 7:55 AM
Departed Site	2/2/2022 1:30 PM

Field Notes

8:18 On site to continue delineation.

8:21 Beginning BH22-52 through BH22-54 along west edge of the berm.

8:35 Poly line was discovered at BH22-53 at approximately 3'. Appears to run SE-NW. it is marked as a water line. We are marking it.

8:54 BH22-30 is being stepped out to BH22-56 across the road to the west.

11:45 BH22-53 through BH22-55 are dirty at various depths on titration and PetroFlag. They clean up at 9'.

11:45 BH22-56 is clean on all field screening at 0', 3', and 6'

12:13 Digging BH22-57 and BH22-58 on the west edge of the road to complete delineation. Clean on all field screening at 0', 3', and 6'

Next Steps & Recommendations

1 No recommendations at this time.



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 8:11:52 AM
Lat:32.716466, Long:-104.588228

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 8:20:11 AM
Lat:32.716466, Long:-104.588228

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 8:26:15 AM
Lat:32.716466, Long:-104.588228

Sample area for BH22-54

Viewing Direction: Northwest



Descriptive Photo - 4
Viewing Direction: Northwest
Desc: Sample area for BH22-55
Created: 2/2/2022 8:26:15 AM
Lat:32.716466, Long:-104.588211

Sample area for BH22-55



Daily Site Visit Report

Viewing Direction: Southwest



Sample area for BH22-56

Viewing Direction: Northeast



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 'C' and 'D' joined together.

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

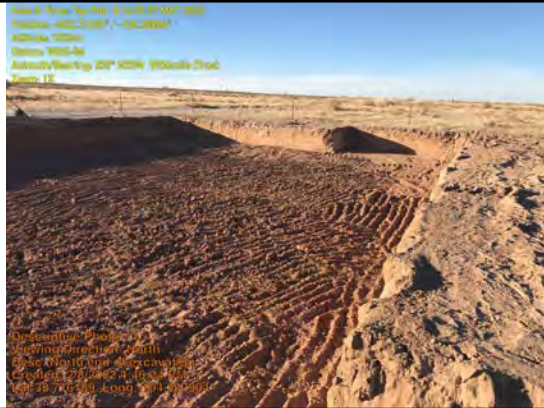
1 Continue excavation

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

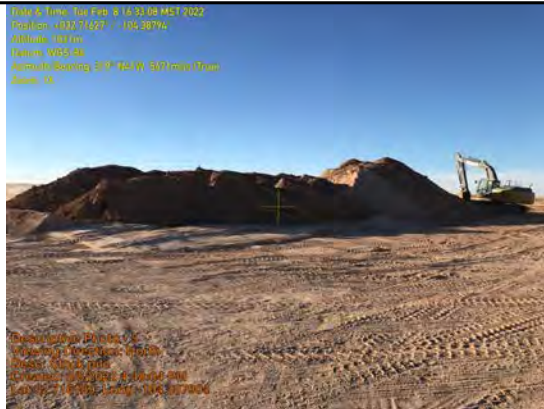


South end of excavation towards stock pile



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' with a large loop and a horizontal stroke extending to the right.

Signature



Daily Site Visit Report

Client:	EOG Resources Inc.	Inspection Date:	2/7/2022
Site Location Name:	Mallard HM Fee Battery	Report Run Date:	2/7/2022 10:40 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	2/7/2022 8:30 AM
Departed Site	2/7/2022 4:00 PM

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



North wall area

Viewing Direction: South



Excavation

Viewing Direction: West



Excavation area



Viewing Direction: Southwest



Excavation area



Daily Site Visit Report

Viewing Direction: East	Viewing Direction: South
 <p>Descriptive Photo - 5 Viewing Direction: East Data: Excavation Created: 5/7/2022 3:04:00 PM Photo: 7771311, Lat: 104.988178</p>	 <p>Descriptive Photo - 5 Viewing Direction: South Data: Excavation Created: 5/7/2022 3:04:00 PM Photo: 7771311, Lat: 104.988178</p>
Excavation	Excavation

Daily Site Visit Report



Daily Site Visit Signature

Inspector: Monica Peppin

Signature:

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

Signature



Daily Site Visit Report

Client:	EOG Resources Inc.	Inspection Date:	2/9/2022
Site Location Name:	Mallard HM Fee Battery	Report Run Date:	2/9/2022 8:52 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	2/9/2022 8:00 AM
Departed Site	2/9/2022 3:30 PM

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



Excavation area

Viewing Direction: West



West wall area

Viewing Direction: West



Excavation area

Viewing Direction: South



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:


Signature

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:	EOG Resources Inc.	Inspection Date:	2/10/2022
Site Location Name:	Mallard HM Fee Battery	Report Run Date:	2/11/2022 12:13 AM
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	2/10/2022 8:15 AM
Departed Site	2/10/2022 4:15 PM

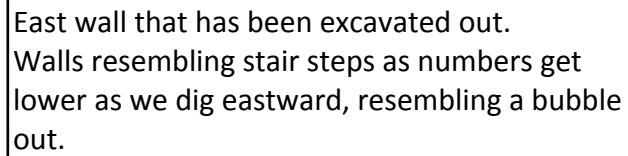
Field Notes

- 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

Viewing Direction: Northeast



East wall after excavation



Daily Site Visit Report

Viewing Direction: Southwest



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

Viewing Direction: Southwest



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

Viewing Direction: Southwest



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

Viewing Direction: North



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' 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: 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

Client:	<u>EOG Resources Inc.</u>	Inspection Date:	<u>2/11/2022</u>
Site Location Name:	<u>Mallard HM Fee Battery</u>	Report Run Date:	<u>2/11/2022 10:33 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>2/11/2022 7:30 AM</u>
Departed Site	<u>2/11/2022 2:30 PM</u>

Field Notes

- 14:21** Continued excavation on East wall with Monica Peppin on site.
Continued spot checking and running field screens for chlorides.
- 14:22** All samples taken came back dirty and were not run for TPH due to higher concentration of chloride.

Next Steps & Recommendations

- 1 Continue spot checking walls to determine horizontal impact as well as check base

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:	EOG Resources Inc.	Inspection Date:	2/12/2022
Site Location Name:	Mallard HM Fee Battery	Report Run Date:	2/12/2022 10:10 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	2/12/2022 9:00 AM
Departed Site	2/12/2022 1:30 PM

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

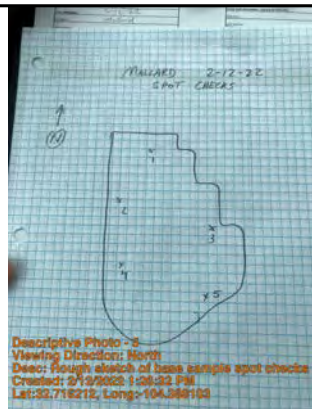


Excavated area as of 2-11-2022



Daily Site Visit Report

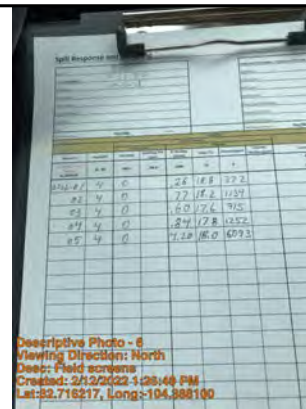
Viewing Direction: North



Descriptive Photo - 5
Viewing Direction: North
Desc: Rough sketch of base sample spot checks
Created: 2/12/2022 1:28:22 PM
Lat:32.718212, Long:-104.888100

Rough sketch of base sample spot checks

Viewing Direction: North



Descriptive Photo - 6
Viewing Direction: North
Desc: Field screens
Created: 2/12/2022 1:28:44 PM
Lat:32.718217, Long:-104.888100

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



Current excavation

Viewing Direction: Northeast



Current excavation

Viewing Direction: Northwest



Debris uncovered

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 horizontal line. The word 'Signature' is printed in small text below the line on the left.

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:	EOG Resources Inc.	Inspection Date:	2/15/2022
Site Location Name:	Mallard HM Fee Battery	Report Run Date:	2/15/2022 10:57 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	2/15/2022 9:30 AM
Departed Site	2/15/2022 2:15 PM

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



Discoloration in south wall, accompanied by strong odor

Viewing Direction: West



Very dusty

Viewing Direction: Southwest



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



Descriptive Photo #1
 Location: Highway 200, West of
 Reno, Nevada
 Date: 10/10/2014
 Time: 1:30 PM
 Photo #1 of 10

Descriptive Photo - 7
Viewing Direction: South
Date: Road and had much more investigation after water tank
Created: 2/16/2022 3:43:50 PM
Lat:32.715053, Long: -104.56611

Released to Imaging: 5/16/2022 3:01:13 PM

Daily Site Visit Report



Daily Site Visit Signature

Inspector: Sally Carttar

Signature:


Signature



Daily Site Visit Report

Client:	EOG Resources Inc.	Inspection Date:	2/17/2022
Site Location Name:	Mallard HM Fee Battery	Report Run Date:	2/17/2022 10:37 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 2/17/2022 7:15 AM

Departed Site 2/17/2022 3:45 PM

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



Discolored area growing

Viewing Direction: Southwest



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



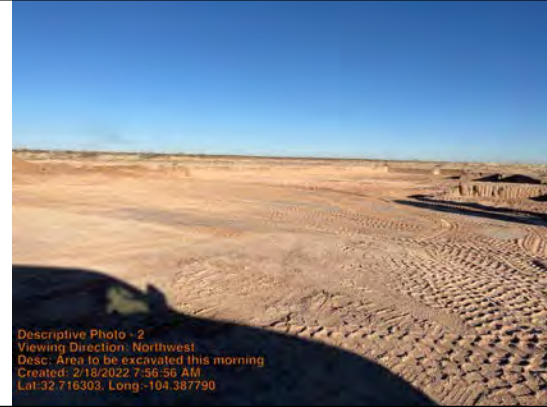
Site Photos

Viewing Direction: West



Pad and stockpile after the first round of trucks

Viewing Direction: Northwest



Area to be excavated this morning

Viewing Direction: South



New excavation

Daily Site Visit Report



Daily Site Visit Signature

Inspector: Sally Carttar

Signature:

Signature 



Daily Site Visit Report

Client:	EOG Resources Inc.	Inspection Date:	2/22/2022
Site Location Name:	Mallard HM Fee Battery	Report Run Date:	2/22/2022 11:46 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	2/22/2022 6:45 AM
Departed Site	2/22/2022 1:30 PM

Field Notes

7:51 Loading trucks

8:28 Requesting a water truck to spray pad and ROW

12:12 Mechanical problems with the trackhoe. Waiting on a mechanic out of Hobbs

Next Steps & Recommendations

- 1 Repair the trackhoe
- 2 Continue with excavation as directed this morning
- 3 Excavate south, East, West, and vertically to clean walls and base

Daily Site Visit Report



Site Photos

Viewing Direction: West



First round of trucks

Viewing Direction: Northeast



Current excavation

Daily Site Visit Report



Daily Site Visit Signature

Inspector: Sally Carttar

Signature:


Signature



Daily Site Visit Report

Client:	EOG Resources Inc.	Inspection Date:	2/25/2022
Site Location Name:	Mallard HM Fee Battery	Report Run Date:	2/28/2022 3:41 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 2/25/2022 8:00 AM

Departed Site 2/25/2022 3:00 PM

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



Water truck on site to spray pad area

Viewing Direction: East



Grey layer in the east wall

Viewing Direction: Northeast



Trench down east side of pad

Viewing Direction: Southeast



Stockpile and pad



Daily Site Visit Report

Viewing Direction: Southeast



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 to the left of the line.



Daily Site Visit Report

Client:	EOG Resources Inc.	Inspection Date:	2/28/2022
Site Location Name:	Mallard HM Fee Battery	Report Run Date:	2/28/2022 11:23 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	2/28/2022 8:00 AM
Departed Site	2/28/2022 3:30 PM

Field Notes

8:55 Excavating from east wall into pad, continuing to test one section of east wall

9:31 Larger trackhoe on site

10:00 Loading trucks

10:03 Servicing the new trackhoe

11:16 New trackhoe arrived broken, will continue using the smaller one until the mechanic is done working on the larger one

11:17 Pushing out one section of the east wall

11:54 Mechanic also working on the original trackhoe while he's here

12:26 Loading more trucks

Next Steps & Recommendations

1 Continue with excavation

Daily Site Visit Report



Site Photos

Viewing Direction: Southeast



Cables in east wall

Viewing Direction: East



Colors under the pad

Viewing Direction: Southeast



End of day

Viewing Direction: Southeast



Pad area excavation



Daily Site Visit Report

Viewing Direction: South



Pad, excavation, and pile

Viewing Direction: Northwest



Trackhoe still at center of excavation

Viewing Direction: Southwest



Excavation into pad

Viewing Direction: West



Pad and stockpile



Daily Site Visit Report

Viewing Direction: Southwest



Power lines

Viewing Direction: Southwest



Continuing south, new trackhoe in service

Viewing Direction: Northeast



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:	EOG Resources Inc.	Inspection Date:	3/1/2022
Site Location Name:	Mallard HM Fee Battery	Report Run Date:	3/1/2022 10:25 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	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



Tie-downs

Viewing Direction: East



Pad

Viewing Direction: Northeast



Wall and dry hole marker


Viewing Direction: North



Excavation on east side of pad



Daily Site Visit Report

<p>Viewing Direction: South</p>  <p><small>Descriptive Photo - 3 Viewing Direction: South Desc: Progress this morning Created: 5/1/2022 10:43:49 AM Lat:32.716296, Long:-104.387696</small></p> <p>Progress this morning</p>	<p>Viewing Direction: South</p>  <p><small>Descriptive Photo - 4 Viewing Direction: South Desc: Excavation into pad Created: 5/1/2022 10:44:11 AM Lat:32.716296, Long:-104.387696</small></p> <p>Excavation into pad</p>
<p>Viewing Direction: East</p>  <p><small>Descriptive Photo - 5 Viewing Direction: East Desc: Area of east wall that is not quite clean yet Created: 5/1/2022 11:44:00 AM Lat:32.716296, Long:-104.387696</small></p> <p>Area of east wall that's not quite clean yet</p>	<p>Viewing Direction: Southwest</p>  <p><small>Descriptive Photo - 6 Viewing Direction: Southwest Desc: Ramp, pad, and pile Created: 5/1/2022 11:45:00 AM Lat:32.716296, Long:-104.387696</small></p> <p>Ramp, pad, and pile</p>



Daily Site Visit Report

Viewing Direction: Northeast



Descriptive Photo - 1
Viewing Direction: Northeast
Event: Excavation north of pad
Created: 5/1/2022 3:05:01 PM
Lat:32.715611, Long:-104.588332

Excavation north of pad

Viewing Direction: East



Descriptive Photo - 1
Viewing Direction: East
Event: Excavation north of pad
Created: 5/1/2022 3:05:01 PM
Lat:32.715611, Long:-104.588332

Excavation north of pad

Viewing Direction: Southeast



Descriptive Photo - 8
Viewing Direction: Southeast
Event: Pad
Created: 5/1/2022 3:05:03 PM
Lat:32.715611, Long:-104.588332

Pad

Viewing Direction: South



Descriptive Photo - 9
Viewing Direction: South
Event: Pad and pile
Created: 5/1/2022 3:05:03 PM
Lat:32.715611, Long:-104.588332

Pad and pile

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 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:	EOG Resources Inc.	Inspection Date:	3/2/2022
Site Location Name:	Mallard HM Fee Battery	Report Run Date:	3/2/2022 10:47 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	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



Walls sloped

Viewing Direction: Northwest



Under pad

Viewing Direction: Southeast



Stockpiling dirt for the morning

Viewing Direction: Northwest



Excavation progressing much more quickly with two excavators



Daily Site Visit Report

Viewing Direction: West



Taking down the dirt around the dry hole marker

Viewing Direction: Southwest



South wall

Viewing Direction: Northeast



East wall


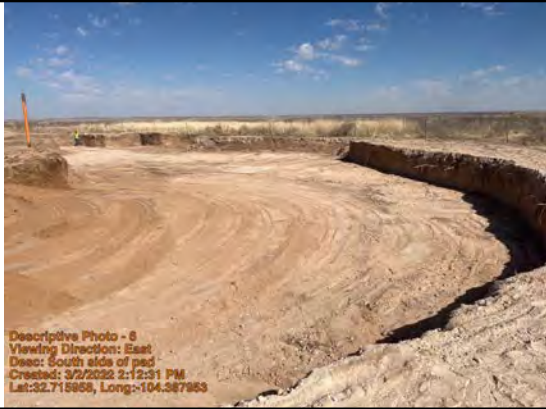


Viewing Direction: Southwest



Digging around the dry hole marker



Daily Site Visit Report

<p>Viewing Direction: Southeast</p>  <p>Descriptive Photo - 5 Viewing Direction: Southeast Desc: Working west into the pad Created: 3/2/2022 2:04:57 PM Lat:32.715956, Long:-104.587874</p>	<p>Viewing Direction: East</p>  <p>Descriptive Photo - 6 Viewing Direction: East Desc: South side of pad Created: 3/2/2022 2:12:31 PM Lat:32.715956, Long:-104.587863</p>
<p>Working west into the pad</p>	<p>South side of pad</p>
<p>Viewing Direction: Northwest</p>  <p>Descriptive Photo - 7 Viewing Direction: Northwest Desc: South side of pad Created: 3/2/2022 2:13:14 PM Lat:32.715956, Long:-104.587866</p>	<p>Viewing Direction: North</p>  <p>Descriptive Photo - 8 Viewing Direction: North Desc: East side of pad area Created: 3/2/2022 2:13:40 PM Lat:32.716007, Long:-104.587808</p>
<p>South side of pad</p>	<p>East side of pad area</p>



Daily Site Visit Report

Viewing Direction: West



South side of pad

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

<p>Viewing Direction: East</p>  <p>Descriptive Photo - 5 Viewing Direction: East Object: South side of pad Created: 5/3/2022 4:00:22 PM Lat:32.716124, Long:-104.589167</p>	<p>Viewing Direction: Northeast</p>  <p>Descriptive Photo - 6 Viewing Direction: Northeast Object: Pad excavation Created: 5/3/2022 4:01:01 PM Lat:32.716146, Long:-104.589144</p>
South side of pad	Pad excavation
<p>Viewing Direction: North</p>  <p>Descriptive Photo - 7 Viewing Direction: North Object: Excavation Created: 5/3/2022 4:01:22 PM Lat:32.716014, Long:-104.587908</p>	<p>Viewing Direction: Southeast</p>  <p>Descriptive Photo - 8 Viewing Direction: Southeast Object: Excavation Created: 5/3/2022 4:02:06 PM Lat:32.716016, Long:-104.588050</p>
Excavation	Excavation

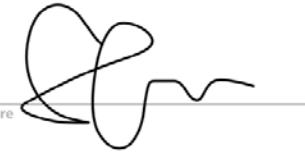
Daily Site Visit Report



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:	EOG Resources Inc.	Inspection Date:	3/4/2022
Site Location Name:	Mallard HM Fee Battery	Report Run Date:	3/4/2022 8:37 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	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:32.718056, 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:32.718056, 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:32.718056, Long:-104.387832

Part of east wall that came back hot yesterday



Daily Site Visit Report

Viewing Direction: Southwest



Remaining pad area from north

Viewing Direction: West



Hot section of west wall

Viewing Direction: Southeast



Excavation at midday

Viewing Direction: South



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							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)
BH22-26	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:	EOG Resources Inc.	Inspection Date:	3/7/2022
Site Location Name:	Mallard HM Fee Battery	Report Run Date:	3/8/2022 12:08 AM
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	3/7/2022 8:00 AM
Departed Site	3/7/2022 3:00 PM

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



Southern part of site this morning

Viewing Direction: West



Stockpiles and west wall

Viewing Direction: South



West wall

Viewing Direction: South

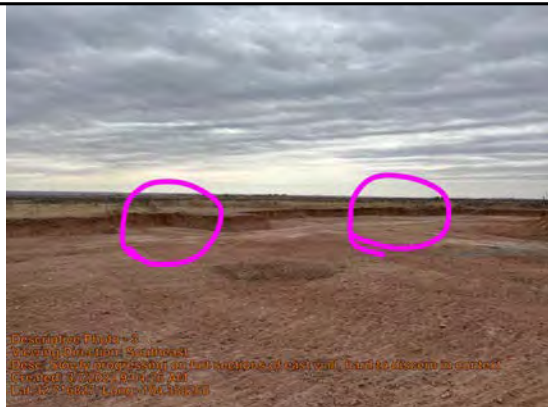


Outlined planned excavation toward road



Daily Site Visit Report

Viewing Direction: Southeast



Slowly progressing on hot sections of east wall

Viewing Direction: South



Moving out toward road

Viewing Direction: Southeast



Excavation

Viewing Direction: Northeast



North end of the excavation



Daily Site Visit Report

Viewing Direction: Southeast



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

Viewing Direction: Northwest



North half of the excavation

Viewing Direction: South



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:	EOG Resources Inc.	Inspection Date:	3/8/2022
Site Location Name:	Mallard HM Fee Battery	Report Run Date:	3/8/2022 11:50 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	3/8/2022 8:00 AM
Departed Site	3/8/2022 3:45 PM

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



Work on pile

Viewing Direction: Southeast



Clearing up dirt from road

Viewing Direction: Southeast



Cleaning up walls

Viewing Direction: Southwest



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:


Signature



Daily Site Visit Report

Client:	EOG Resources Inc.	Inspection Date:	3/9/2022
Site Location Name:	Mallard HM Fee Battery	Report Run Date:	3/9/2022 11:40 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 3/9/2022 8:00 AM

Departed Site 3/9/2022 3:45 PM

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



Water truck

Viewing Direction: East



Getting ready to start building the ramp

Viewing Direction: Northeast



South end of pad

Viewing Direction: North



Full wall on west side



Daily Site Visit Report

Viewing Direction: North



Excavation from south

Viewing Direction: North



East wall

Viewing Direction: Southeast



Southern part of excavation

Viewing Direction: East



Digging the exit ramp toward the north side of the west wall



Daily Site Visit Report

Viewing Direction: West



Almost completely through Pad to road

Viewing Direction: Northwest



Excavation

Viewing Direction: Southwest



South end of excavation

Viewing Direction: South



Road before



Daily Site Visit Report

Viewing Direction: South



Removing the rest of the west wall

Viewing Direction: Southwest



Got a second loader on site

Viewing Direction: Southeast



East wall finally cleared up

Viewing Direction: Northeast



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:	EOG Resources Inc.	Inspection Date:	3/10/2022
Site Location Name:	Mallard HM Fee Battery	Report Run Date:	3/10/2022 11:13 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	3/10/2022 8:00 AM
Departed Site	3/10/2022 4:15 PM

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



One of the trucks having mechanical trouble

Viewing Direction: Southeast



Pile

Viewing Direction: East



Completed exit ramp

Viewing Direction: East



Completed entrance ramp



Daily Site Visit Report

Viewing Direction: South



Excavation

Viewing Direction: Southeast



Loading trucks in the excavation

Viewing Direction: Southeast



Progress on the east wall

Viewing Direction: Southeast



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

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 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
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	10/10/2021 1:34:37 PM	63179
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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

Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	10/10/2021 1:47:02 PM	63179
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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		

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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
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	470	60		mg/Kg	20	10/10/2021 1:59:26 PM	63179
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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		

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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
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	550	60		mg/Kg	20	10/10/2021 2:11:50 PM	63179
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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		

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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
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	540	60		mg/Kg	20	10/10/2021 3:13:52 PM	63179
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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

Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	330	60		mg/Kg	20	10/10/2021 3:51:04 PM	63179
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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		

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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
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	300	60		mg/Kg	20	10/10/2021 4:03:29 PM	63179
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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

Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	180	59		mg/Kg	20	10/10/2021 4:15:53 PM	63179
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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

Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	130	60		mg/Kg	20	10/10/2021 4:28:18 PM	63179
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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#: 2110374

12-Oct-21

Client: EOG

Project: Mallard HM Fee Battery

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

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

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

WO#: 2110374

12-Oct-21

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

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

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

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

WO#: 2110374

12-Oct-21

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

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

Sample ID: lcs-63161	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 63161	RunNo: 81954								
Prep Date: 10/8/2021	Analysis Date: 10/11/2021	SeqNo: 2901242	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	25.00	0	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

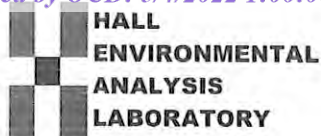
Sample ID: mb-63161	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 63161	RunNo: 81954								
Prep Date: 10/8/2021	Analysis Date: 10/11/2021	SeqNo: 2901288	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.83		1.000		82.6	70	130			

Sample ID: lcs-63161	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 63161	RunNo: 81954								
Prep Date: 10/8/2021	Analysis Date: 10/11/2021	SeqNo: 2901290	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	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

Chain of Custody

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

Log In

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

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted? _____

Checked by: TMC 10/7/21

Special Handling (if applicable)

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

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.2	Good				



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

October 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 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 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	6200	300		mg/Kg	100	10/11/2021 10:04:45 PM	63177
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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		

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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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	4700	150		mg/Kg	50	10/11/2021 10:17:10 PM	63177
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	2800	150		mg/Kg	50	10/11/2021 10:54:23 PM	63177
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	59		mg/Kg	20	10/10/2021 12:56:40 AM	63177
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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		

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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
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	10/10/2021 1:33:54 AM	63177
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	10/10/2021 1:46:18 AM	63177
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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		

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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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	5100	150		mg/Kg	50	10/11/2021 11:06:47 PM	63178
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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		

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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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	7000	300		mg/Kg	100	10/11/2021 11:19:11 PM	63178
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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		

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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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	5500	300		mg/Kg	100	10/11/2021 11:31:35 PM	63178
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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		

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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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	4900	150		mg/Kg	50	10/11/2021 11:43:59 PM	63178
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	4000	150		mg/Kg	50	10/11/2021 11:56:23 PM	63178
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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		

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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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	11000	600		mg/Kg	200	10/12/2021 12:08:48 AM	63178
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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		

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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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	7900	300		mg/Kg	100	10/12/2021 12:21:12 AM	63178
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	6900	300		mg/Kg	100	10/12/2021 12:33:36 AM	63178
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	5500	300		mg/Kg	100	10/12/2021 12:46:00 AM	63178
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	3700	150		mg/Kg	50	10/12/2021 1:23:13 AM	63178
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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		

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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
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	160	60		mg/Kg	20	10/10/2021 10:40:58 AM	63178
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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		

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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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	3100	150		mg/Kg	50	10/12/2021 1:35:37 AM	63178
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	3800	150		mg/Kg	50	10/12/2021 1:48:01 AM	63178
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	4800	150		mg/Kg	50	10/12/2021 2:00:25 AM	63178
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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		

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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
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	2300	60		mg/Kg	20	10/10/2021 11:30:34 AM	63178
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	100	61		mg/Kg	20	10/10/2021 11:42:58 AM	63178
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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

Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	2400	150		mg/Kg	50	10/12/2021 2:12:49 AM	63178
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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		

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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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	2700	150		mg/Kg	50	10/12/2021 2:25:13 AM	63178
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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

Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	4800	300		mg/Kg	100	10/12/2021 2:37:38 AM	63178
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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

Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	1500	60		mg/Kg	20	10/10/2021 12:57:24 PM	63178
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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#: 2110373

15-Oct-21

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

Sample ID: MB-63177	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 63177	RunNo: 81925								
Prep Date: 10/9/2021	Analysis Date: 10/9/2021	SeqNo: 2899623	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-63177	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 63177	RunNo: 81925								
Prep Date: 10/9/2021	Analysis Date: 10/9/2021	SeqNo: 2899624	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.4	90	110			

Sample ID: MB-63178	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 63178	RunNo: 81925								
Prep Date: 10/9/2021	Analysis Date: 10/10/2021	SeqNo: 2899655	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-63178	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 63178	RunNo: 81925								
Prep Date: 10/9/2021	Analysis Date: 10/10/2021	SeqNo: 2899656	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.1	90	110			

Qualifiers:

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

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

Sample ID: LCS-63159	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 63159	RunNo: 81947								
Prep Date: 10/8/2021	Analysis Date: 10/11/2021	SeqNo: 2901931			Units: mg/Kg					
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: MB-63159	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 63159	RunNo: 81947								
Prep Date: 10/8/2021	Analysis Date: 10/11/2021	SeqNo: 2901932			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		103	70	130			

Sample ID: LCS-63180	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 63180	RunNo: 81947								
Prep Date: 10/10/2021	Analysis Date: 10/12/2021	SeqNo: 2901968			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52	10	50.00	0	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: MB-63180	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 63180	RunNo: 81947								
Prep Date: 10/10/2021	Analysis Date: 10/12/2021	SeqNo: 2901969	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		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: mb-63137	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 63137	RunNo: 81915								
Prep Date: 10/7/2021	Analysis Date: 10/10/2021	SeqNo: 2899486			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	920		1000		91.7	70	130			

Sample ID: lcs-63137	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 63137	RunNo: 81915								
Prep Date: 10/7/2021	Analysis Date: 10/10/2021	SeqNo: 2899489			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	106	78.6	131			
Surr: BFB	1100		1000		108	70	130			

Sample ID: mb-63142	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 63142	RunNo: 81952								
Prep Date: 10/7/2021	Analysis Date: 10/11/2021	SeqNo: 2901072			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	920		1000		91.9	70	130			

Sample ID: lcs-63142	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 63142	RunNo: 81952								
Prep Date: 10/7/2021	Analysis Date: 10/11/2021	SeqNo: 2901073			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	105	78.6	131			
Surr: BFB	1000		1000		102	70	130			

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

Sample ID: lcs-63161	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 63161	RunNo: 81954								
Prep Date: 10/8/2021	Analysis Date: 10/11/2021	SeqNo: 2901242			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

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

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

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2110373

15-Oct-21

Client: EOG
Project: Mallard HM Fee Battery

Sample ID: Ics-63161		SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS		Batch ID: 63161		RunNo: 81954						
Prep Date: 10/8/2021		Analysis Date: 10/11/2021		SeqNo: 2901242		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	25.00	0	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: mb-63137	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 63137	RunNo: 81915								
Prep Date: 10/7/2021	Analysis Date: 10/10/2021	SeqNo: 2899543 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.83		1.000		82.6	70	130			

Sample ID: lcs-63137	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 63137	RunNo: 81915								
Prep Date: 10/7/2021	Analysis Date: 10/10/2021	SeqNo: 2899545 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.025	1.000	0	88.6	80	120			
Toluene	0.91	0.050	1.000	0	90.9	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: mb-63142	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 63142	RunNo: 81952								
Prep Date: 10/7/2021	Analysis Date: 10/11/2021	SeqNo: 2901120 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.84		1.000		83.8	70	130			

Sample ID: LCS-63142	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 63142	RunNo: 81952								
Prep Date: 10/7/2021	Analysis Date: 10/11/2021	SeqNo: 2901121 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	101	80	120			
Toluene	1.0	0.050	1.000	0	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

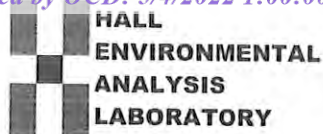
Sample ID: mb-63161	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 63161	RunNo: 81954								
Prep Date: 10/8/2021	Analysis Date: 10/11/2021	SeqNo: 2901288	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.83		1.000		82.6	70	130			

Sample ID: lcs-63161	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 63161	RunNo: 81954								
Prep Date: 10/8/2021	Analysis Date: 10/11/2021	SeqNo: 2901290	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	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

Chain of Custody

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

Log In

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

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by: TML 10/7/21

Special Handling (if applicable)

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

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.2	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 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 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
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	350	60		mg/Kg	20	10/12/2021 2:29:53 PM	63203
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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

Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	5800	300		mg/Kg	100	10/14/2021 3:13:24 AM	63203
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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		

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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
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1100	61		mg/Kg	20	10/12/2021 2:54:36 PM	63203
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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

Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	2300	61		mg/Kg	20	10/19/2021 4:21:58 AM	63308
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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		

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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
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	1100	59		mg/Kg	20	10/14/2021 8:40:45 PM	63308
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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

Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	680	60		mg/Kg	20	10/14/2021 8:53:10 PM	63308
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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

Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	1200	60		mg/Kg	20	10/14/2021 9:05:35 PM	63308
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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		

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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
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	690	60		mg/Kg	20	10/14/2021 9:18:00 PM	63308
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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

Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	530	60		mg/Kg	20	10/14/2021 9:55:14 PM	63308
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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

Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	10/14/2021 10:07:39 PM	63308
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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

Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	410	60		mg/Kg	20	10/14/2021 10:20:04 PM	63308
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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

Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	820	60		mg/Kg	20	10/14/2021 10:32:29 PM	63308
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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

Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	620	60		mg/Kg	20	10/14/2021 10:44:54 PM	63308
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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

Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	130	60		mg/Kg	20	10/14/2021 10:57:18 PM	63308
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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

Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	14000	600		mg/Kg	200	10/15/2021 7:48:44 AM	63308
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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

Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	8300	300		mg/Kg	100	10/15/2021 8:01:09 AM	63308
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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		

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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
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	2000	150		mg/Kg	50	10/15/2021 8:13:34 AM	63308
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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		

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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
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	6600	300		mg/Kg	100	10/15/2021 8:25:59 AM	63308
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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		

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

WO#: 2110481

20-Oct-21

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

Sample ID: MB-63203	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 63203	RunNo: 81980								
Prep Date: 10/11/2021	Analysis Date: 10/12/2021	SeqNo: 2903835	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-63203	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 63203	RunNo: 81980								
Prep Date: 10/11/2021	Analysis Date: 10/12/2021	SeqNo: 2903836	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.3	90	110			

Sample ID: MB-63308	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 63308	RunNo: 82066								
Prep Date: 10/14/2021	Analysis Date: 10/14/2021	SeqNo: 2906372	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-63308	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 63308	RunNo: 82066								
Prep Date: 10/14/2021	Analysis Date: 10/14/2021	SeqNo: 2906373	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.5	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: MB-63164	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 63164	RunNo: 81939								
Prep Date: 10/8/2021	Analysis Date: 10/11/2021	SeqNo: 2900398 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.5		10.00		84.9	70	130			

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

Sample ID: LCS-63231	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 63231	RunNo: 82029								
Prep Date: 10/12/2021	Analysis Date: 10/13/2021	SeqNo: 2904732 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	58	10	50.00	0	115	68.9	135			
Surr: DNOP	5.2		5.000		103	70	130			

Sample ID: MB-63231	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 63231	RunNo: 82029								
Prep Date: 10/12/2021	Analysis Date: 10/13/2021	SeqNo: 2904734 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.9		10.00		99.3	70	130			

Sample ID: LCS-63288	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 63288	RunNo: 82083								
Prep Date: 10/14/2021	Analysis Date: 10/15/2021	SeqNo: 2907358 Units: %Rec								
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: MB-63288	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 63288	RunNo: 82083								
Prep Date: 10/14/2021	Analysis Date: 10/15/2021	SeqNo: 2907359			Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10		10.00		101	70	130			

Sample ID: LCS-63319	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 63319	RunNo: 82083								
Prep Date: 10/14/2021	Analysis Date: 10/15/2021	SeqNo: 2909090			Units: %Rec					
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: MB-63319	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 63319	RunNo: 82083								
Prep Date: 10/14/2021	Analysis Date: 10/15/2021	SeqNo: 2909091			Units: %Rec					
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.
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: mb-63161	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 63161	RunNo: 81954								
Prep Date: 10/8/2021	Analysis Date: 10/11/2021	SeqNo: 2901240			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	990		1000		98.6	70	130			

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

Sample ID: mb-63223	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 63223	RunNo: 82053								
Prep Date: 10/12/2021	Analysis Date: 10/14/2021	SeqNo: 2906479			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		105	70	130			

Sample ID: lcs-63223	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 63223	RunNo: 82053								
Prep Date: 10/12/2021	Analysis Date: 10/14/2021	SeqNo: 2906481			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	31	5.0	25.00	0	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: mb-63161	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 63161	RunNo: 81954								
Prep Date: 10/8/2021	Analysis Date: 10/11/2021	SeqNo: 2901288			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.83		1.000		82.6	70	130			

Sample ID: lcs-63161	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 63161	RunNo: 81954								
Prep Date: 10/8/2021	Analysis Date: 10/11/2021	SeqNo: 2901290			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	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			

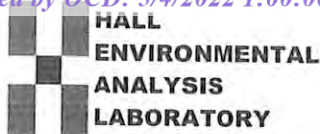
Sample ID: mb-63223	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 63223	RunNo: 82053								
Prep Date: 10/12/2021	Analysis Date: 10/14/2021	SeqNo: 2906519			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.90		1.000		90.3	70	130			

Sample ID: lcs-63223	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 63223	RunNo: 82053								
Prep Date: 10/12/2021	Analysis Date: 10/14/2021	SeqNo: 2906521			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	101	80	120			
Toluene	1.0	0.050	1.000	0	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

Chad
I-02

Chain of Custody

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

Log In

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

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted? _____

Checked by: TMC 10/8/21

Special Handling (if applicable)

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

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.7	Good	Not Present			



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 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 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
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	220	60		mg/Kg	20	2/1/2022 12:48:27 AM	65299
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	2/1/2022 3:46:02 PM	65310
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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: BH22-16 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
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	61		mg/Kg	20	2/1/2022 4:37:28 PM	65310
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	2/1/2022 4:49:53 PM	65310
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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		

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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
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	2/1/2022 5:27:06 PM	65310
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	2/1/2022 5:39:30 PM	65310
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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: BH22-18 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
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	59		mg/Kg	20	2/1/2022 5:51:55 PM	65310
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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: BH22-18 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
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	59		mg/Kg	20	2/1/2022 6:53:57 PM	65310
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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: BH22-18 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
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	2/1/2022 7:06:21 PM	65310
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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: BH22-19 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
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	63	60		mg/Kg	20	2/1/2022 7:18:45 PM	65310
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	2/1/2022 7:31:09 PM	65310
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	2/1/2022 7:43:34 PM	65310
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	1900	60		mg/Kg	20	2/1/2022 7:55:58 PM	65310
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	210	60		mg/Kg	20	2/1/2022 8:08:22 PM	65310
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	230	60		mg/Kg	20	2/1/2022 8:20:46 PM	65310
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	1600	60		mg/Kg	20	2/1/2022 8:33:12 PM	65310
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	530	60		mg/Kg	20	2/1/2022 8:45:37 PM	65310
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	850	60		mg/Kg	20	2/1/2022 9:22:50 PM	65310
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	2400	150		mg/Kg	50	2/2/2022 8:04:40 PM	65310
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	1300	60		mg/Kg	20	2/1/2022 9:47:38 PM	65310
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	1500	60		mg/Kg	20	2/2/2022 12:38:29 PM	65329
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	2000	60		mg/Kg	20	2/2/2022 1:15:31 PM	65329
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	820	61		mg/Kg	20	2/2/2022 1:27:52 PM	65329
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	310	60		mg/Kg	20	2/2/2022 2:29:37 PM	65329
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	1600	60		mg/Kg	20	2/2/2022 2:41:57 PM	65329
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	3700	150		mg/Kg	50	2/3/2022 1:39:39 PM	65329
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	590	60		mg/Kg	20	2/2/2022 3:06:39 PM	65329
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	2/2/2022 3:19:00 PM	65329
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	680	59		mg/Kg	20	2/2/2022 3:31:20 PM	65329
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	1200	60		mg/Kg	20	2/2/2022 3:43:41 PM	65329
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	6300	300		mg/Kg	100	2/3/2022 2:16:53 PM	65329
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	2300	150		mg/Kg	50	2/3/2022 2:29:18 PM	65329
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	2500	150		mg/Kg	50	2/3/2022 2:41:42 PM	65329
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	2/2/2022 4:57:45 PM	65329
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	1000	60		mg/Kg	20	2/2/2022 5:10:05 PM	65329
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	1300	60		mg/Kg	20	2/2/2022 5:22:27 PM	65329
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	120	59		mg/Kg	20	2/2/2022 5:34:47 PM	65329
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	88	60		mg/Kg	20	2/2/2022 5:47:08 PM	65329
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	280	60		mg/Kg	20	2/2/2022 5:59:28 PM	65329
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	2/2/2022 6:11:49 PM	65329
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	2/2/2022 2:17:09 PM	65332
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	87	59		mg/Kg	20	2/2/2022 2:29:33 PM	65332
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	380	60		mg/Kg	20	2/2/2022 2:41:58 PM	65332
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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: BH22-30 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	410	60		mg/Kg	20	2/2/2022 2:54:22 PM	65332
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	140	60		mg/Kg	20	2/2/2022 3:06:47 PM	65332
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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

WO#: 2201A89

08-Feb-22

Client: EOG
Project: Mallard

Sample ID: MB-65299	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 65299	RunNo: 85517								
Prep Date: 1/31/2022	Analysis Date: 1/31/2022	SeqNo: 3009983	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-65299	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 65299	RunNo: 85517								
Prep Date: 1/31/2022	Analysis Date: 1/31/2022	SeqNo: 3009984	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.6	90	110			

Sample ID: MB-65299	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 65299	RunNo: 85550								
Prep Date: 1/31/2022	Analysis Date: 2/1/2022	SeqNo: 3011125	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-65299	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 65299	RunNo: 85550								
Prep Date: 1/31/2022	Analysis Date: 2/1/2022	SeqNo: 3011126	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.2	90	110			

Sample ID: MB-65299	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 65299	RunNo: 85551								
Prep Date: 1/31/2022	Analysis Date: 2/1/2022	SeqNo: 3011191	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-65299	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 65299	RunNo: 85551								
Prep Date: 1/31/2022	Analysis Date: 2/1/2022	SeqNo: 3011192	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.0	90	110			

Qualifiers:

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

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

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

WO#: 2201A89

08-Feb-22

Client: EOG
Project: Mallard

Sample ID: MB-65310	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 65310	RunNo: 85551								
Prep Date: 2/1/2022	Analysis Date: 2/1/2022	SeqNo: 3011210	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-65310	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 65310	RunNo: 85551								
Prep Date: 2/1/2022	Analysis Date: 2/1/2022	SeqNo: 3011211	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.0	90	110			

Sample ID: MB-65332	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 65332	RunNo: 85584								
Prep Date: 2/2/2022	Analysis Date: 2/2/2022	SeqNo: 3012470	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-65332	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 65332	RunNo: 85584								
Prep Date: 2/2/2022	Analysis Date: 2/2/2022	SeqNo: 3012471	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.4	90	110			

Sample ID: MB-65329	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 65329	RunNo: 85586								
Prep Date: 2/2/2022	Analysis Date: 2/2/2022	SeqNo: 3012582	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-65329	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 65329	RunNo: 85586								
Prep Date: 2/2/2022	Analysis Date: 2/2/2022	SeqNo: 3012583	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.8	90	110			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix 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: MB-65280	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 65280		RunNo: 85537							
Prep Date: 1/31/2022	Analysis Date: 2/1/2022		SeqNo: 3011395		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.8		10.00		87.7	51.1	141			

Sample ID: LCS-65280	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 65280		RunNo: 85537							
Prep Date: 1/31/2022	Analysis Date: 2/1/2022		SeqNo: 3011396		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	92.9	68.9	135			
Surr: DNOP	4.0		5.000		80.8	51.1	141			

Sample ID: MB-65285	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 65285		RunNo: 85537							
Prep Date: 1/31/2022	Analysis Date: 2/1/2022		SeqNo: 3011397		Units: %Rec					
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: LCS-65285	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 65285		RunNo: 85537							
Prep Date: 1/31/2022	Analysis Date: 2/1/2022		SeqNo: 3011398		Units: %Rec					
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: MB-65279	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 65279		RunNo: 85537							
Prep Date: 1/31/2022	Analysis Date: 2/1/2022		SeqNo: 3011401		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		106	51.1	141			

Sample ID: LCS-65279	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 65279		RunNo: 85537							
Prep Date: 1/31/2022	Analysis Date: 2/1/2022		SeqNo: 3011402		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

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

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

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

WO#: 2201A89

08-Feb-22

Client: EOG
Project: Mallard

Sample ID: LCS-65279	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 65279			RunNo: 85537						
Prep Date: 1/31/2022	Analysis Date: 2/1/2022			SeqNo: 3011402	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	55	10	50.00	0	110	68.9	135			
Surr: DNOP	4.5		5.000		90.6	51.1	141			

Sample ID: MB-65284	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 65284			RunNo: 85537						
Prep Date: 1/31/2022	Analysis Date: 2/1/2022			SeqNo: 3011403	Units: %Rec					
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: LCS-65284	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 65284			RunNo: 85537						
Prep Date: 1/31/2022	Analysis Date: 2/1/2022			SeqNo: 3011404	Units: %Rec					
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: MB-65281	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 65281			RunNo: 85537						
Prep Date: 1/31/2022	Analysis Date: 2/1/2022			SeqNo: 3011479	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.4		10.00		83.8	51.1	141			

Sample ID: LCS-65281	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 65281			RunNo: 85537						
Prep Date: 1/31/2022	Analysis Date: 2/1/2022			SeqNo: 3011480	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	94.3	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: mb-65268	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 65268			RunNo: 85513						
Prep Date: 1/28/2022	Analysis Date: 1/31/2022			SeqNo: 3009638	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1200		1000		116	70	130			

Sample ID: lcs-65268	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 65268			RunNo: 85513						
Prep Date: 1/28/2022	Analysis Date: 1/31/2022			SeqNo: 3009639	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	25.00	0	85.0	78.6	131			
Surr: BFB	1200		1000		123	70	130			

Sample ID: mb-65266	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 65266			RunNo: 85512						
Prep Date: 1/28/2022	Analysis Date: 1/31/2022			SeqNo: 3009719	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	970		1000		96.7	70	130			

Sample ID: mb-65267	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 65267			RunNo: 85512						
Prep Date: 1/28/2022	Analysis Date: 2/1/2022			SeqNo: 3009720	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	970		1000		97.2	70	130			

Sample ID: lcs-65266	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 65266			RunNo: 85512						
Prep Date: 1/28/2022	Analysis Date: 1/31/2022			SeqNo: 3009722	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	102	78.6	131			
Surr: BFB	1200		1000		123	70	130			

Sample ID: lcs-65267	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 65267			RunNo: 85512						
Prep Date: 1/28/2022	Analysis Date: 2/1/2022			SeqNo: 3009723	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

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

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

WO#: 2201A89

08-Feb-22

Client: EOG
Project: Mallard

Sample ID: ics-65267	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 65267			RunNo: 85512						
Prep Date: 1/28/2022	Analysis Date: 2/1/2022			SeqNo: 3009723	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	89.3	78.6	131			
Surr: BFB	1100		1000		112	70	130			

Sample ID: mb-65288	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 65288			RunNo: 85541						
Prep Date: 1/31/2022	Analysis Date: 2/2/2022			SeqNo: 3010823	Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100		1000		108	70	130			

Sample ID: ics-65288	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 65288			RunNo: 85541						
Prep Date: 1/31/2022	Analysis Date: 2/2/2022			SeqNo: 3010824	Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1200		1000		120	70	130			

Sample ID: mb-65274	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 65274			RunNo: 85543						
Prep Date: 1/29/2022	Analysis Date: 2/1/2022			SeqNo: 3010878	Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	960		1000		96.1	70	130			

Sample ID: mb-65275	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 65275			RunNo: 85543						
Prep Date: 1/29/2022	Analysis Date: 2/1/2022			SeqNo: 3010879	Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	970		1000		97.0	70	130			

Sample ID: ics-65274	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 65274			RunNo: 85543						
Prep Date: 1/29/2022	Analysis Date: 2/1/2022			SeqNo: 3010880	Units: %Rec					
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: Ics-65275	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 65275			RunNo: 85543						
Prep Date: 1/29/2022	Analysis Date: 2/1/2022			SeqNo: 3010881		Units: %Rec				
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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting 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: mb-65268	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 65268	RunNo: 85513								
Prep Date: 1/28/2022	Analysis Date: 1/31/2022	SeqNo: 3009686	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		104	70	130			

Sample ID: LCS-65268	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 65268	RunNo: 85513								
Prep Date: 1/28/2022	Analysis Date: 1/31/2022	SeqNo: 3009687	Units: mg/Kg							
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: mb-65266	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 65266	RunNo: 85512								
Prep Date: 1/28/2022	Analysis Date: 1/31/2022	SeqNo: 3009772	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.88		1.000		88.1	70	130			

Sample ID: mb-65267	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 65267	RunNo: 85512								
Prep Date: 1/28/2022	Analysis Date: 2/1/2022	SeqNo: 3009773	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.88		1.000		88.4	70	130			

Qualifiers:

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

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

WO#: 2201A89

08-Feb-22

Client: EOG
Project: Mallard

Sample ID: lcs-65266	SampType: LCS			TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch ID: 65266			RunNo: 85512						
Prep Date: 1/28/2022	Analysis Date: 1/31/2022			SeqNo: 3009775		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	94.8	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: lcs-65267	SampType: LCS			TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch ID: 65267			RunNo: 85512						
Prep Date: 1/28/2022	Analysis Date: 2/1/2022			SeqNo: 3009776		Units: mg/Kg				
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: mb-65274	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch ID: 65274			RunNo: 85543						
Prep Date: 1/29/2022	Analysis Date: 2/1/2022			SeqNo: 3010926		Units: %Rec				
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: mb-65275	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch ID: 65275			RunNo: 85543						
Prep Date: 1/29/2022	Analysis Date: 2/1/2022			SeqNo: 3010927		Units: %Rec				
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: lcs-65274	SampType: LCS			TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch ID: 65274			RunNo: 85543						
Prep Date: 1/29/2022	Analysis Date: 2/1/2022			SeqNo: 3010928		Units: %Rec				
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: Ics-65275		SampType: LCS		TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS		Batch ID: 65275		RunNo: 85543						
Prep Date: 1/29/2022		Analysis Date: 2/1/2022		SeqNo: 3010929		Units: %Rec				
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

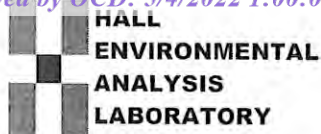
Analyte detected in the associated Method Blank
- E

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: *che* 1/28/22*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 $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace $<1/4"$ for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted? _____

Checked by: *gn 1/28/22*

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 $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.7	Good				

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)

Project Manager:

Mónica Perrin

Sampler: CD

On Ice: ☒ Yes ☐ No

of Coolers: 1

Cooler Temp (including CF): 1.7 ± 0.17 (°C)

Date Time Matrix Sample Name

1/25 10:30 5011 BH22-20 0'

10:40 BH22-20 3'

10:50 BH22-20 6'

11:00 BH22-21 0'

11:10 BH22-21 6'

11:20 BH22-21 12'

11:30 BH22-22 0'

11:40 BH22-22 6'

11:50 BH22-22 12'

12:00 BH22-23 0'

12:10 BH22-23 6'

12:20 BH22-23 12'

Date:

Relinquished by:

Date:

Relinquished by:

Received by:

Date

Time

Received by:

Date

Time

Turn-Around Time: 5- Day

☒ Standard☒ Rush

Project Name:

M911ard

Project #:

22E-00123-008

HALL ENVIRONMENTAL
ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

BTX: MTBE / TMB's (8021)

TPH: 8015D (GRO / DRO / MRO)

8081 Pesticides/8082 PCB's

EDB (Method 504.1)

PAHs by 8310 or 8270SIMS

RCRA 8 Metals

Cl, F, Br, NO₃, PO₄, SO₄

8260 (VOA)

8270 (Semi-VOA)

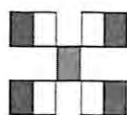
Total Coliform (Present/Absent)

Remarks: CC: Chance Dixon

Direct Bill EOG Resources

Chain-of-Custody Record

Client: <u>EOG</u>		Turn-Around Time: <u>5 day</u>	
Project Name: <u>Chase Settlement file</u>		<input type="checkbox"/> Standard <input checked="" type="checkbox"/> Rush	
Mailing Address: <u>/</u>		Project #: <u>22E-00123-008</u>	
Phone #: <u>/</u>		Project Manager: <u>monica peppin</u>	
email or Fax#: <u>/</u>		Sampler: <u>CD</u>	
QA/QC Package: <u>/</u>		On Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<input type="checkbox"/> Standard <input type="checkbox"/> Level 4 (Full Validation)		# of Coolers: <u>1</u>	
Accreditation: <input type="checkbox"/> Az Compliance <input type="checkbox"/> NELAC <input type="checkbox"/> Other		Cooler Temp (including CF): <u>1.7 ± 0.1 °C</u>	
<input type="checkbox"/> EDD (Type) <u>/</u>		HEAL No.	
Date	Time	Matrix	Sample Name
1/24/20	830	Soil	BH22-24 0'
1/24/20	840	Soil	BH22-24 6'
1/24/20	850	Soil	BH22-24 12'
1/24/20	906	Soil	BH22-25 0'
1/24/20	910	Soil	BH22-25 6'
1/24/20	920	Soil	BH22-25 12'
1/24/20	930	Soil	BH22-26 0'
1/24/20	940	Soil	BH22-26 6'
1/24/20	950	Soil	BH22-26 12'
1/24/20	1000	Soil	BH22-27 0'
1/24/20	1010	Soil	BH22-27 6'
1/24/20	1020	Soil	BH22-27 12'
Date	Time	Relinquished by:	Relinquished by:
1/24/20	1900	<u>admiral</u>	<u>admiral</u>



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
✓	✓	✓	✓	✓	✓	✓	✓	✓

Remarks:

CC: Chance Dixon
monica peppin

Direct Bill Eog

Chain-of-Custody Record

Client: Eog

Chase Settle

Mailing Address: on filePhone #: /

email or Fax#:

QA/QC Package:

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

Turn-Around Time:

☐ Standard☒ Rush

Project Name:

Mallard

Project #:

22E-00123-00B

Project Manager:

monica peppinSampler: CDOn Ice: ☒ Yes ☐ No# of Coolers: 1Cooler Temp (including cF): 1.7 ± 0.17 (°C)

Date Time Matrix Sample Name

10/20/22 1000 Soil BH22-28 0'

1040 BH22-28 3'

1050 BH22-28 6'

1100 BH22-29 0'

1110 BH22-29 3'

1120 BH22-29 6'

1130 BH22-30 0'

1240 BH22-30 6'

1250 BH22-30 12'

Container Type and #

400 jar

Preservative Type

lee

HEAL No.

037038039040041042043044045

Date: Time: Relinquished by:

Date: Time: Relinquished by:

Received by: Via: Date Time

Received by: Via: Date Time

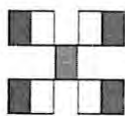
Date Time

Date Time

Remarks:

CC: Chance DixonDirect 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

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

BTEX / MTBE / TMB's (8021)	X
TPH:8015D(GRO / DRO / MRO)	X
8081 Pesticides/8082 PCB's	
EDB (Method 504.1)	
PAHs by 8310 or 8270SIMS	
RCRA 8 Metals	
Cl, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄	X
8260 (VOA)	
8270 (Semi-VOA)	
Total Coliform (Present/Absent)	



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

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 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 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	2/2/2022 4:21:16 PM	65332
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	560	60		mg/Kg	20	2/2/2022 4:58:30 PM	65332
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	410	59		mg/Kg	20	2/2/2022 5:10:54 PM	65332
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	2/2/2022 5:23:18 PM	65332
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	260	60		mg/Kg	20	2/2/2022 5:35:43 PM	65332
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	2/2/2022 6:12:58 PM	65332
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	61		mg/Kg	20	2/2/2022 6:25:23 PM	65332
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	450	60		mg/Kg	20	2/2/2022 6:37:47 PM	65332
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	460	60		mg/Kg	20	2/2/2022 6:50:12 PM	65332
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	110	60		mg/Kg	20	2/2/2022 7:02:37 PM	65332
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	61		mg/Kg	20	2/2/2022 7:15:01 PM	65332
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	2/2/2022 7:27:25 PM	65332
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	2/2/2022 7:39:50 PM	65332
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	460	60		mg/Kg	20	2/2/2022 7:52:15 PM	65332
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	120	60		mg/Kg	20	2/2/2022 8:41:53 PM	65343
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	9000	300		mg/Kg	100	2/3/2022 12:25:12 PM	65343
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	1700	60		mg/Kg	20	2/2/2022 9:06:42 PM	65343
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	2400	60		mg/Kg	20	2/2/2022 9:19:07 PM	65343
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	5600	300		mg/Kg	100	2/3/2022 12:37:36 PM	65343
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	1000	60		mg/Kg	20	2/2/2022 9:43:56 PM	65343
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	1400	60		mg/Kg	20	2/2/2022 9:56:20 PM	65343
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	7000	300		mg/Kg	100	2/3/2022 12:50:01 PM	65343
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	410	60		mg/Kg	20	2/2/2022 10:21:10 PM	65343
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	130	60		mg/Kg	20	2/2/2022 10:33:34 PM	65343
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	15000	600		mg/Kg	200	2/3/2022 1:02:26 PM	65343
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	3200	150		mg/Kg	50	2/3/2022 1:14:51 PM	65343
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	1700	60		mg/Kg	20	2/2/2022 11:35:38 PM	65343
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
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
EPA METHOD 8021B: VOLATILES							Analyst: mb
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.

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

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

WO#: 2201B31

07-Feb-22

Client: EOG
Project: Mallard

Sample ID: MB-65332	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 65332	RunNo: 85584								
Prep Date: 2/2/2022	Analysis Date: 2/2/2022	SeqNo: 3012470 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-65332	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 65332	RunNo: 85584								
Prep Date: 2/2/2022	Analysis Date: 2/2/2022	SeqNo: 3012471 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.4	90	110			

Sample ID: MB-65343	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 65343	RunNo: 85611								
Prep Date: 2/2/2022	Analysis Date: 2/3/2022	SeqNo: 3013619 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-65343	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 65343	RunNo: 85611								
Prep Date: 2/2/2022	Analysis Date: 2/3/2022	SeqNo: 3013620 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.3	90	110			

Qualifiers:

* Value exceeds Maximum Contaminant 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: MB-65285	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 65285			RunNo: 85537						
Prep Date: 1/31/2022	Analysis Date: 2/1/2022			SeqNo: 3011397	Units: %Rec					
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: LCS-65285	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 65285			RunNo: 85537						
Prep Date: 1/31/2022	Analysis Date: 2/1/2022			SeqNo: 3011398	Units: %Rec					
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: MB-65283	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 65283			RunNo: 85537						
Prep Date: 1/31/2022	Analysis Date: 2/1/2022			SeqNo: 3011399	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.3		10.00		92.9	51.1	141			

Sample ID: LCS-65283	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 65283			RunNo: 85537						
Prep Date: 1/31/2022	Analysis Date: 2/1/2022			SeqNo: 3011400	Units: mg/Kg					
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: MB-65284	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 65284			RunNo: 85537						
Prep Date: 1/31/2022	Analysis Date: 2/1/2022			SeqNo: 3011403	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	7.8		10.00		78.4	51.1	141			

Sample ID: LCS-65284	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 65284			RunNo: 85537						
Prep Date: 1/31/2022	Analysis Date: 2/1/2022			SeqNo: 3011404	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

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

B Analyte detected in the associated Method Blank
E 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: LCS-65284	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 65284			RunNo: 85537						
Prep Date: 1/31/2022	Analysis Date: 2/1/2022			SeqNo: 3011404	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	89.0	68.9	135			
Surr: DNOP	3.4		5.000		68.1	51.1	141			

Sample ID: LCS-65337	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 65337			RunNo: 85590						
Prep Date: 2/2/2022	Analysis Date: 2/3/2022			SeqNo: 3013026	Units: %Rec					
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: MB-65337	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 65337			RunNo: 85590						
Prep Date: 2/2/2022	Analysis Date: 2/3/2022			SeqNo: 3013028	Units: %Rec					
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:

* Value exceeds Maximum Contaminant 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: mb-65273	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 65273			RunNo: 85541						
Prep Date: 1/29/2022	Analysis Date: 2/1/2022			SeqNo: 3010787		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		110	70	130			

Sample ID: lcs-65273	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 65273			RunNo: 85541						
Prep Date: 1/29/2022	Analysis Date: 2/1/2022			SeqNo: 3010788		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	93.0	78.6	131			
Surr: BFB	1200		1000		120	70	130			

Sample ID: mb-65288	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 65288			RunNo: 85541						
Prep Date: 1/31/2022	Analysis Date: 2/2/2022			SeqNo: 3010823		Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100		1000		108	70	130			

Sample ID: lcs-65288	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 65288			RunNo: 85541						
Prep Date: 1/31/2022	Analysis Date: 2/2/2022			SeqNo: 3010824		Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1200		1000		120	70	130			

Sample ID: mb-65274	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 65274			RunNo: 85543						
Prep Date: 1/29/2022	Analysis Date: 2/1/2022			SeqNo: 3010878		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	960		1000		96.1	70	130			

Sample ID: mb-65275	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 65275			RunNo: 85543						
Prep Date: 1/29/2022	Analysis Date: 2/1/2022			SeqNo: 3010879		Units: %Rec				
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: Ics-65274	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 65274			RunNo: 85543						
Prep Date: 1/29/2022	Analysis Date: 2/1/2022			SeqNo: 3010880	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	108	78.6	131			
Surr: BFB	1100		1000		111	70	130			

Sample ID: Ics-65275	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 65275			RunNo: 85543						
Prep Date: 1/29/2022	Analysis Date: 2/1/2022			SeqNo: 3010881	Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100		1000		106	70	130			

Sample ID: mb-65316	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 65316			RunNo: 85580						
Prep Date: 2/1/2022	Analysis Date: 2/3/2022			SeqNo: 3012262	Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100		1000		107	70	130			

Sample ID: Ics-65316	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 65316			RunNo: 85580						
Prep Date: 2/1/2022	Analysis Date: 2/2/2022			SeqNo: 3012263	Units: %Rec					
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: mb-65273	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 65273	RunNo: 85541								
Prep Date: 1/29/2022	Analysis Date: 2/1/2022	SeqNo: 3010836 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		104	70	130			

Sample ID: LCS-65273	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 65273	RunNo: 85541								
Prep Date: 1/29/2022	Analysis Date: 2/1/2022	SeqNo: 3010837 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	1.000	0	93.6	80	120			
Toluene	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: mb-65274	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 65274	RunNo: 85543								
Prep Date: 1/29/2022	Analysis Date: 2/1/2022	SeqNo: 3010926 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.91		1.000		91.1	70	130			

Sample ID: mb-65275	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 65275	RunNo: 85543								
Prep Date: 1/29/2022	Analysis Date: 2/1/2022	SeqNo: 3010927 Units: %Rec								
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: lcs-65274	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 65274	RunNo: 85543								
Prep Date: 1/29/2022	Analysis Date: 2/1/2022	SeqNo: 3010928 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

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

B Analyte detected in the associated Method Blank
E 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: lcs-65274	SampType: LCS			TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch ID: 65274			RunNo: 85543						
Prep Date: 1/29/2022	Analysis Date: 2/1/2022			SeqNo: 3010928	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	95.3	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: lcs-65275	SampType: LCS			TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch ID: 65275			RunNo: 85543						
Prep Date: 1/29/2022	Analysis Date: 2/1/2022			SeqNo: 3010929	Units: %Rec					
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: mb-65316	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch ID: 65316			RunNo: 85580						
Prep Date: 2/1/2022	Analysis Date: 2/3/2022			SeqNo: 3012274	Units: %Rec					
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: LCS-65316	SampType: LCS			TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch ID: 65316			RunNo: 85580						
Prep Date: 2/1/2022	Analysis Date: 2/3/2022			SeqNo: 3012275	Units: %Rec					
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**See Log**See Log*

Chain of Custody

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

Log In

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

of preserved
bottles checked
for pH:

(≤ 2 or >12 unless noted)

Adjusted? _____

Checked by: *See 1/29/22*

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 $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
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 Deppin

Sampler: Charles Dixon

On Ice: ☒ Yes ☐ No

of Coolers:

Cooler Temp (including CF): 1.9 to 2.0 (°C)

Date

Time

Matrix

Sample Name

Container Type and #

Preservative Type

HEAL No.

BTX

TPH:8015D(GRO / DRO / MRO)

8081 Pesticides/8082 PCB's

EDB (Method 504.1)

PAHs by 8310 or 8270SIMS

RCRA 8 Metals

Cl, F, Br, NO₃, NO₂, PO₄, SO₄

8260 (VOA)

8270 (Semi-VOA)

Total Coliform (Present/Absent)

Date:

Time:

Relinquished by:

Relinquished by:

Received by:

Via:

Date

Time

Remarks:

CC: Charles Dixon,
Monica Deppin

Direct Bill EOG Resources

Date:

Time:

Relinquished by:

Relinquished by:

Received by:

Via:

Date

Time

Remarks:

CC: Charles Dixon,
Monica Deppin

Direct Bill EOG Resources

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 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 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	2/7/2022 2:34:27 PM	65398
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	2/7/2022 3:36:27 PM	65398
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	2/7/2022 3:48:51 PM	65398
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	61		mg/Kg	20	2/7/2022 4:01:16 PM	65398
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	610	60		mg/Kg	20	2/7/2022 4:13:40 PM	65398
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	2/7/2022 4:26:05 PM	65398
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	2200	150		mg/Kg	50	2/8/2022 4:20:03 PM	65398
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	330	60		mg/Kg	20	2/7/2022 4:50:53 PM	65398
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	380	60		mg/Kg	20	2/7/2022 5:03:17 PM	65398
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	2/7/2022 5:40:30 PM	65398
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	160	60		mg/Kg	20	2/7/2022 5:52:54 PM	65398
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	370	60		mg/Kg	20	2/7/2022 6:05:18 PM	65398
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	59		mg/Kg	20	2/7/2022 6:17:43 PM	65398
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	1300	60		mg/Kg	20	2/7/2022 6:30:07 PM	65398
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	130	60		mg/Kg	20	2/7/2022 6:42:31 PM	65398
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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

WO#: 2202078

16-Feb-22

Client: EOG
Project: Mallard

Sample ID: MB-65398	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 65398	RunNo: 85658								
Prep Date: 2/7/2022	Analysis Date: 2/7/2022	SeqNo: 3015610	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-65398	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 65398	RunNo: 85658								
Prep Date: 2/7/2022	Analysis Date: 2/7/2022	SeqNo: 3015611	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.5	90	110			

Qualifiers:

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

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

WO#: 2202078

16-Feb-22

Client: EOG
Project: Mallard

Sample ID: MB-65370	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 65370	RunNo: 85618								
Prep Date: 2/3/2022	Analysis Date: 2/4/2022	SeqNo: 3013991 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	13		10.00		134	51.1	141			

Sample ID: LCS-65370	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 65370	RunNo: 85618								
Prep Date: 2/3/2022	Analysis Date: 2/4/2022	SeqNo: 3014001 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	96.9	68.9	135			
Surr: DNOP	4.7		5.000		94.3	51.1	141			

Sample ID: LCS-65386	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 65386	RunNo: 85650								
Prep Date: 2/4/2022	Analysis Date: 2/7/2022	SeqNo: 3015345 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	91.0	68.9	135			
Surr: DNOP	4.4		5.000		87.4	51.1	141			

Sample ID: MB-65386	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 65386	RunNo: 85650								
Prep Date: 2/4/2022	Analysis Date: 2/7/2022	SeqNo: 3015346 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		102	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		

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

WO#: 2202078

16-Feb-22

Client: EOG
Project: Mallard

Sample ID: mb-65342	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 65342	RunNo: 85602								
Prep Date: 2/2/2022	Analysis Date: 2/3/2022	SeqNo: 3013187 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		109	70	130			

Sample ID: lcs-65342	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 65342	RunNo: 85602								
Prep Date: 2/2/2022	Analysis Date: 2/3/2022	SeqNo: 3013188 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	105	78.6	131			
Surr: BFB	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

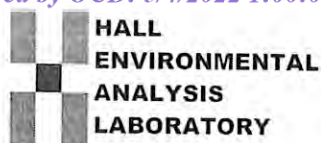
Client: EOG
Project: Mallard

Sample ID: mb-65342	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 65342	RunNo: 85602								
Prep Date: 2/2/2022	Analysis Date: 2/3/2022	SeqNo: 3013223	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		105	70	130			

Sample ID: LCS-65342	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 65342	RunNo: 85602								
Prep Date: 2/2/2022	Analysis Date: 2/3/2022	SeqNo: 3013224	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.025	1.000	0	88.2	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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		



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

Sample Log-In Check List

Client Name: 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]* 2/2/22*[Signature]**[Signature]*Chain of Custody

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

Log In

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

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by: *KPLG* 2/2/22

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 $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.5	Good				



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: 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 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 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
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	2/8/2022 1:13:55 PM	65421
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	140	60		mg/Kg	20	2/8/2022 1:51:08 PM	65421
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	220	60		mg/Kg	20	2/8/2022 2:03:33 PM	65421
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	2/8/2022 2:15:58 PM	65421
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	770	60		mg/Kg	20	2/8/2022 2:28:22 PM	65421
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	800	60		mg/Kg	20	2/8/2022 3:05:36 PM	65421
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	2/8/2022 3:18:00 PM	65421
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 2202152

Date Reported: 2/10/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: BH22-47 3'

Project: Mallard

Collection Date: 2/1/2022 8:35:00 AM

Lab ID: 2202152-008

Matrix: SOIL

Received Date: 2/3/2022 1:27:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	200	60		mg/Kg	20	2/8/2022 3:30:25 PM	65421
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	200	60		mg/Kg	20	2/8/2022 3:42:50 PM	65421
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	2/8/2022 3:55:15 PM	65421
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 2202152

Date Reported: 2/10/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: BH22-48 3'

Project: Mallard

Collection Date: 2/1/2022 8:50:00 AM

Lab ID: 2202152-011

Matrix: SOIL

Received Date: 2/3/2022 1:27:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	190	60		mg/Kg	20	2/8/2022 4:07:39 PM	65421
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	140	60		mg/Kg	20	2/8/2022 8:28:15 PM	65426
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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#: 2202152

10-Feb-22

Client: EOG
Project: Mallard

Sample ID: MB-65421	SampType: mblk		TestCode: EPA Method 300.0: Anions							
Client ID: PBS	Batch ID: 65421		RunNo: 85698							
Prep Date: 2/8/2022	Analysis Date: 2/8/2022		SeqNo: 3017133		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-65421	SampType: lcs		TestCode: EPA Method 300.0: Anions							
Client ID: LCSS	Batch ID: 65421		RunNo: 85698							
Prep Date: 2/8/2022	Analysis Date: 2/8/2022		SeqNo: 3017134		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.8	90	110			

Sample ID: MB-65426	SampType: mblk		TestCode: EPA Method 300.0: Anions							
Client ID: PBS	Batch ID: 65426		RunNo: 85698							
Prep Date: 2/8/2022	Analysis Date: 2/8/2022		SeqNo: 3017164		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-65426	SampType: lcs		TestCode: EPA Method 300.0: Anions							
Client ID: LCSS	Batch ID: 65426		RunNo: 85698							
Prep Date: 2/8/2022	Analysis Date: 2/8/2022		SeqNo: 3017165		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.8	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting 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: LCS-65386	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 65386	RunNo: 85650								
Prep Date: 2/4/2022	Analysis Date: 2/7/2022	SeqNo: 3015345 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	91.0	68.9	135			
Surr: DNOP	4.4		5.000		87.4	51.1	141			

Sample ID: MB-65386	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 65386	RunNo: 85650								
Prep Date: 2/4/2022	Analysis Date: 2/7/2022	SeqNo: 3015346 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		102	51.1	141			

Sample ID: LCS-65396	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 65396	RunNo: 85689								
Prep Date: 2/7/2022	Analysis Date: 2/8/2022	SeqNo: 3016913 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	90.6	68.9	135			
Surr: DNOP	4.1		5.000		81.8	51.1	141			

Sample ID: MB-65396	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 65396	RunNo: 85689								
Prep Date: 2/7/2022	Analysis Date: 2/8/2022	SeqNo: 3016916 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.0		10.00		89.9	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#: 2202152

10-Feb-22

Client: EOG
Project: Mallard

Sample ID: mb-65380	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 65380		RunNo: 85645							
Prep Date: 2/4/2022	Analysis Date: 2/5/2022		SeqNo: 3015107		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	990		1000		99.3	70	130			

Sample ID: lcs-65380	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 65380		RunNo: 85645							
Prep Date: 2/4/2022	Analysis Date: 2/5/2022		SeqNo: 3015108		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	29	5.0	25.00	0	115	78.6	131			
Surr: BFB	1300		1000		127	70	130			

Sample ID: mb-65387	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 65387		RunNo: 85651							
Prep Date: 2/4/2022	Analysis Date: 2/7/2022		SeqNo: 3015358		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1300		1000		127	70	130			

Sample ID: lcs-65387	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 65387		RunNo: 85651							
Prep Date: 2/4/2022	Analysis Date: 2/7/2022		SeqNo: 3015359		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	101	78.6	131			
Surr: BFB	1200		1000		123	70	130			

Qualifiers:

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

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

WO#: 2202152

10-Feb-22

Client: EOG
Project: Mallard

Sample ID: mb-65380	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 65380	RunNo: 85645								
Prep Date: 2/4/2022	Analysis Date: 2/5/2022	SeqNo: 3015134 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.93		1.000		92.7	70	130			

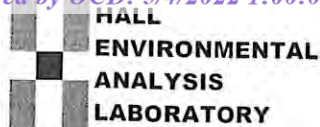
Sample ID: lcs-65380	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 65380	RunNo: 85645								
Prep Date: 2/4/2022	Analysis Date: 2/5/2022	SeqNo: 3015135 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	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: mb-65387	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 65387	RunNo: 85651								
Prep Date: 2/4/2022	Analysis Date: 2/7/2022	SeqNo: 3015392 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.2		1.000		118	70	130			

Sample ID: LCS-65387	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 65387	RunNo: 85651								
Prep Date: 2/4/2022	Analysis Date: 2/7/2022	SeqNo: 3015393 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.025	1.000	0	98.2	80	120			
Toluene	1.0	0.050	1.000	0	100	80	120			
Ethylbenzene	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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		



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

Sample Log-In Check List

Client Name: EOG

Work Order Number: 2202152

RcptNo: 1

Received By: Cheyenne Cason

2/3/2022 1:27:00 PM

Chen

Completed By: Cheyenne Cason

2/3/2022 2:39:17 PM

Chen

Reviewed By:

JA 2/3/22

Chain of Custody

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

Log In

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

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 $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.3	Good	Not Present			



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

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
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	490	60		mg/Kg	20	2/8/2022 8:40:39 PM	65426
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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		

Page 1 of 20

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
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	740	60		mg/Kg	20	2/8/2022 8:53:04 PM	65426
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	380	60		mg/Kg	20	2/8/2022 9:05:30 PM	65426
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1300	60		mg/Kg	20	2/8/2022 9:17:54 PM	65426
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	2/8/2022 9:30:19 PM	65426
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	2/8/2022 10:32:23 PM	65426
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	2/8/2022 11:34:28 PM	65437
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	2/8/2022 11:46:53 PM	65437
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	2/8/2022 11:59:18 PM	65437
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	2/9/2022 12:11:43 AM	65437
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	2/9/2022 12:24:07 AM	65437
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1100	60		mg/Kg	20	2/9/2022 1:01:22 AM	65437
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	270	60		mg/Kg	20	2/9/2022 1:13:47 AM	65437
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	2/9/2022 1:26:12 AM	65437
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	2/9/2022 1:38:38 AM	65437
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	2/9/2022 1:51:02 AM	65437
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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

WO#: 2202153

11-Feb-22

Client: EOG
Project: Mallard

Sample ID: MB-65426	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 65426	RunNo: 85698								
Prep Date: 2/8/2022	Analysis Date: 2/8/2022	SeqNo: 3017164	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-65426	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 65426	RunNo: 85698								
Prep Date: 2/8/2022	Analysis Date: 2/8/2022	SeqNo: 3017165	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.8	90	110			

Sample ID: MB-65437	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 65437	RunNo: 85698								
Prep Date: 2/8/2022	Analysis Date: 2/8/2022	SeqNo: 3017196	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-65437	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 65437	RunNo: 85698								
Prep Date: 2/8/2022	Analysis Date: 2/8/2022	SeqNo: 3017197	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.9	90	110			

Qualifiers:

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

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

WO#: 2202153

11-Feb-22

Client: EOG
Project: Mallard

Sample ID: LCS-65396	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 65396		RunNo: 85689							
Prep Date: 2/7/2022	Analysis Date: 2/8/2022		SeqNo: 3016913		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	90.6	68.9	135			
Surr: DNOP	4.1		5.000		81.8	51.1	141			

Sample ID: LCS-65400	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 65400		RunNo: 85689							
Prep Date: 2/7/2022	Analysis Date: 2/8/2022		SeqNo: 3016915		Units: mg/Kg					
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: MB-65396	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 65396		RunNo: 85689							
Prep Date: 2/7/2022	Analysis Date: 2/8/2022		SeqNo: 3016916		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.0		10.00		89.9	51.1	141			

Sample ID: MB-65400	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 65400		RunNo: 85689							
Prep Date: 2/7/2022	Analysis Date: 2/8/2022		SeqNo: 3016918		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.3		10.00		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#: 2202153

11-Feb-22

Client: EOG
Project: Mallard

Sample ID: mb-65387	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 65387	RunNo: 85651								
Prep Date: 2/4/2022	Analysis Date: 2/7/2022	SeqNo: 3015358	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1300		1000		127	70	130			

Sample ID: lcs-65387	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 65387	RunNo: 85651								
Prep Date: 2/4/2022	Analysis Date: 2/7/2022	SeqNo: 3015359	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	101	78.6	131			
Surr: BFB	1200		1000		123	70	130			

Qualifiers:

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

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

WO#: 2202153

11-Feb-22

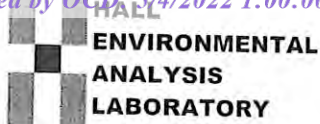
Client: EOG
Project: Mallard

Sample ID: mb-65387	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 65387	RunNo: 85651								
Prep Date: 2/4/2022	Analysis Date: 2/7/2022	SeqNo: 3015392	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.2		1.000		118	70	130			

Sample ID: LCS-65387	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 65387	RunNo: 85651								
Prep Date: 2/4/2022	Analysis Date: 2/7/2022	SeqNo: 3015393	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.025	1.000	0	98.2	80	120			
Toluene	1.0	0.050	1.000	0	100	80	120			
Ethylbenzene	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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		



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

Sample Log-In Check List

Client Name: EOG

Work Order Number: 2202153

RcptNo: 1

Received By: Cheyenne Cason 2/3/2022 1:27:00 PM

Completed By: Cheyenne Cason 2/3/2022 2:44:10 PM

Reviewed By: DAD 02/03/22

Chain of Custody

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

Log In

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

Special Handling (if applicable)

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

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

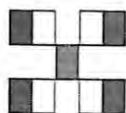
16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.3	Good	Not Present			

Chain-of-Custody Record

Client: <u>EOG</u>		Turn-Around Time: <u>5- Day</u>	
Mailing Address: <u>on file</u>		<input checked="" type="checkbox"/> Standard <input checked="" type="checkbox"/> Rush Project Name: <u>Marlard</u>	
Phone #: _____		Project #: <u>22E-00123-008</u>	
email or Fax#: _____		Project Manager: <u>Monica Reppin</u>	
QA/QC Package: _____		Sampler: <u>Chance Dixon</u>	
<input type="checkbox"/> Standard <input type="checkbox"/> Level 4 (Full Validation)		On Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Accreditation: <input type="checkbox"/> Az Compliance <input type="checkbox"/> NELAC <input type="checkbox"/> Other _____		# of Coolers: <u>1</u> <u>14-0121.3</u>	
<input type="checkbox"/> EDD (Type) _____		Cooler Temp (including CF): <u>14-1.321</u> (°C)	
Date	Time	Matrix	Sample Name
2/1	9:30	SOI	BH22-45 9'
	9:35		BH22-45 12'
	9:40		BH22-46 9'
	9:45		BH22-46 12'
	11:30		BH22-49 0'
	11:35		BH22-49 3'
	11:40		BH22-49 6'
	11:45		BH22-50 0'
	11:50		BH22-50 3'
	11:55		BH22-50 6'
	12:00		BH22-51 0'
	12:05		BH22-51 3'
Date:	Time:	Relinquished by:	Received by:
2/1/22	1:00	<u>Chance Dixon</u>	<u>Chance Dixon</u>
Date:	Time:	Relinquished by:	Received by:
2/1/22	1:00	<u>Chance Dixon</u>	<u>Chance Dixon</u>



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	BCRA 8 Metals	Cl, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Remarks: CC: Chance DixonDirect 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 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 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 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	4300	150		mg/Kg	50	2/10/2022 5:07:45 AM	65437
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	2200	60		mg/Kg	20	2/9/2022 4:19:59 AM	65437
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1500	59		mg/Kg	20	2/9/2022 4:32:24 AM	65437
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1100	60		mg/Kg	20	2/9/2022 4:44:48 AM	65437
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	470	60		mg/Kg	20	2/9/2022 4:57:13 AM	65437
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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 2202251

Date Reported: 2/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: BH22-54 12'

Project: Mallard

Collection Date: 2/2/2022 8:25:00 AM

Lab ID: 2202251-006

Matrix: SOIL

Received Date: 2/5/2022 8:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	280	60		mg/Kg	20	2/9/2022 5:09:38 AM	65437
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	1200	60		mg/Kg	20	2/9/2022 3:28:54 PM	65445
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	810	60		mg/Kg	20	2/9/2022 4:55:45 PM	65445
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	110	61		mg/Kg	20	2/9/2022 5:32:59 PM	65445
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	2/9/2022 5:45:24 PM	65445
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	280	60		mg/Kg	20	2/9/2022 10:05:56 PM	65463
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	210	60		mg/Kg	20	2/9/2022 10:18:21 PM	65463
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	59		mg/Kg	20	2/9/2022 10:30:45 PM	65463
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 2202251

Date Reported: 2/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: BH22-57 3'

Project: Mallard

Collection Date: 2/2/2022 9:05:00 AM

Lab ID: 2202251-014

Matrix: SOIL

Received Date: 2/5/2022 8:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	1900	60		mg/Kg	20	2/9/2022 10:43:09 PM	65463
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	1400	60		mg/Kg	20	2/10/2022 8:55:25 PM	65489
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 2202251

Date Reported: 2/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: BH22-58 0'

Project: Mallard

Collection Date: 2/2/2022 9:15:00 AM

Lab ID: 2202251-016

Matrix: SOIL

Received Date: 2/5/2022 8:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	2/10/2022 9:57:28 PM	65489
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
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
EPA METHOD 8021B: VOLATILES							Analyst: RAA
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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	1600	60		mg/Kg	20	2/10/2022 10:09:53 PM	65489
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
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
EPA METHOD 8021B: VOLATILES							Analyst: RAA
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	1000	60		mg/Kg	20	2/10/2022 10:22:17 PM	65489
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
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
EPA METHOD 8021B: VOLATILES							Analyst: RAA
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.

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: MB-65437	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 65437	RunNo: 85698								
Prep Date: 2/8/2022	Analysis Date: 2/8/2022	SeqNo: 3017196 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-65437	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 65437	RunNo: 85698								
Prep Date: 2/8/2022	Analysis Date: 2/8/2022	SeqNo: 3017197 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.9	90	110			

Sample ID: MB-65445	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 65445	RunNo: 85731								
Prep Date: 2/9/2022	Analysis Date: 2/9/2022	SeqNo: 3018231 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-65445	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 65445	RunNo: 85731								
Prep Date: 2/9/2022	Analysis Date: 2/9/2022	SeqNo: 3018232 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.8	90	110			

Sample ID: MB-65463	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 65463	RunNo: 85731								
Prep Date: 2/9/2022	Analysis Date: 2/9/2022	SeqNo: 3018265 Units: mg/Kg								
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: LCS-65463	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 65463	RunNo: 85731								
Prep Date: 2/9/2022	Analysis Date: 2/9/2022	SeqNo: 3018266 Units: mg/Kg								
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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting 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: LCS-65463	SampType: lcs			TestCode: EPA Method 300.0: Anions						
Client ID: LCSS	Batch ID: 65463			RunNo: 85731						
Prep Date: 2/9/2022	Analysis Date: 2/9/2022			SeqNo: 3018266		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.1	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: MB-65489	SampType: mbk			TestCode: EPA Method 300.0: Anions						
Client ID: PBS	Batch ID: 65489			RunNo: 85766						
Prep Date: 2/10/2022	Analysis Date: 2/10/2022			SeqNo: 3019617		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-65489	SampType: lcs			TestCode: EPA Method 300.0: Anions						
Client ID: LCSS	Batch ID: 65489			RunNo: 85766						
Prep Date: 2/10/2022	Analysis Date: 2/10/2022			SeqNo: 3019618		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	90.4	90	110			

Qualifiers:

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

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

WO#: 2202251

15-Feb-22

Client: EOG
Project: Mallard

Sample ID: LCS-65399	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 65399	RunNo: 85689								
Prep Date: 2/7/2022	Analysis Date: 2/8/2022	SeqNo: 3016914 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	10	50.00	0	83.6	68.9	135			
Surr: DNOP	3.7		5.000		73.3	51.1	141			

Sample ID: LCS-65400	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 65400	RunNo: 85689								
Prep Date: 2/7/2022	Analysis Date: 2/8/2022	SeqNo: 3016915 Units: mg/Kg								
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: MB-65399	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 65399	RunNo: 85689								
Prep Date: 2/7/2022	Analysis Date: 2/8/2022	SeqNo: 3016917 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		114	51.1	141			

Sample ID: MB-65400	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 65400	RunNo: 85689								
Prep Date: 2/7/2022	Analysis Date: 2/8/2022	SeqNo: 3016918 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.3		10.00		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: mb-65397	SampType: MBLK				TestCode: EPA Method 8015D: Gasoline Range					
Client ID: PBS	Batch ID: 65397				RunNo: 85685					
Prep Date: 2/7/2022	Analysis Date: 2/8/2022				SeqNo: 3016649	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1200		1000		122	70	130			

Sample ID: lcs-65397	SampType: LCS				TestCode: EPA Method 8015D: Gasoline Range					
Client ID: LCSS	Batch ID: 65397				RunNo: 85685					
Prep Date: 2/7/2022	Analysis Date: 2/8/2022				SeqNo: 3016650	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	29	5.0	25.00	0	115	78.6	131			
Surr: BFB	1300		1000		134	70	130			S

Sample ID: lcs-65402	SampType: LCS				TestCode: EPA Method 8015D: Gasoline Range					
Client ID: LCSS	Batch ID: 65402				RunNo: 85687					
Prep Date: 2/7/2022	Analysis Date: 2/8/2022				SeqNo: 3016794	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	104	78.6	131			
Surr: BFB	1100		1000		110	70	130			

Sample ID: mb-65402	SampType: MBLK				TestCode: EPA Method 8015D: Gasoline Range					
Client ID: PBS	Batch ID: 65402				RunNo: 85687					
Prep Date: 2/7/2022	Analysis Date: 2/8/2022				SeqNo: 3016795	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		102	70	130			

Qualifiers:

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

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

WO#: 2202251

15-Feb-22

Client: EOG
Project: Mallard

Sample ID: mb-65397	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 65397	RunNo: 85685								
Prep Date: 2/7/2022	Analysis Date: 2/8/2022	SeqNo: 3016691 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.2		1.000		116	70	130			

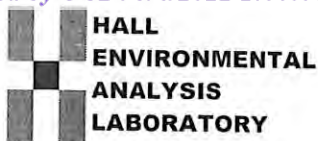
Sample ID: LCS-65397	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 65397	RunNo: 85685								
Prep Date: 2/7/2022	Analysis Date: 2/8/2022	SeqNo: 3016692 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.025	1.000	0	97.7	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: lcs-65402	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 65402	RunNo: 85687								
Prep Date: 2/7/2022	Analysis Date: 2/8/2022	SeqNo: 3016924 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	101	80	120			
Toluene	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: mb-65402	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 65402	RunNo: 85687								
Prep Date: 2/7/2022	Analysis Date: 2/8/2022	SeqNo: 3016925 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.95		1.000		94.5	70	130			

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

Sample Log-In Check List

Client Name: EOG

Work Order Number: 2202251

RcptNo: 1

Received By: Cheyenne Cason 2/5/2022 8:50:00 AM

Completed By: Cheyenne Cason 2/5/2022 9:04:20 AM

Reviewed By: *AM 02/05/2022*

Chain of Custody

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

Log In

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

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by *me 2/5/22*

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	0.0	Good	Not Present			

Chain-of-Custody Record

Client:

EOD

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 #:

ZZE-00123-008

Project Manager:

Monica Pedrin

Sampler: Chance DixonOn Ice: ☒ Yes ☐ No

of Coolers: 1

Cooler Temp (including CFI): 0.1 - 0.1 = 0.0 (°C)

Container Type and #

Preservative Type

HEAL No.

BTEX / MTBE / TMB's (8021)

TPH:8015D(GRO / DRO / MRO)

8081 Pesticides/8082 PCB's

EDB (Method 504.1)

PAHs by 8310 or 8270SIMS

RCRA 8 Metals

Cl, F, Br, NO₃, NO₂, PO₄, SO₄

8260 (VOA)

8270 (Semi-VOA)

Total Coliform (Present/Absent)

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
2/2	8:00	SO,1	BH22-53 0'	402	ICE	001	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	8:05		BH22-53 6'			002	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	8:10		BH22-53 12'			003	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	8:15		BH22-54 0'			004	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	8:20		BH22-54 6'			005	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
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	8:30		BH22-55 0'			007	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	8:35		BH22-55 6'			008	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	8:40		BH22-55 12'			009	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	8:45		BH22-56 0'			010	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	8:50		BH22-56 3'			011	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	8:55		BH22-56 6'			012	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Received by:

Via:

Date Time

Remarks:

Received by:

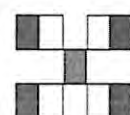
Via:

Date Time

Remarks:

CC: Chance Dixon

Direct B771 EOG


**HALL ENVIRONMENTAL
ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

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:

Monica Pepin

Sampler: Chance Dixon

On Ice:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
---------	---	-----------------------------

of Coolers: 1

Cooler Temp.(including CF): 0.1 - 0.1 = 0.0 (°C)

Container Type and #	Preservative Type	HEAL No.
		2202251

402	ICC	013
-----	-----	-----

0.1	1	
-----	---	--

[illegible][illegible]

6318

Received by:	Via:	Date	Time
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Received by:	Via:	Date	Time

Remarks: CC: Charge Nixon

Direct B, 71 E04

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 ₃ , NO ₂ , PO ₄ , SO ₄
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

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 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
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	3/11/2022 4:01:44 AM	66100
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
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
EPA METHOD 8021B: VOLATILES							Analyst: RAA
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	110	60		mg/Kg	20	3/11/2022 4:38:57 AM	66100
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
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
EPA METHOD 8021B: VOLATILES							Analyst: RAA
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	81	60		mg/Kg	20	3/11/2022 4:51:21 AM	66100
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
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
EPA METHOD 8021B: VOLATILES							Analyst: RAA
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	83	60		mg/Kg	20	3/11/2022 5:03:46 AM	66100
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
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
EPA METHOD 8021B: VOLATILES							Analyst: RAA
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	170	60		mg/Kg	20	3/11/2022 5:40:59 AM	66100
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
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
EPA METHOD 8021B: VOLATILES							Analyst: RAA
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	190	60		mg/Kg	20	3/11/2022 5:53:23 AM	66100
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
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
EPA METHOD 8021B: VOLATILES							Analyst: RAA
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	380	60		mg/Kg	20	3/11/2022 6:05:47 AM	66100
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
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
EPA METHOD 8021B: VOLATILES							Analyst: RAA
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1600	60		mg/Kg	20	3/11/2022 6:18:12 AM	66100
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
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
EPA METHOD 8021B: VOLATILES							Analyst: RAA
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	510	61		mg/Kg	20	3/11/2022 6:30:36 AM	66100
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
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
EPA METHOD 8021B: VOLATILES							Analyst: RAA
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	1500	60		mg/Kg	20	3/11/2022 4:04:55 PM	66119
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
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
EPA METHOD 8021B: VOLATILES							Analyst: RAA
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	4800	150		mg/Kg	50	3/14/2022 3:07:55 PM	66119
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
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
EPA METHOD 8021B: VOLATILES							Analyst: RAA
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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	ND	60		mg/Kg	20	3/11/2022 5:43:41 PM	66119
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
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
EPA METHOD 8021B: VOLATILES							Analyst: RAA
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	1300	60		mg/Kg	20	3/11/2022 5:56:02 PM	66119
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
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
EPA METHOD 8021B: VOLATILES							Analyst: RAA
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	980	60		mg/Kg	20	3/11/2022 6:08:23 PM	66119
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
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
EPA METHOD 8021B: VOLATILES							Analyst: RAA
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	ND	61		mg/Kg	20	3/11/2022 6:20:44 PM	66119
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
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
EPA METHOD 8021B: VOLATILES							Analyst: RAA
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	ND	60		mg/Kg	20	3/11/2022 6:33:04 PM	66119
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
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
EPA METHOD 8021B: VOLATILES							Analyst: RAA
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	120	60		mg/Kg	20	3/11/2022 6:45:25 PM	66119
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
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
EPA METHOD 8021B: VOLATILES							Analyst: RAA
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	200	59		mg/Kg	20	3/11/2022 6:57:45 PM	66119
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	100	60		mg/Kg	20	3/11/2022 10:52:43 AM	66120
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	2000	60		mg/Kg	20	3/11/2022 11:29:56 AM	66120
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	1500	60		mg/Kg	20	3/11/2022 11:42:20 AM	66120
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	2100	60		mg/Kg	20	3/11/2022 11:54:44 AM	66120
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	5700	300		mg/Kg	100	3/15/2022 12:25:12 PM	66120
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	5500	300		mg/Kg	100	3/15/2022 12:37:33 PM	66120
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	1700	60		mg/Kg	20	3/11/2022 12:56:46 PM	66120
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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

WO#: 2203351

18-Mar-22

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

Sample ID: MB-66100	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 66100	RunNo: 86387								
Prep Date: 3/10/2022	Analysis Date: 3/10/2022	SeqNo: 3047846 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-66100	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 66100	RunNo: 86387								
Prep Date: 3/10/2022	Analysis Date: 3/10/2022	SeqNo: 3047847 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.9	90	110			

Sample ID: MB-66120	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 66120	RunNo: 86445								
Prep Date: 3/11/2022	Analysis Date: 3/11/2022	SeqNo: 3049838 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-66120	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 66120	RunNo: 86445								
Prep Date: 3/11/2022	Analysis Date: 3/11/2022	SeqNo: 3049839 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.4	90	110			

Sample ID: MB-66119	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 66119	RunNo: 86446								
Prep Date: 3/11/2022	Analysis Date: 3/11/2022	SeqNo: 3049910 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-66119	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 66119	RunNo: 86446								
Prep Date: 3/11/2022	Analysis Date: 3/11/2022	SeqNo: 3049911 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.7	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting 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: LCS-66002	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 66002	RunNo: 86343								
Prep Date: 3/7/2022	Analysis Date: 3/8/2022	SeqNo: 3045218 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	93.1	68.9	135			
Surr: DNOP	4.9		5.000		97.3	51.1	141			

Sample ID: MB-66002	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 66002	RunNo: 86343								
Prep Date: 3/7/2022	Analysis Date: 3/8/2022	SeqNo: 3045226 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		100	51.1	141			

Sample ID: MB-66027	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 66027	RunNo: 86364								
Prep Date: 3/8/2022	Analysis Date: 3/9/2022	SeqNo: 3045932 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		104	51.1	141			

Sample ID: MB-66028	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 66028	RunNo: 86364								
Prep Date: 3/8/2022	Analysis Date: 3/9/2022	SeqNo: 3045933 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.9		10.00		98.9	51.1	141			

Sample ID: LCS-66027	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 66027	RunNo: 86364								
Prep Date: 3/8/2022	Analysis Date: 3/9/2022	SeqNo: 3045935 Units: mg/Kg								
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.	B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix	E Estimated value
H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
ND Not Detected at the Reporting 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: LCS-66028	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 66028			RunNo: 86364						
Prep Date: 3/8/2022	Analysis Date: 3/9/2022			SeqNo: 3045936		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	97.3	68.9	135			
Surr: DNOP	4.6		5.000		92.9	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		

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

WO#: 2203351

18-Mar-22

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

Sample ID: ics-65994	SampType: LCS				TestCode: EPA Method 8015D: Gasoline Range					
Client ID: LCSS	Batch ID: 65994				RunNo: 86374					
Prep Date: 3/7/2022	Analysis Date: 3/9/2022				SeqNo: 3046269	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	108	78.6	131			
Surr: BFB	1200		1000		119	70	130			

Sample ID: mb-65994	SampType: MBLK				TestCode: EPA Method 8015D: Gasoline Range					
Client ID: PBS	Batch ID: 65994				RunNo: 86374					
Prep Date: 3/7/2022	Analysis Date: 3/9/2022				SeqNo: 3046270	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		104	70	130			

Sample ID: mb-65996	SampType: MBLK				TestCode: EPA Method 8015D: Gasoline Range					
Client ID: PBS	Batch ID: 65996				RunNo: 86398					
Prep Date: 3/7/2022	Analysis Date: 3/10/2022				SeqNo: 3047554	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		104	70	130			

Sample ID: ics-65996	SampType: LCS				TestCode: EPA Method 8015D: Gasoline Range					
Client ID: LCSS	Batch ID: 65996				RunNo: 86398					
Prep Date: 3/7/2022	Analysis Date: 3/10/2022				SeqNo: 3047555	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	100	78.6	131			
Surr: BFB	1200		1000		119	70	130			

Qualifiers:

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

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

WO#: 2203351

18-Mar-22

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

Sample ID: lcs-65994	SampType: LCS			TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch ID: 65994			RunNo: 86374						
Prep Date: 3/7/2022	Analysis Date: 3/9/2022			SeqNo: 3046322		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	92.8	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			

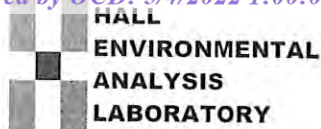
Sample ID: mb-65994	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch ID: 65994			RunNo: 86374						
Prep Date: 3/7/2022	Analysis Date: 3/9/2022			SeqNo: 3046323		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.90		1.000		89.9	70	130			

Sample ID: mb-65996	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch ID: 65996			RunNo: 86398						
Prep Date: 3/7/2022	Analysis Date: 3/10/2022			SeqNo: 3047602		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.96		1.000		96.0	70	130			

Sample ID: LCS-65996	SampType: LCS			TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch ID: 65996			RunNo: 86398						
Prep Date: 3/7/2022	Analysis Date: 3/10/2022			SeqNo: 3047603		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	1.000	0	89.9	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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		



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

Sample Log-In Check List

Client Name: 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: *CNC* 3/5/22

Chain of Custody

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

Log In

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

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by: *KPA 3/5/22*

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 $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.4	Good	Not Present			
2	0.7	Good	Not Present			
3	4.0	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:

☒ 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 Check 10 (°C)

Date Time Matrix Sample Name

3/3 10:00 Soil BH22-01 0-4'

BH22-02 0-4'

BH22-03 0-4'

BH22-04 0-4'

BH22-05 0-4'

BH22-06 0-4'

BH22-07 0-4'

BH22-08 0-4'

BH22-09 0-4'

BH22-10 0-4'

BH22-11 0-4'

BH22-12 0-4'

Date:

Relinquished by:

Received by:

Date

Remarks:

Date:

Relinquished by:

Received by:

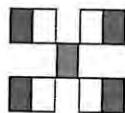
Date

Remarks:

direct bill EOG

Ch cam 3/3/22 0555

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

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

TPH:8015D(GRO / DRO / MRO)	
8081 Pesticides/8082 PCB's	
EDB (Method 504.1)	
PAHs by 8310 or 8270SIMS	
RCRA 8 Metals	
CF, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄	
8260 (VOA)	
8270 (Semi-VOA)	
Total Coliform (Present/Absent)	

BTX/ MTBE / TMB's (8021)

✓

✓

✓

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HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Chain-of-Custody Record				Turn-Around Time:		
Client: _____				<input checked="" type="checkbox"/> Standard <input checked="" type="checkbox"/> Rush <u>5 Day</u>		
Mailing Address: <u>EOG</u>				Project Name: _____		
				<u>Mallard HM Fee Battery</u>		
Phone #: _____				Project #: _____		
email or Fax#: _____				<u>22E-00123-08</u>		
QA/QC Package: _____				Project Manager: _____		
<input type="checkbox"/> Standard <input type="checkbox"/> Level 4 (Full Validation)				<u>Monica Peppin</u>		
Accreditation: <input type="checkbox"/> Az Compliance				Sampler: <u>Sally Carttar</u>		
<input type="checkbox"/> NELAC <input type="checkbox"/> Other _____				On Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
<input type="checkbox"/> EDD (Type) _____				# of Coolers: <u>3</u>		
				Cooler Temp (including CF): <u>See Check 13</u> (°C)		
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
3/3	10:00	Soil	BH22-25 0-4'	4oz jar	ice	2203351
Date:	Time:	Relinquished by:		Received by:	Via:	Date Time
3/4/22	1900	[Signature]		[Signature]		3/4/22 945
Date:	Time:	Relinquished by:		Received by:	Via:	Date Time
3/8/22	1900	[Signature]		[Signature]		3/8/22 1900

direct bill toen

Remarks:



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: 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 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", with a stylized flourish at the end.

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
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	2200	150		mg/Kg	50	3/16/2022 4:45:27 PM	66173
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
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
EPA METHOD 8021B: VOLATILES							Analyst: RAA
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.

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		

Page 1 of 4

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

WO#: 2203505

17-Mar-22

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

Sample ID: MB-66115	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 66115	RunNo: 86435								
Prep Date: 3/11/2022	Analysis Date: 3/14/2022	SeqNo: 3049507	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.1		10.00		80.6	51.1	141			

Sample ID: LCS-66115	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 66115	RunNo: 86435								
Prep Date: 3/11/2022	Analysis Date: 3/14/2022	SeqNo: 3049508	Units: mg/Kg							
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

Page 2 of 4

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

WO#: 2203505

17-Mar-22

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

Sample ID: lcs-66062	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 66062			RunNo: 86409						
Prep Date: 3/9/2022	Analysis Date: 3/11/2022			SeqNo: 3049016		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	29	5.0	25.00	0	118	78.6	131			
Surr: BFB	2300		1000		231	70	130			S

Sample ID: mb-66062	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 66062			RunNo: 86409						
Prep Date: 3/9/2022	Analysis Date: 3/11/2022			SeqNo: 3049017		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		101	70	130			

Qualifiers:

* Value exceeds Maximum Contaminant 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: lcs-66062	SampType: LCS				TestCode: EPA Method 8021B: Volatiles					
Client ID: LCSS	Batch ID: 66062				RunNo: 86409					
Prep Date: 3/9/2022	Analysis Date: 3/11/2022				SeqNo: 3049056	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.025	1.000	0	92.4	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: mb-66062	SampType: MBLK				TestCode: EPA Method 8021B: Volatiles					
Client ID: PBS	Batch ID: 66062				RunNo: 86409					
Prep Date: 3/9/2022	Analysis Date: 3/11/2022				SeqNo: 3049057	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.89		1.000		89.0	70	130			

Qualifiers:

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



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

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by: *J23/9/22*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 $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.5	Good				
2	2.9	Good				

**HALL ENVIRONMENTAL
ANALYSIS LABORATORY**

www.hallenvironmental.com

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

Analysis Request

[illegible]

direct bill EOG

Remarks:

Received by:	Via:	Date	Time
<i>[Signature]</i>		3/8/22	10:45
<i>[Signature]</i>	CONF	3/8/22	8:00

Date:	Time:	Relinquished by:
Date:	Time:	Relinquished by:

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 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 horizontal line.

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
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	290	60		mg/Kg	20	3/15/2022 2:03:18 PM	66175
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	980	60		mg/Kg	20	3/15/2022 2:40:31 PM	66175
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	330	60		mg/Kg	20	3/15/2022 2:52:56 PM	66175
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	2100	60		mg/Kg	20	3/15/2022 3:05:20 PM	66175
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	640	59		mg/Kg	20	3/15/2022 3:17:44 PM	66175
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	3100	150		mg/Kg	50	3/16/2022 10:32:57 PM	66175
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	610	60		mg/Kg	20	3/15/2022 4:07:23 PM	66175
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	2800	150		mg/Kg	50	3/16/2022 10:45:22 PM	66175
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	600	60		mg/Kg	20	3/15/2022 4:32:11 PM	66175
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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 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
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	500	60		mg/Kg	20	3/15/2022 4:44:36 PM	66175
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	1700	60		mg/Kg	20	3/15/2022 4:57:00 PM	66175
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	2800	150		mg/Kg	50	3/16/2022 10:57:47 PM	66175
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	7300	300		mg/Kg	100	3/16/2022 3:18:33 PM	66173
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	100	60		mg/Kg	20	3/15/2022 2:27:53 PM	66173
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	290	60		mg/Kg	20	3/15/2022 2:40:18 PM	66173
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	5200	300		mg/Kg	100	3/16/2022 3:30:58 PM	66173
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	300	60		mg/Kg	20	3/15/2022 3:05:07 PM	66173
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
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
EPA METHOD 8021B: VOLATILES							Analyst: RAA
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.

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

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Analytical Report

Lab Order 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
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	2300	150		mg/Kg	50	3/16/2022 3:43:23 PM	66173
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
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
EPA METHOD 8021B: VOLATILES							Analyst: RAA
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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	2000	150		mg/Kg	50	3/16/2022 3:55:48 PM	66173
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
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
EPA METHOD 8021B: VOLATILES							Analyst: RAA
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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	2600	150		mg/Kg	50	3/18/2022 12:18:40 AM	66173
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
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
EPA METHOD 8021B: VOLATILES							Analyst: RAA
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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	580	60		mg/Kg	20	3/15/2022 4:19:34 PM	66173
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
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
EPA METHOD 8021B: VOLATILES							Analyst: RAA
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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	670	60		mg/Kg	20	3/15/2022 4:31:58 PM	66173
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
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
EPA METHOD 8021B: VOLATILES							Analyst: RAA
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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	840	60		mg/Kg	20	3/15/2022 4:44:22 PM	66173
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
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
EPA METHOD 8021B: VOLATILES							Analyst: RAA
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.

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#: 2203498

23-Mar-22

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

Sample ID: MB-66175	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 66175	RunNo: 86472								
Prep Date: 3/15/2022	Analysis Date: 3/15/2022	SeqNo: 3052388 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-66175	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 66175	RunNo: 86472								
Prep Date: 3/15/2022	Analysis Date: 3/15/2022	SeqNo: 3052390 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	90.6	90	110			

Sample ID: MB-66173	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 66173	RunNo: 86503								
Prep Date: 3/15/2022	Analysis Date: 3/15/2022	SeqNo: 3052468 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-66173	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 66173	RunNo: 86503								
Prep Date: 3/15/2022	Analysis Date: 3/15/2022	SeqNo: 3052469 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.9	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting 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: LCS-66078	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 66078			RunNo: 86412						
Prep Date: 3/10/2022	Analysis Date: 3/11/2022			SeqNo: 3048356	Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.0		5.000		101	51.1	141			

Sample ID: MB-66079	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 66079			RunNo: 86415						
Prep Date: 3/10/2022	Analysis Date: 3/11/2022			SeqNo: 3048560	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		103	51.1	141			

Sample ID: MB-66080	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 66080			RunNo: 86415						
Prep Date: 3/10/2022	Analysis Date: 3/11/2022			SeqNo: 3048561	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		100	51.1	141			

Sample ID: LCS-66079	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 66079			RunNo: 86415						
Prep Date: 3/10/2022	Analysis Date: 3/11/2022			SeqNo: 3048562	Units: mg/Kg					
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: LCS-66080	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 66080			RunNo: 86415						
Prep Date: 3/10/2022	Analysis Date: 3/11/2022			SeqNo: 3048563	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	87.5	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: MB-66115	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 66115	RunNo: 86435								
Prep Date: 3/11/2022	Analysis Date: 3/14/2022	SeqNo: 3049507	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.1		10.00		80.6	51.1	141			

Sample ID: LCS-66115	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 66115	RunNo: 86435								
Prep Date: 3/11/2022	Analysis Date: 3/14/2022	SeqNo: 3049508	Units: mg/Kg							
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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting 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: lcs-66062	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 66062			RunNo: 86409						
Prep Date: 3/9/2022	Analysis Date: 3/11/2022			SeqNo: 3049016		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	29	5.0	25.00	0	118	78.6	131			
Surr: BFB	2300		1000		231	70	130			S

Sample ID: mb-66062	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 66062			RunNo: 86409						
Prep Date: 3/9/2022	Analysis Date: 3/11/2022			SeqNo: 3049017		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		101	70	130			

Sample ID: mb-66061	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 66061			RunNo: 86431						
Prep Date: 3/9/2022	Analysis Date: 3/12/2022			SeqNo: 3049200		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		107	70	130			

Sample ID: lcs-66061	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 66061			RunNo: 86431						
Prep Date: 3/9/2022	Analysis Date: 3/12/2022			SeqNo: 3049201		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	98.3	78.6	131			
Surr: BFB	2100		1000		214	70	130			S

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#: 2203498

23-Mar-22

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

Sample ID: lcs-66062	SampType: LCS			TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch ID: 66062			RunNo: 86409						
Prep Date: 3/9/2022	Analysis Date: 3/11/2022			SeqNo: 3049056		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.025	1.000	0	92.4	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: mb-66062	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch ID: 66062			RunNo: 86409						
Prep Date: 3/9/2022	Analysis Date: 3/11/2022			SeqNo: 3049057		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.89		1.000		89.0	70	130			

Sample ID: mb-66061	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch ID: 66061			RunNo: 86431						
Prep Date: 3/9/2022	Analysis Date: 3/12/2022			SeqNo: 3049285		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.97		1.000		97.2	70	130			

Sample ID: LCS-66061	SampType: LCS			TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch ID: 66061			RunNo: 86431						
Prep Date: 3/9/2022	Analysis Date: 3/12/2022			SeqNo: 3049286		Units: mg/Kg				
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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting 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		



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

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by: *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 $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.5	Good				
2	2.9	Good				

Chain-of-Custody Record

Client: EoGMailing Address: on file

Phone #:

email or Fax#:

QA/QC Package:

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

Project Manager:

Monica Peppin

Sampler: Sally CarthurOn Ice: ☒ Yes ☐ No# of Coolers: 2Cooler Temp (including CFI): 0.5 ± 0.5 (°C)

Container Type and #

Preservative Type

HEAL No.

2203449

001

002

003

004

005

006

007

008

009

010

011

012

Date: 3/4Time: 10:00

Relinquished by:

Date: 3/4/22Time: 10:00Date: 3/4/22Time: 11:00

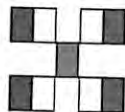
Relinquished by:

Date: 3/4/22Time: 8:00

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

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

TPH:8015D(GRO / DRO / MRO)	<input checked="" type="checkbox"/>
8081 Pesticides/8082 PCB's	
EDB (Method 504.1)	
PAHs by 8310 or 8270SIMS	
RCRA 8 Metals	
CF, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄	<input checked="" type="checkbox"/>
8260 (VOA)	
8270 (Semi-VOA)	
Total Coliform (Present/Absent)	

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