

Incident ID	nAPP2301854079
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: Chase Settle Title: Rep Safety & Environmental Sr

Signature: Chase Settle Date: 02/28/2023

email: Chase\_Settle@eogresources.com Telephone: 575-748-1471

**OCD Only**

Received by: Jocelyn Harimon Date: 02/28/2023

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: Robert Hamlet Date: 7/14/2023

Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced



## **SITE CHARACTERIZATION, REMEDIATION, AND CLOSURE REPORT**

**MOBIL CI #7  
UNIT J, SECTION 6, T19S-R25E  
EDDY COUNTY, NEW MEXICO  
32.687544, -104.521001  
RANGER REFERENCE NO. 5375**

### **PREPARED FOR:**

**EOG RESOURCES, INC.  
ARTESIA DIVISION  
104 S 4TH STREET  
ARTESIA, NEW MEXICO 88210**

### **PREPARED BY:**

**RANGER ENVIRONMENTAL SERVICES, LLC  
P.O. BOX 201179  
AUSTIN, TEXAS 78720**

**FEBRUARY 28, 2023**

A blue ink signature of Patrick K. Finn, consisting of a stylized 'P' followed by a cursive 'K' and 'Finn'.

**Patrick K. Finn, P.G. (TX)  
Project Geoscientist**

A blue ink signature of William Kierdorf, consisting of a stylized 'W' followed by a cursive 'Kierdorf'.

**William Kierdorf, REM  
Project Manager**

## TABLE OF CONTENTS

---

<b>1.0</b>	<b>SITE LOCATION AND BACKGROUND .....</b>	<b>1</b>
<b>2.0</b>	<b>SITE CHARACTERIZATION .....</b>	<b>1</b>
2.1	Depth-to-Groundwater .....	1
2.2	Wellhead Protection Area .....	2
2.3	Distance to Nearest Significant Watercourse .....	2
2.4	Closure Criteria.....	2
<b>3.0</b>	<b>SITE ASSESSMENT, REMEDIATION, AND CONFIRMATION SAMPLING .....</b>	<b>3</b>
3.1	Initial Site Assessment .....	3
3.2	Site Remediation, NMOCD Notification, and Initial Cleanup Confirmation Sampling.....	4
3.3	Additional Excavation and Final Cleanup Confirmation Soil Sampling .....	5
3.4	Final Cleanup Confirmation Sample Results .....	6
3.5	Historic Drill Pit Location.....	6
3.6	Waste Disposal.....	6
<b>4.0</b>	<b>SITE CLOSURE .....</b>	<b>6</b>
4.1	Site Backfill and Re-seeding.....	6
4.2	Closure Request.....	6

### FORM C-141

#### FIGURES

- Topographic Map
- Area Map
- DTGW Information Location Map
- National Wetland Inventory Map
- FEMA Floodplain Map
- Karst Topography Map
- Howell Ranch Provided EM Survey Map
- Site Assessment Sample Location Map
- Excavation Assessment Sample Location Map
- Final Excavation Area and Confirmation Sample Location Map

#### TABLES

- Site Assessment Soil BTEX, TPH & Chloride Analytical Data
- Excavation Assessment Soil BTEX, TPH & Chloride Analytical Data
- Confirmation Soil Sample BTEX, TPH & Chloride Analytical Data

#### ATTACHMENTS

- Attachment 1 – Depth-to-Groundwater Data
- Attachment 2 – Photographic Documentation
- Attachment 3 – Laboratory Analytical Reports
- Attachment 4 – NMOCD Correspondence



**SITE CHARACTERIZATION, REMEDIATION, AND CLOSURE REPORT**  
**MOBIL CI #7**  
**UNIT J, SECTION 6, T19S-R25E**  
**EDDY COUNTY, NEW MEXICO**  
**32.687544, -104.521001**  
**RANGER REFERENCE NO. 5375**

## **1.0 SITE LOCATION AND BACKGROUND**

The Mobil CI #7 (Site) is located on private land, approximately 12.9 miles southwest of Artesia, within Eddy County, New Mexico. The facility is situated in Unit J, Section 6, T19S-R25E at GPS coordinates 32.687544, -104.521001. The well was operated by EOG Resources, Inc. (EOG) prior to the plugging and abandonment of the well.

Areas of concern located on the former Mobil CI #7 well pad were reported to EOG by representatives of the landowner, Howell Ranch Revocable Trust (Howell Ranch). EOG has engaged Ranger Environmental Services, LLC (Ranger) to assist in addressing the outstanding reclamation efforts at the Site.

On June 21, 2022, Ranger personnel and representatives for EOG conducted initial assessment activities at the reported areas of concern. The initial assessment field observations and soil sample analytical results documented the presence of slightly elevated and relatively minor soil chloride concentrations that were limited in extent and appeared to be most likely associated with a non-reportable historic release incident. However, during subsequent remedial operations at the site, as detailed below, a larger area and volume of soil impacts were documented to be present. Due to this, it was determined that the impacts could possibly have been associated with a reportable incident. As such, on January 18, 2023, the incident was reported to the New Mexico Oil Conservation Division (NMOCD Incident #nAPP2301854079).

The following *Site Characterization, Assessment, Remediation, and Closure Report* has been prepared to document the activities undertaken to address the soil impacts at the Site. The previously submitted Initial C-141 Form Release Notification, as well as the Site Assessment/Characterization and Closure sections of Form C-141, are attached. A *Topographic Map* and *Area Map* noting the location of the subject property and surrounding areas, and multiple site maps illustrating the site features, sampling locations, and excavation boundaries and depths are provided in the Figures section.

## **2.0 SITE CHARACTERIZATION**

### **2.1 Depth-to-Groundwater**

To determine the depth-to-groundwater in the vicinity of the Site, data available from the U.S. Geological Survey (USGS) and the New Mexico Office of the State Engineer (NMOSE) was reviewed. Based upon the reviewed data, water well information within a half-mile of the Site is

limited. One well identified on the NMOSE database (RA 05286-2A) was plotted within a half-mile of the Site. However, based on field reconnaissance it appears that the well location information is incorrect as no well was located in the reported area.

In May 2022, representatives for GHD and HCI Drilling installed a soil boring/temporary monitor well at a location within a half-mile of the subject site. The soil boring/temporary well was installed in order to obtain the NMOCD acceptable depth-to-groundwater information for an unrelated remediation project. The temporary monitor well was installed on May 6, 2022, at approximate GPS Coordinates 32.691051, -104.516799. The soil boring was drilled to a depth of approximately 109 feet bgs utilizing air rotary drilling techniques and a two-inch diameter temporary monitor well was installed. The monitor well was allowed to equilibrate for five days and was then gauged with a Solinst water level meter on May 11, 2022. The temporary monitor well was found to be dry, thus confirming that the area depth-to-groundwater is greater than 100 feet bgs. Upon completion of the depth-to-groundwater investigation activities, the temporary monitor well was properly plugged and abandoned.

Based upon the GHD depth-to-groundwater investigation results and the reviewed NMOSE information, the depth-to-groundwater in the area of the Site was confirmed to be greater than 100 feet bgs.

Copies of the reviewed depth-to-groundwater information and soil boring log completed by GHD are attached.

## **2.2 Wellhead Protection Area**

Based upon the USGS and NMOSE information as well as the field reconnaissance survey, there are no water wells present within a half-mile of the site.

Upon review of the National Wetland Inventory, the Site is not within 300 feet of a mapped feature.

The Site and impacted area are outside of the FEMA 100-year flood plain and fall in the area of minimal flood hazard.

The Site is noted to be in an area of "Medium Karst" probability.

## **2.3 Distance to Nearest Significant Watercourse**

Based upon available online resources, no significant watercourses are present within a half-mile of the Site.

## **2.4 Closure Criteria**

Based upon the site characterization details, the affected soils at the site were remediated to the Table 1 19.15.29.12 NMAC (groundwater >100 feet) criteria. In addition, the surface to four-foot depth interval was brought into compliance with the Restoration, Reclamation and Re-Vegetation criteria detailed in 19.15.29.13 NMAC. The closure criteria utilized for the site remediation activities are summarized below:

**SITE CLOSURE CRITERIA**

<b>REGULATORY STANDARD</b>	<b>CHLORIDE</b>	<b>TPH (GRO+DRO +MRO)</b>	<b>TPH (GRO+DRO)</b>	<b>BTEX</b>	<b>BENZENE</b>
19.15.29.12 NMAC Table 1 Closure Criteria for Soils Impacted by a Release (GW >100')	20,000	2,500	1,000	50	10
19.15.29.13 NMAC Restoration, Reclamation and Re-Vegetation (Soils 0'-4')	600	100 <sup>1</sup>	---	50 <sup>1</sup>	10 <sup>1</sup>

*All Values Presented in Parts Per Million (mg/Kg)*

1. Value derived from the State of New Mexico Energy, Minerals and Natural Resources Department document "Procedures for the Implementation of the Spill Rule" (19.15.29 NMAC) dated September 6, 2019.

### 3.0 SITE ASSESSMENT, REMEDIATION, AND CONFIRMATION SAMPLING

As previously stated, EOG was notified by representatives of Howell Ranch that two areas of concern at the former Mobil CI #7 well pad location had been identified (one southwest of the former wellhead location and one on the east/northeast side of the former wellhead location). The areas of concern were discovered during the completion of an electromagnetic conductivity survey (EM survey) completed by representatives of Howell Ranch. The information provided to EOG included the location information for the detected areas of concern and the equipment utilized to conduct the EM survey (EM-38 in vertical dipole orientation). Upon review of this information, it was noted that portions of the former pit area were included in the reported area of concern located to the east/northeast of the former well location .

#### 3.1 Initial Site Assessment

On June 21, 2022, Ranger personnel and representatives for EOG mobilized to the Site to conduct initial assessment activities at the reported areas of concern. A total of 13 test excavations were completed ("TH-1" through "TH-13"). The test excavation locations are illustrated on the attached "Site Assessment Sample Location Map."

During the test excavation installation process, Ranger personnel conducted field screening of the generated soils using an organic vapor monitor (OVM) and a field chloride titration kit to assist in evaluating the soil conditions and/or levels of impacts in the area. Field screening of the encountered soils was conducted at the surface and at one-foot increments to the total test excavation depths. Based on the site characterization details, the test excavations were completed to a maximum depth of approximately four feet below ground surface (bgs). No test excavations were completed within the footprint of the historic drilling pit located north of the former Mobil CI #7 wellhead location since this would have exposed the drill pit materials and could have compromised the integrity of the closed pit.

A total of 26 soil samples were collected from the test excavations for laboratory analysis. Since there were no elevated OVM readings found in the test excavation soils, the samples were collected at the depth interval within each test excavation that exhibited the highest field chloride

reading and at the terminal depth of each test excavation. Upon collection, the soil samples were submitted to Hall Environmental in Albuquerque, New Mexico for analysis of total petroleum hydrocarbons (TPH) using EPA Method 8015; benzene, toluene, ethylbenzene and xylenes (BTEX) using EPA Method 8021; and, total chloride using EPA Method 300. The samples were collected and managed using standard QA/QC and chain-of-custody procedures.

Three of the 26 collected soil samples (TH-2/2', TH-3/1' and TH-8/0') were subsequently documented by the laboratory to contain chloride concentrations in excess of the Restoration, Reclamation and Re-Vegetation criteria detailed in 19.15.29.13 NMAC. The chloride concentrations in these samples ranged from 880 mg/Kg to 1,500 mg/kg.

The initial assessment soil sample analytical results are summarized in the attached "Site Assessment Soil BTEX, TPH & Chloride (EPA 300) Analytical Data" summary table. Copies of the laboratory analytical reports are also attached.

### **3.2 Site Remediation, NMOCD Notification, and Initial Cleanup Confirmation Sampling**

To address the soil chloride impacts at the Site, soil removal operations were conducted in January 2023. Based on the information collected during the initial site assessment activities, the relatively minor soil chloride impacts appeared to be most likely associated with a non-reportable historic release incident. The initial removal operations were completed in both areas of concern (the "Northeastern Excavation Area" and the "Southwestern Excavation Area") to depths and boundaries anticipated to be within the site closure criteria. The "Northeastern Excavation Area" was located in the northern portion of the well pad area on the east/northeast side of the former wellhead location. The "Southwestern Excavation Area" was located to the southwest of the former wellhead location.

During the excavation process, Ranger personnel collected field readings utilizing an OVM and field chloride titration kit to guide the excavation boundaries and depths. Based on the encountered field chloride concentrations, the areas of concern were excavated to greater boundaries than what had been originally anticipated. Due to the increased extent of the soil impacts, it was determined that the impacts could possibly have been associated with a reportable release incident. As such, on January 18, 2023, the incident was reported to the NMOCD.

To determine if the excavations had been completed to appropriate boundaries, on January 17, 2023, Ranger personnel mobilized to the site to collect preliminary cleanup confirmation soil samples from the excavated areas. The soil samples were collected as five-part composite samples in accordance with NMAC 19.15.29.12 with each sample representing less than 200 square feet. A total of 24 soil samples were collected from the excavation base and sidewalls of the two excavation areas.

Upon collection, the soil samples were submitted to Hall Environmental in Albuquerque, New Mexico for analysis of TPH, BTEX, and chloride using the afore-mentioned laboratory methods. The samples were collected and managed using standard QA/QC and chain-of-custody procedures.

Upon review of the laboratory analytical results, one sample ("W-2") was noted to contain a chloride concentration remaining in exceedance of the 600 mg/Kg site closure criteria. Sample "W-2" had been collected from the "Northeastern Excavation Area" along the northern excavation side wall in the immediate vicinity of the former pit. The remaining 23 soil samples were all found



to contain chloride concentrations below the site closure criteria. There were no detectable BTEX or TPH concentrations.

The January 2023 soil excavation boundaries and depths, and cleanup confirmation sampling locations, are illustrated on the attached "*Excavation Assessment Sample Location Map*." The cleanup confirmation soil sample analytical results are summarized in the attached "*Excavation Assessment Soil BTEX, TPH & Chloride (EPA 300) Analytical Data*" summary table. Copies of the laboratory analytical reports are also attached.

### **3.3 Additional Excavation and Final Cleanup Confirmation Soil Sampling**

Based on the results of the January 17, 2023 sampling activities, Ranger personnel and representatives of EOG returned to the Site on February 1, 2023 to conduct additional remedial operations in the area of sample "W-2". Due to the location of sample area "W-2" in such close proximity to the former pit, the additional soil removal operations in this area were conducted with caution. Upon removing approximately one foot from the northern wall of the excavation area, historic drill pit material was observed in the northwestern portion of the excavation side wall. Due to the observed drill pit material, no additional removal was completed in this area to avoid compromising the integrity of the former pit.

Upon completion of the final soil removal operations, the "*Northeastern Excavation Area*" had maximum dimensions of approximately 54 feet by 40 feet and was completed to a maximum depth of approximately four feet bgs. The "*Southwestern Excavation Area*" had maximum dimensions of approximately 30 feet by 29 feet and was completed to a maximum depth of approximately four feet bgs.

In order to confirm that the excavations had been completed to appropriate boundaries, additional cleanup confirmation soil samples were collected on February 1, 2023 as five-part composite samples in accordance with NMAC 19.15.29.12(D), with each sample representing no more than 200 square feet. Since the initial cleanup confirmation soil samples collected on January 17, 2023 were collected when the release incident was believed to be non-reportable, notice had not been provided to the NMOCD. Therefore, a full resampling of both excavated areas was conducted on February 1, 2023 after having first notified NMOCD in accordance with NMAC 19.15.29.12(D). A copy of the notification is attached.

It should be noted that as part of the February 1, 2023 sampling activities, one grab soil sample (Sample ID "W2") was collected from the exposed historic pit material located along the northern excavation wall of the "*Northeastern Excavation Area*."

Upon collection, the cleanup confirmation soil samples were submitted to Hall Environmental in Albuquerque, New Mexico for analysis of TPH, BTEX, and total chloride using the aforementioned laboratory methods. The samples were collected and managed using standard QA/QC and chain-of-custody procedures.

The final soil excavation boundaries and depths, and final cleanup confirmation sampling locations, are illustrated on the attached "*Final Excavation Area and Confirmation Sample Location Map*." This map also illustrates the location of the exposed historic pit material. The final cleanup confirmation soil sample analytical results, and the analytical results for the pit material (Sample ID "W2"), are summarized in the attached "*Confirmation Soil Sample BTEX, TPH & Chloride Analytical Data*" summary table. Copies of the laboratory analytical reports are also attached.



### **3.4 Final Cleanup Confirmation Sample Results**

The final cleanup confirmation soil sample analytical results documented attainment of the site closure criteria in both of the excavated areas of concern.

### **3.5 Historic Drill Pit Location**

The pit material sample "W2" was documented to contain a chloride concentration of only 1,100 mg/kg which is relatively low for pit contents. As summarized above, no excavation was conducted into the pit so that the integrity of the pit would not be compromised.

### **3.6 Waste Disposal**

All soils generated during the remedial excavation activities were disposed of at Lea Land disposal facility in Lea County, New Mexico.

## **4.0 SITE CLOSURE**

### **4.1 Site Backfill and Re-seeding**

Based on the cleanup confirmation soil sample results, the excavated areas will be backfilled with clean fill material in accordance with NMAC 19.15.29.12 and NMAC 19.15.29.13. Re-vegetation efforts in the remediated areas will be completed in conjunction with the outstanding reclamation efforts associated with the Mobil CI #7 well pad.

### **4.2 Closure Request**

Based on the cleanup confirmation soil sample results, the site has been properly addressed pursuant to NMAC 19.15.29 and EOG respectfully requests closure of the incident. A final C-141 Form is attached.

FORM C-141

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	nAPP2301854079
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party	EOG Resources, Inc.	OGRID	7377
Contact Name	Chase Settle	Contact Telephone	575-748-1471
Contact email	Chase_Settle@eogresources.com	Incident #	nAPP2301854079
Contact mailing address	104 S. 4th Street, Artesia, NM 88210		

### Location of Release Source

Latitude 32.68750 Longitude -104.52104  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Mobil CI Federal #7	Site Type	Well Pad
Date Release Discovered	01/18/2023	API# (if applicable)	30-015-23273

Unit Letter	Section	Township	Range	County
J	6	19S	25E	Eddy

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name: Howell Revocable Trust)

### Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) <u>Unknown</u>	Volume Recovered (bbls) <u>0</u>
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" 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

The landowner provided notice of suspected historical impacts on the well pad. An environmental consultant was retained to investigate the area for possible impacts of a historical release. Based on the initial investigation, it appeared that impacts were minimal in concentration and size, and were thought to most likely be associated with a historical non-reportable release(s). However, after initiation of remedial activities the volume of potentially impacted material indicated that it could possibly be considered reportable and suggested the submission of a C-141 to maintain compliance with NMAC 19.15.29.

Incident ID	nAPP2301854079
District RP	
Facility ID	
Application ID	

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

## Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:          	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Chase Settle</u>	Title: <u>Rep Safety &amp; Environmental Sr</u>
Signature: <u>Chase Settle</u>	Date: <u>01/18/2023</u>
email: <u>Chase_Settle@eogresources.com</u>	Telephone: <u>575-748-1471</u>
<b><u>OCD Only</u></b> Received by: <u>Jocelyn Harimon</u> Date: <u>01/18/2023</u>	

**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 177272

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 177272
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	1/18/2023

Incident ID	nAPP2301854079
District RP	
Facility ID	
Application ID	

## Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release? *\*The depth to groundwater has been confirmed via the installation of a temporary monitoring well.*

>109' (ft bgs)

Did this release impact groundwater or surface water?

☐ Yes ☒ No

Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?

☐ Yes ☒ No

Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?

☐ Yes ☒ No

Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?

☐ Yes ☒ No

Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?

☐ Yes ☒ No

Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?

☐ Yes ☒ No

Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?

☐ Yes ☒ No

Are the lateral extents of the release within 300 feet of a wetland?

☐ Yes ☒ No

Are the lateral extents of the release overlying a subsurface mine?

☐ Yes ☒ No

Are the lateral extents of the release overlying an unstable area such as karst geology?

☐ Yes ☒ No

Are the lateral extents of the release within a 100-year floodplain?

☐ Yes ☒ No

Did the release impact areas **not** on an exploration, development, production, or storage site?

☐ Yes ☒ No

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

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

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



## Oil Conservation Division

Incident ID	nAPP2301854079
District RP	
Facility ID	
Application ID	

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.

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: 02/28/2023

email: Chase\_Settle@eogresources.com Telephone: 575-748-1471

**OCD Only**

Received by: Jocelyn Harimon Date: 02/28/2023

Incident ID	nAPP2301854079
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: Chase Settle Title: Rep Safety & Environmental Sr

Signature: Chase Settle Date: 02/28/2023

email: Chase\_Settle@eogresources.com Telephone: 575-748-1471

**OCD Only**

Received by: Jocelyn Harimon Date: 02/28/203

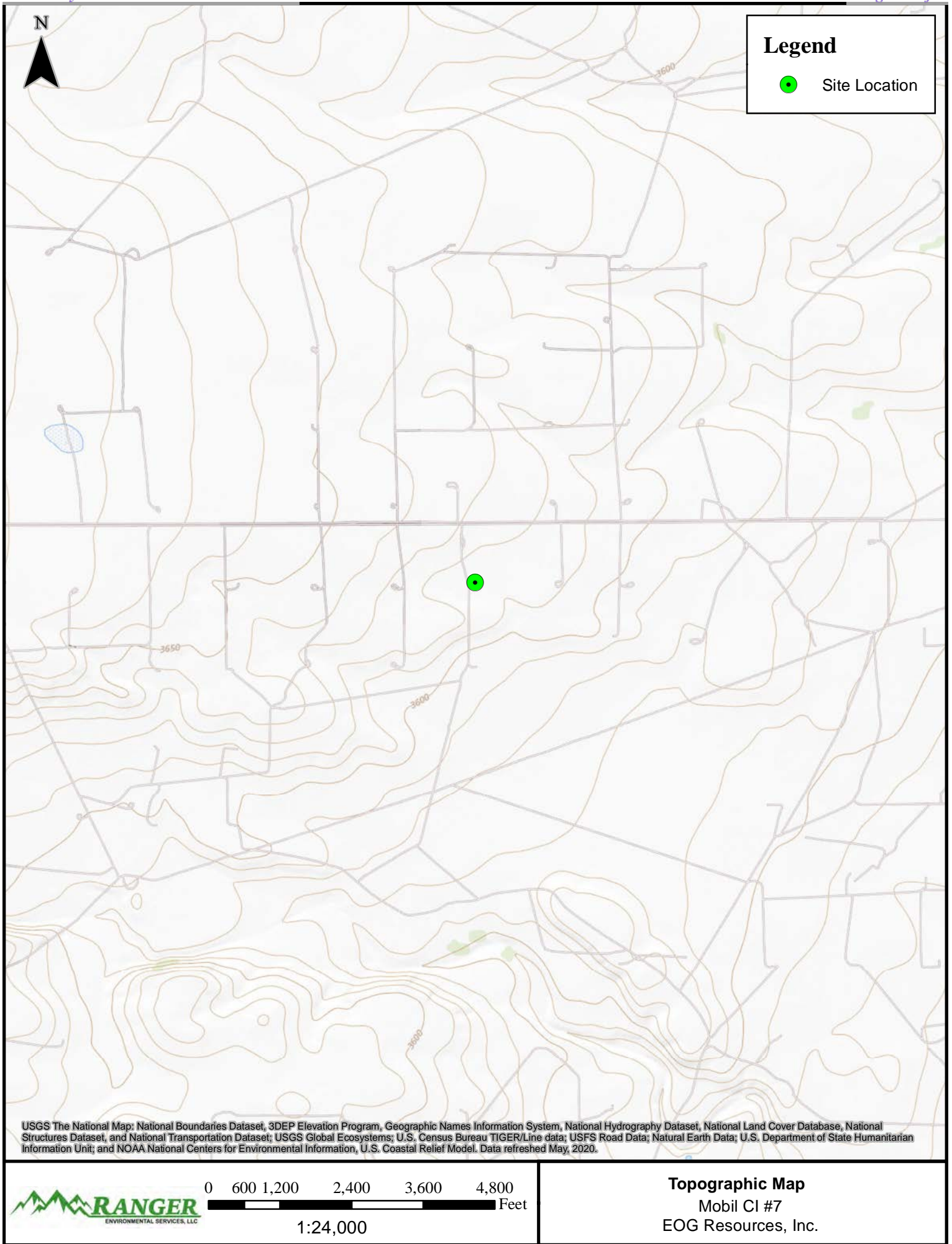
Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance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

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

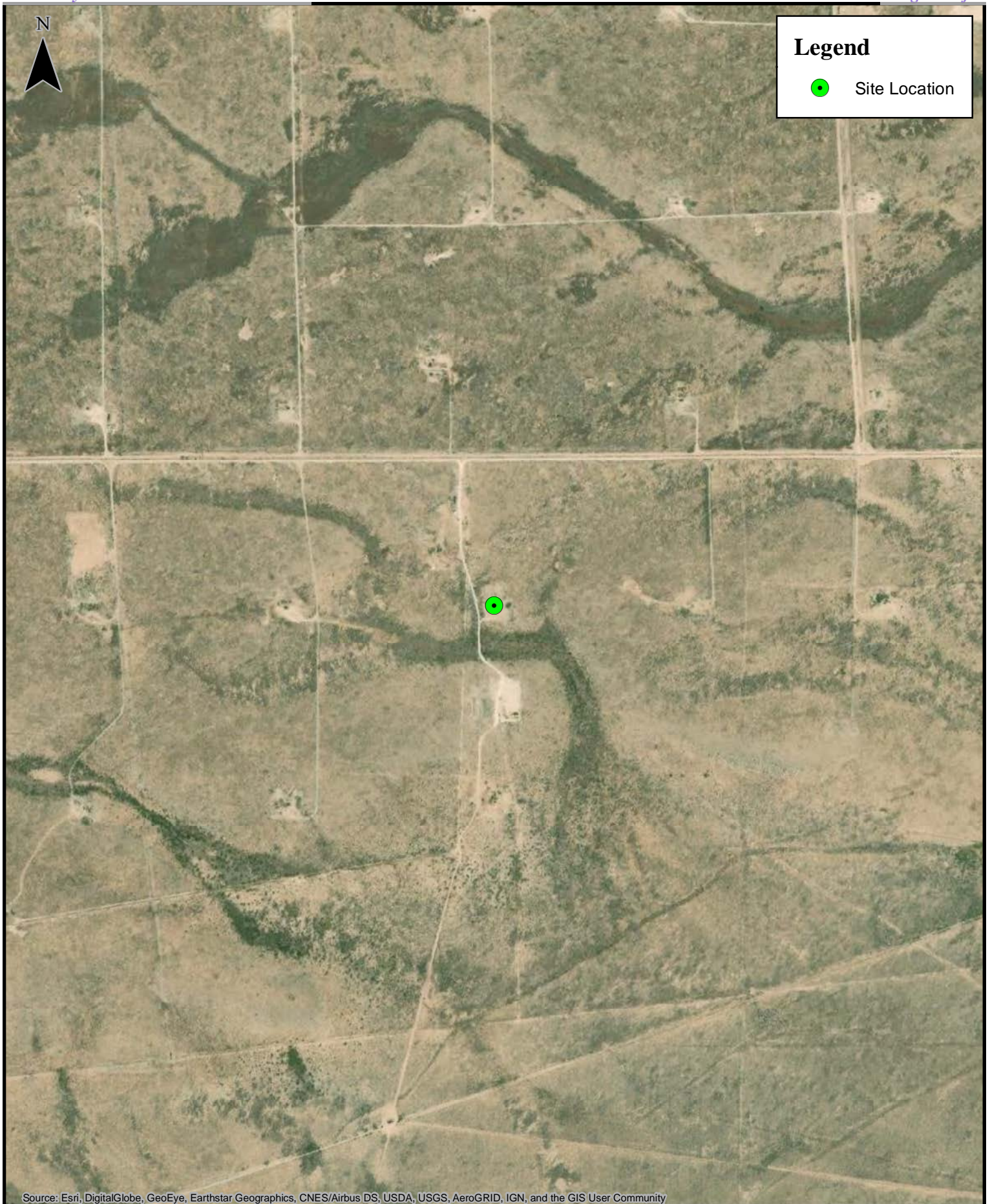
Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

## FIGURES

Topographic Map  
Area Map  
DTGW Information Location Map  
National Wetland Inventory Map  
FEMA Floodplain Map  
Karst Topography Map  
Howell Ranch Provided EM Survey Map  
Site Assessment Sample Location Map  
Excavation Assessment Sample Location Map  
Final Excavation Area and Confirmation Sample Location Map







Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

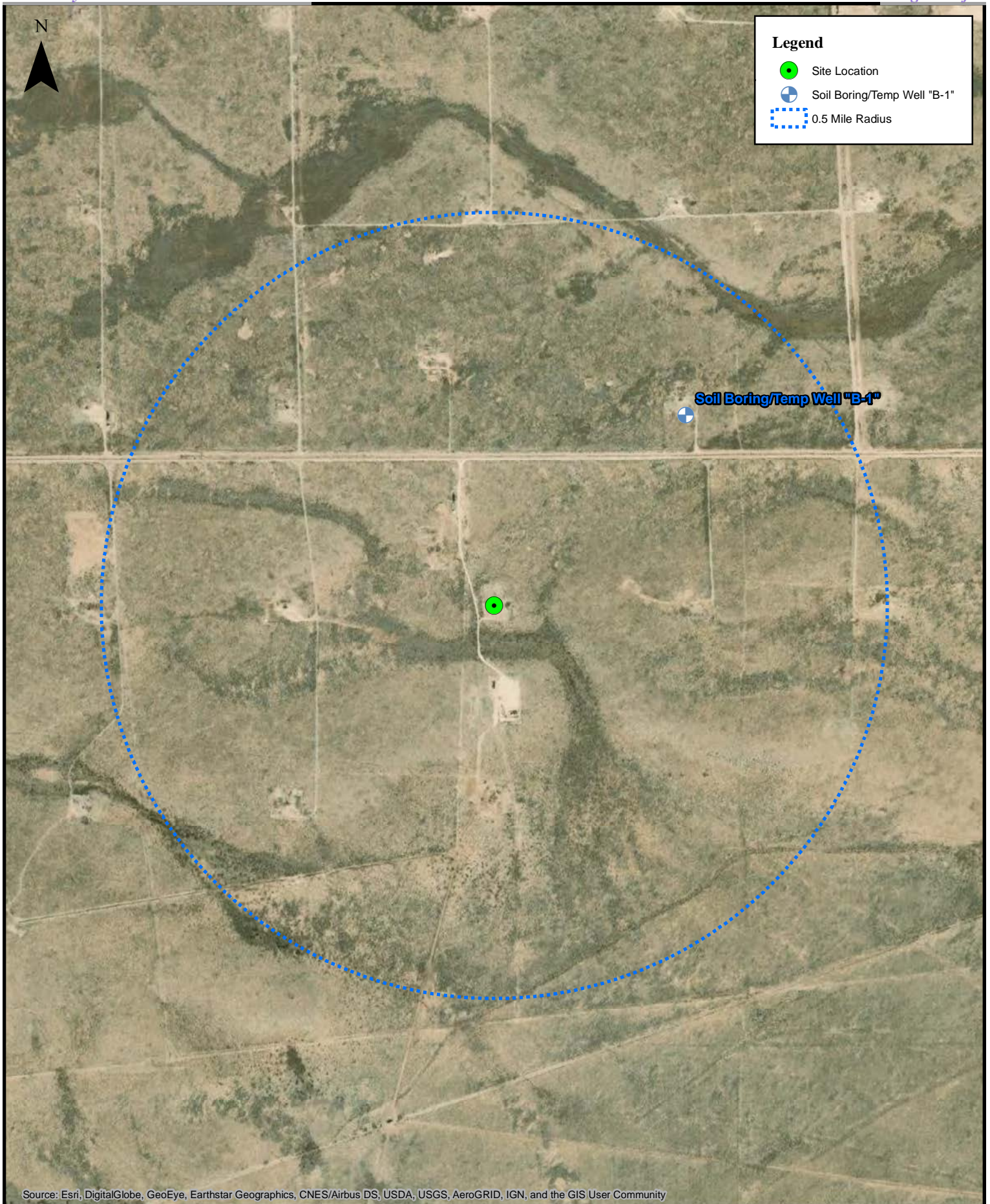


0 250 500 1,000 1,500 2,000 Feet

1:10,000

**Area Map**  
Mobil CI #7  
EOG Resources, Inc.





Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



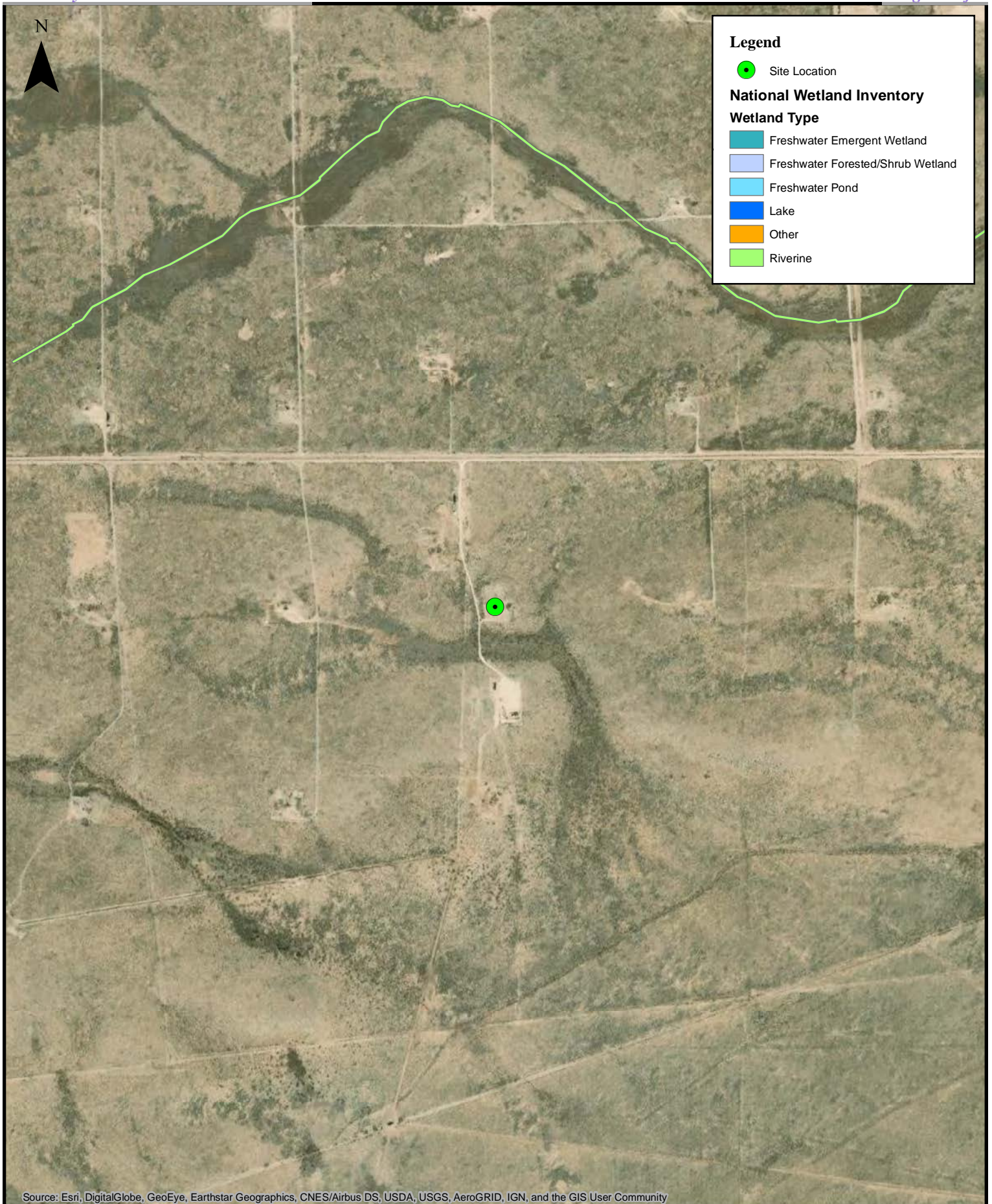
0 250 500 1,000 1,500 2,000 Feet


1:10,000

**DTGW Information Location Map**

Mobil CI #7  
EOG Resources, Inc.







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

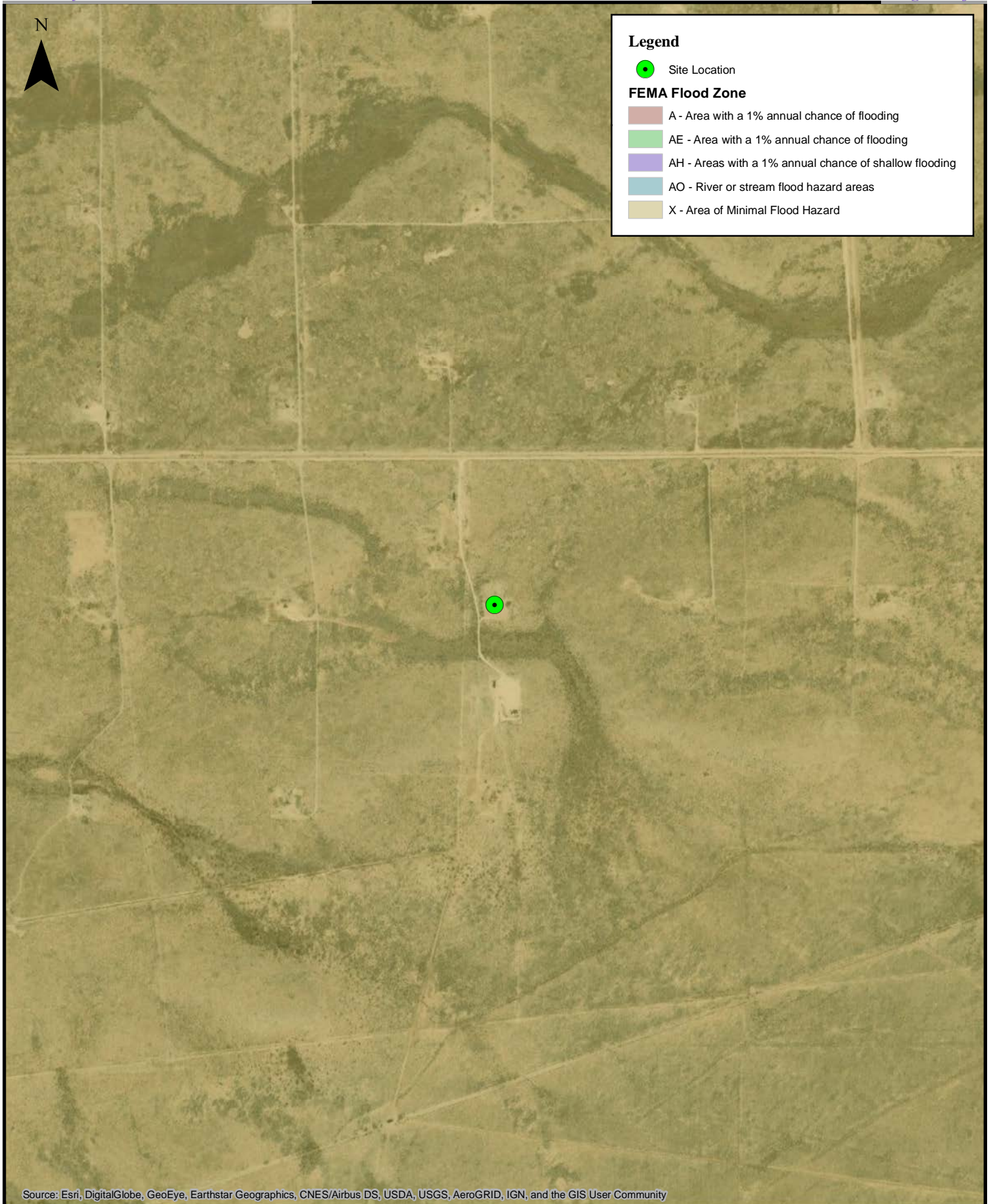
1:10,000


**National Wetland Inventory Map**

Mobil CI #7

EOG Resources, Inc.







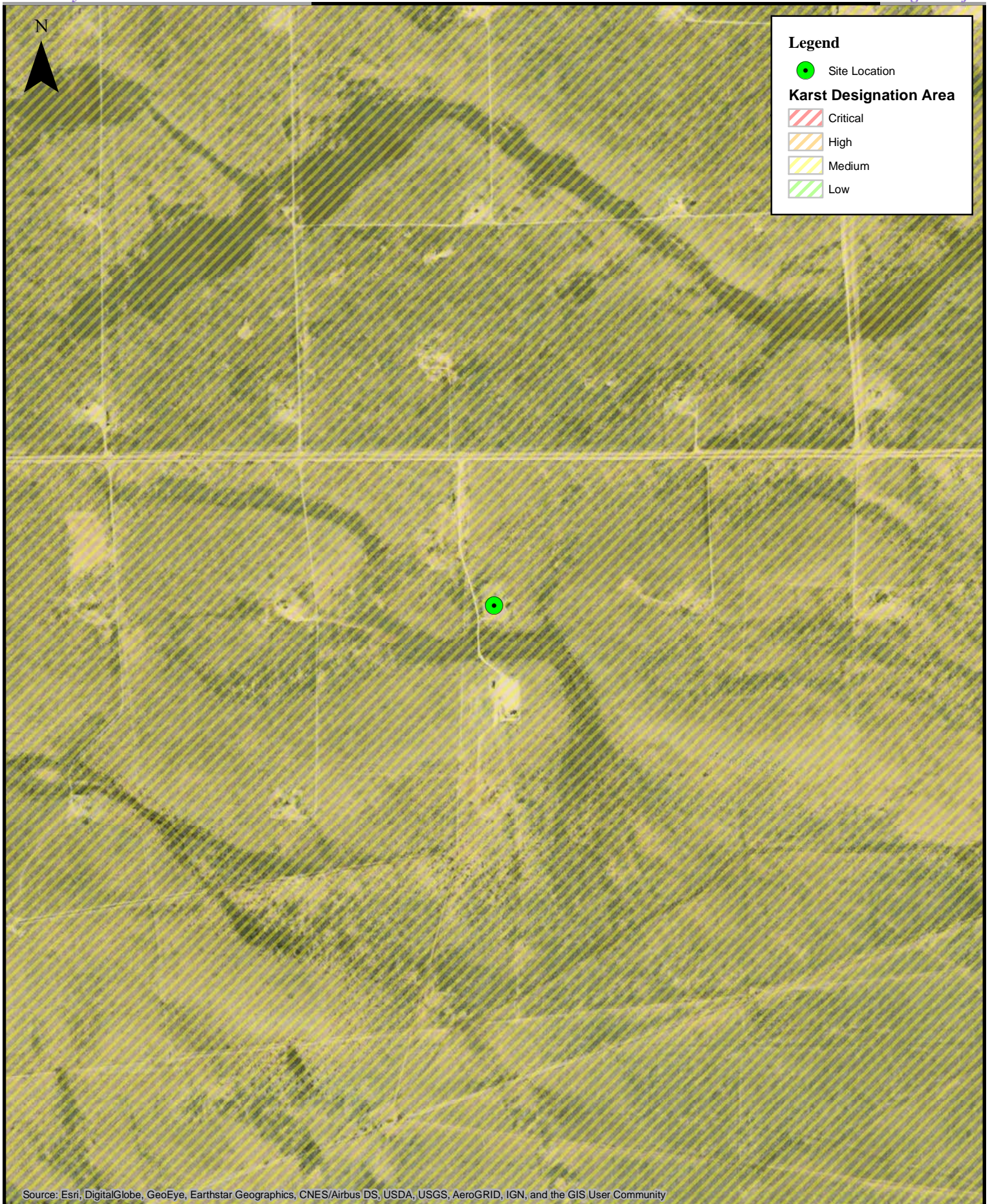
0 250 500 1,000 1,500 2,000

Feet

1:10,000

**FEMA Floodplain Map**  
Mobil CI #7  
EOG Resources, Inc.





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

1:10,000

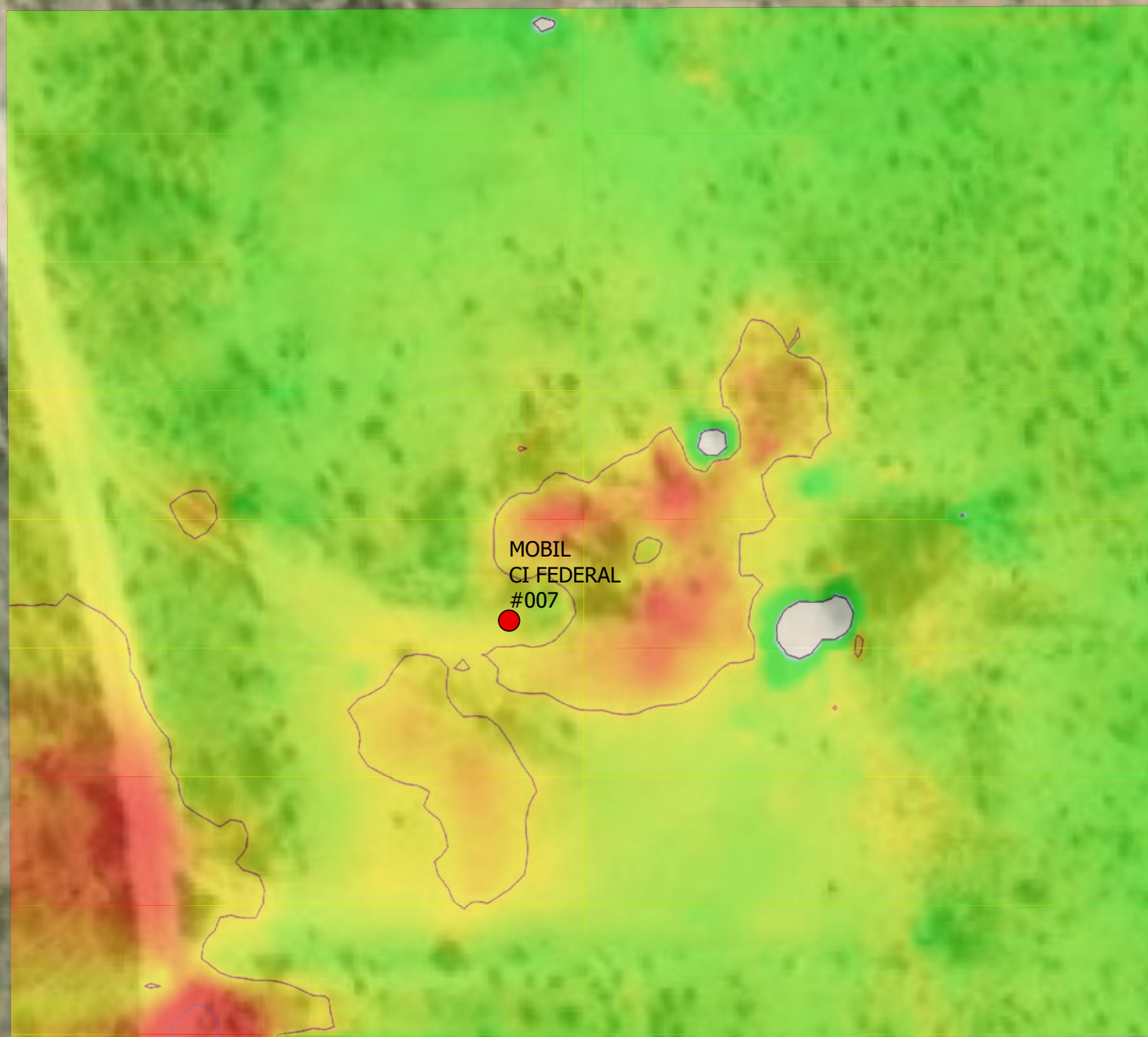
**Karst Topography Map**

Mobil CI #7

EOG Resources, Inc.



FIGURE 1 EM 28 EC 149  
Howell Ranch  
Mobile CI #7

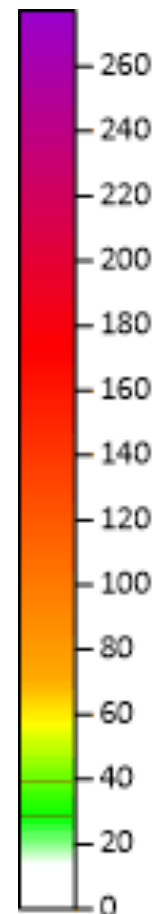


LEGEND

● WellGIS



0 20 40 80  
Scale: 1:500 Feet



JOB No. howell\_env\_18

DATE FIELD: 03/20/22

DRAWN JAW

DATE DRAWN: 4/25/2022

REVIEW LCM





0 10 20 40 60 80  
 Feet

1:400

### Site Assessment Sample Location Map

Mobil CI #7  
 EOG Resources, Inc.









## TABLES

Site Assessment Soil BTEX (EPA 8260), TPH (EPA 8015) &  
Chloride (EPA 300) Analytical Data

Excavation Assessment Soil BTEX (EPA 8260), TPH (EPA 8015) &  
Chloride (EPA 300) Analytical Data

Confirmation Soil Sample BTEX (EPA 8260), TPH (EPA 8015) &  
Chloride (EPA 300) Analytical Data

SITE ASSESSMENT SOIL BTEX (EPA 8021), TPH (SW 8015) & CHLORIDE (EPA 300) ANALYTICAL DATA EOG RESOURCES, INC. MOBIL CI #7													
All values presented in parts per million (mg/Kg)													
SAMPLE ID	DATE	DEPTH (FT)	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C6-C10	TPH DRO C10-C28	TPH MRO C28-C36	TPH (GRO+DRO)	TPH (GRO+DRO+MRO)	CHLORIDE
TH-1/0	6/21/2022	0'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<15	<50	<15	<50	<60
TH-1/4	6/21/2022	4'	<0.023	<0.047	<0.047	<0.093	<0.09	<4.7	<14	<48	<14	<48	<60
TH-2/2	6/21/2022	2'	<0.023	<0.047	<0.047	<0.093	<0.09	<4.7	<15	<50	<15	<50	880
TH-2/4	6/21/2022	4'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<15	<50	<15	<50	220
TH-3/1	6/21/2022	1'	<0.023	<0.047	<0.047	<0.094	<0.09	<4.7	<13	<44	<13	<44	1,000
TH-3/4	6/21/2022	4'	<0.024	<0.047	<0.047	<0.094	<0.09	<4.7	<14	<47	<14	<47	580
TH-4/0	6/21/2022	0'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<14	<46	<14	<46	<59
TH-4/2	6/21/2022	1'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<14	<47	<14	<47	<60
TH-5/0	6/21/2022	0'	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	<15	<49	<15	<49	<60
TH-5/2	6/21/2022	2'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<15	<50	<15	<50	340
TH-6/0	6/21/2022	0'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	<15	<49	<15	<49	<59
TH-6/2	6/21/2022	2'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<15	<49	<15	<49	140
TH-7/0	6/21/2022	0'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<15	<50	<15	<50	<60
TH-7/2	6/21/2022	2'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<15	<50	<15	<50	320
TH-8/0	6/21/2022	0'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<15	<49	<15	<49	1,500
TH-8/4	6/21/2022	4'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<15	<50	<15	<50	640
TH-9/1	6/21/2022	1'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<15	<50	<15	<50	170
TH-9/4	6/21/2022	4'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<15	<50	<15	<50	530
TH-10/2	6/21/2022	2'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<15	<50	<15	<50	270
TH-10/4	6/21/2022	4'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<15	<50	<15	<50	820
TH-11/1	6/21/2022	1'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<15	<49	<15	<49	<60
TH-11/4	6/21/2022	4'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<14	<48	<14	<48	<60
TH-12/1	6/21/2022	1'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<15	<49	<15	<49	<60
TH-12/4	6/21/2022	4'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<14	<47	<14	<47	400
TH-13/1	6/21/2022	1'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<15	<50	<15	<50	<60
TH-13/4	6/21/2022	4'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<15	<50	<15	<50	<59
19.15.29.12 NMAC Table 1 Closure Criteria for Soils Impacted by a Release (GW >100')			10	---	---	---	50	---	---	---	1,000	2,500	20,000
19.15.29.13 NMAC Reclamation Criteria (0'-4' Soils Only)			10 <sup>3</sup>	---	---	---	50 <sup>3</sup>	---	---	---	---	100 <sup>3</sup>	600
Notes:													
1. Results exceeding the Table 1 Closure Criteria are presented in bold type and are highlighted yellow.													
2. Results exceeding the NMAC Restoration, Reclamation and re-vegetation chloride concentration requirements are presented in bold red type.													
3. Value derived from the State of New Mexico Energy, Minerals and Natural Resources Department document Procedures for the Implementation of the Spill Rule (19.15.29 NMAC) dated September 6, 2019.													

EXCAVATION ASSESSMENT SOIL BTEX (EPA 8021), TPH (SW 8015) & CHLORIDE (EPA 300) ANALYTICAL DATA EOG RESOURCES, INC. MOBIL CI #7													
All values presented in parts per million (mg/Kg)													
SAMPLE ID	DATE	DEPTH (FT)	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C6-C10	TPH DRO C10-C28	TPH MRO C28-C36	TPH (GRO+DRO)	TPH (GRO+DRO+MRO)	CHLORIDE
<b>"NORTHEASTERN EXCAVATION AREA SOIL SAMPLES"</b>													
W-1	1/17/2023	0-4'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.6	<48	<9.6	<48	300
W-2	1/17/2023	0-4'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<10	<50	<10	<50	<b>1,400</b>
W-3	1/17/2023	0-4'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<9.9	<50	<9.9	<50	210
W-4	1/17/2023	0-4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.9	<50	<9.9	<50	210
B-1	1/17/2023	4'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.2	<46	<9.2	<46	880
B-2	1/17/2023	4'	<0.024	<0.047	<0.047	<0.094	<0.09	<4.7	<9.7	<49	<9.7	<49	640
B-3	1/17/2023	4'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.1	<46	<9.1	<46	660
B-4	1/17/2023	4'	<0.023	<0.046	<0.046	<0.092	<0.09	<4.6	<9.6	<48	<9.6	<48	840
B-5	1/17/2023	4'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<9.5	<48	<9.5	<48	690
B-6	1/17/2023	4'	<0.024	<0.047	<0.047	<0.094	<0.09	<4.7	<9.4	<47	<9.4	<47	660
B-7	1/17/2023	4'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<9.5	<47	<9.5	<47	880
B-8	1/17/2023	4'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<9.7	<48	<9.7	<48	880
B-9	1/17/2023	4'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<9.7	<48	<9.7	<48	590
B-10	1/17/2023	4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.8	<49	<9.8	<49	810
B-11	1/17/2023	4'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<9.8	<49	<9.8	<49	660
B-12	1/17/2023	4'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<9.8	<49	<9.8	<49	440
<b>"SOUTHWESTERN EXCAVATION AREA SOIL SAMPLES"</b>													
W-1	1/17/2023	0-4'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<9.8	<49	<9.8	<49	210
W-2	1/17/2023	0-4'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<10	<50	<10	<50	320
W-3	1/17/2023	0-4'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<9.9	<50	<9.9	<50	250
B-13	1/17/2023	4'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<9.9	<50	<9.9	<50	800
B-14	1/17/2023	4'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<9.2	<46	<9.2	<46	500
B-15	1/17/2023	4'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<9.8	<49	<9.8	<49	880
B-16	1/17/2023	4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.8	<49	<9.8	<49	590
B-17	1/17/2023	4'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<9.5	<48	<9.5	<48	550
<b>19.15.29.12 NMAC Table 1 Closure Criteria for Soils Impacted by a Release (GW &gt;100')</b>			<b>10</b>	---	---	---	<b>50</b>	---	---	---	<b>1,000</b>	<b>2,500</b>	<b>20,000</b>
<b>19.15.29.13 NMAC Reclamation Criteria (0'-4' Soils Only)</b>			<b>10<sup>3</sup></b>	---	---	---	<b>50<sup>3</sup></b>	---	---	---	---	<b>100<sup>3</sup></b>	<b>600</b>
Notes:													
1. Results exceeding the Table 1 Closure Criteria are presented in bold type and are highlighted yellow.													
2. Results exceeding the NMAC Restoration, Reclamation and re-vegetation chloride concentration requirements are presented in bold red type.													
3. Value derived from the State of New Mexico Energy, Minerals and Natural Resources Department document Procedures for the Implementation of the Spill Rule (19.15.29 NMAC) dated September 6, 2019.													

CONFIRMATION SOIL SAMPLE BTEX (EPA 8021), TPH (SW 8015) & CHLORIDE (EPA 300) ANALYTICAL DATA EOG RESOURCES, INC. MOBIL CI #7													
All values presented in parts per million (mg/Kg)													
SAMPLE ID	DATE	DEPTH (FT)	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C6-C10	TPH DRO C10-C28	TPH MRO C28-C36	TPH (GRO+DRO)	TPH (GRO+DRO+MRO)	CHLORIDE
"NORTHEASTERN EXCAVATION AREA SOIL SAMPLES"													
W-1	2/1/2023	0-4'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<15	<49	<15	<49	250
W2	2/1/2023	0-4'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<15	<49	<15	<49	<b>1,100</b>
W-2/G	2/1/2023	0-4'	<0.025	<0.050	<0.050	<0.10	<0.10	<4.8	<24	<46	<24	<24	440
W-3	2/1/2023	0-4'	<0.025	<0.050	<0.050	<0.099	<0.10	<4.9	<14	<45	<14	<45	110
W-4	2/1/2023	0-4'	<0.023	<0.047	<0.047	<0.094	<0.09	<4.7	<14	<47	<14	<47	330
W-5	2/1/2023	0-4'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.9	<15	<49	<15	<49	91
B-1	2/1/2023	4'	<0.023	<0.046	<0.046	<0.092	<0.09	<5.0	<14	<47	<14	<47	160
B-2	2/1/2023	4'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.7	<14	<48	<14	<48	190
B-3	2/1/2023	4'	<0.025	<0.050	<0.050	<0.10	<0.10	<4.9	<14	<47	<14	<47	130
B-4	2/1/2023	4'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.9	<15	<48	<15	<48	150
B-5	2/1/2023	4'	<0.025	<0.050	<0.050	<0.099	<0.10	<4.7	<13	<45	<13	<45	190
B-6	2/1/2023	4'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<13	<45	<13	<45	130
B-7	2/1/2023	4'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<13	<45	<13	<45	120
B-8	2/1/2023	4'	<0.025	<0.050	<0.050	<0.10	<0.10	<4.6	<14	<48	<14	<48	91
B-9	2/1/2023	4'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.7	<15	<49	<15	<49	120
B-10	2/1/2023	4'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.7	<15	<49	<15	<49	140
B-11	2/1/2023	4'	<0.024	<0.049	<0.049	<0.097	<0.10	<5.0	<14	<46	<14	<46	190
B-12	2/1/2023	4'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.4	<47	<9.4	<47	180
B-13	2/1/2023	4'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<10	<50	<10	<50	140
"SOUTHWESTERN EXCAVATION AREA SOIL SAMPLES"													
W-6	2/1/2023	4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<10	<49	<10	<10	99
W-7	2/1/2023	0-4'	<0.024	<0.067	<0.048	<0.096	<0.07	<4.8	<9.7	<48	<9.7	<48	110
W-8	2/1/2023	0-4'	<0.025	<0.061	<0.050	<0.099	<0.06	<5.0	<9.9	<49	<9.9	<49	120
B-14	2/1/2023	4'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.9	<49	<9.9	<49	170
B-15	2/1/2023	4'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.4	<47	<9.4	<47	170
B-16	2/1/2023	4'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<10	<50	<10	<50	190
B-17	2/1/2023	4'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<9.9	<50	<9.9	<50	150
B-18	2/1/2023	4'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<10	<50	<10	<50	150
19.15.29.12 NMAC Table 1 Closure Criteria for Soils Impacted by a Release (GW >100')			10	---	---	---	50	---	---	---	1,000	2,500	20,000
19.15.29.13 NMAC Reclamation Criteria (0'-4' Soils Only)			10 <sup>3</sup>	---	---	---	50 <sup>3</sup>	---	---	---	---	100 <sup>3</sup>	600
Notes:													
1. Results exceeding the Table 1 Closure Criteria are presented in bold type and are highlighted yellow.													
2. Results exceeding the NMAC Restoration, Reclamation and re-vegetation chloride concentration requirements are presented in bold red type.													
3. Value derived from the State of New Mexico Energy, Minerals and Natural Resources Department document Procedures for the Implementation of the Spill Rule (19.15.29 NMAC) dated September 6, 2019.													



# ATTACHMENT 1 – DEPTH-TO-GROUNDWATER DATA





# STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 2

PROJECT NAME: Mobil CI Battery

HOLE DESIGNATION: SB-1

PROJECT NUMBER: 12579882

DATE COMPLETED: 6 May 2022

CLIENT: EOG Resources

DRILLING METHOD: Air Rotary/Split Spoons and Cuttings

LOCATION: Eddy County, New Mexico

FIELD PERSONNEL: L. Mullins

DRILLING CONTRACTOR: HCI Drilling

DRILLER: K. Cooper

File: \\GHDNET\GHD\USMIDLAND\PROJECTS\12579882\LOGS\GPJ Library File: GHD\_ENV\RO\_V06.GLB Report: OVERBURDEN LOG Date: 9/6/22

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH BGS	MONITORING WELL	SAMPLE				
				NUMBER	INTERVAL	REC (%)	CHLORIDE (mg/kg)	
5	Partially Consolidated Caliche with sand, light grey, dry							
10								
15								
20	CALICHE GRAVEL, with fine to medium sand and rock gravel, light grey	19.00						
25								
30	SP-SAND, fine to medium grained sand, light brown to reddish, dry	30.00						
35								
40								
45	- light brown at 45.00ft BGS							
50								
55								
60								
65								

NOTES:



# STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 2 of 2

PROJECT NAME: Mobil CI Battery

HOLE DESIGNATION: SB-1

PROJECT NUMBER: 12579882

DATE COMPLETED: 6 May 2022

CLIENT: EOG Resources

DRILLING METHOD: Air Rotary/Split Spoons and Cuttings

LOCATION: Eddy County, New Mexico

FIELD PERSONNEL: L. Mullins

DRILLING CONTRACTOR: HCI Drilling

DRILLER: K. Cooper

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH BGS	MONITORING WELL	SAMPLE				
				NUMBER	INTERVAL	REC (%)	CHLORIDE (mg/kg)	
75	- with gravel at 70.00ft BGS							
80								
85								
90	CL-SANDY CLAY, light brown to brown, slightly moist	87.00						
95								
100								
105								
110	END OF BOREHOLE @ 109.00ft BGS	109.00						
115								
120								
125								
130								
135								

**NOTES:** Temp Well Gauged on May 11, 2022 and no groundwater was detected. Temp well was plugged and abandoned.

File: \\GHDNET\GHD\USMIDLAND\PROJECTS\12579882\TECH\GINT\LOGS\12579882 LOGS.GPJ Library File: GHD\_ENV\RO\_V06.GLB Report: OVERBURDEN LOG Date: 9/6/22

**WELL DETAILS**

Screened interval:

99.00 to 109.00ft BGS

Length: 10ft

Diameter: 2in

**NOTE:**

This well was plugged and abandoned.

2" Ø Screen

## ATTACHMENT 2 – PHOTOGRAPHIC DOCUMENTATION



**PHOTOGRAPH NO. 1 – A general view of the site assessment activities on June 21, 2022. The view is towards the northeast.**

*(Approximate GPS Coordinates: 32.687480, -104.520989)*



**PHOTOGRAPH NO. 2 – A view of the “Northeastern Excavation Area” during the remedial process. The view is towards the northeast.**

*(Approximate GPS Coordinates: 32.687478, -104.521028)*





**PHOTOGRAPH NO. 3 – A view of the “Southwestern Excavation Area” upon completion of the soil removal operations. The view is towards the southwest.**

*(Approximate GPS Coordinates: 32.687461, -104.521040)*



**PHOTOGRAPH NO. 4 – A view of the “Northeastern Excavation Area”. The view is towards the north-northeast.**

*(Approximate GPS Coordinates: 32.687508, -104.521051)*



**PHOTOGRAPH NO. 5 – A view of historic pit material encountered in the northern wall of the “Northeastern Excavation Area”. The view is towards the north-northwest.**

*(Approximate GPS Coordinates: 32.687588, -104.520914)*

## ATTACHMENT 3 – LABORATORY ANALYTICAL REPORTS



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

July 07, 2022

Will Kierdorf

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX:

RE: Mobil CI 7

OrderNo.: 2206C29

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 26 sample(s) on 6/23/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

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

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109



## Analytical Report

Lab Order 2206C29

Date Reported: 7/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-1/0

Project: Mobil CI 7

Collection Date: 6/21/2022 9:00:00 AM

Lab ID: 2206C29-001

Matrix: SOIL

Received Date: 6/23/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	ND	60		mg/Kg	20	6/28/2022 1:28:07 AM	68393
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	6/27/2022 4:31:12 PM	68344
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/27/2022 4:31:12 PM	68344
Surr: DNOP	100	51.1-141		%Rec	1	6/27/2022 4:31:12 PM	68344
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/25/2022 9:45:00 AM	68325
Surr: BFB	91.9	37.7-212		%Rec	1	6/25/2022 9:45:00 AM	68325
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	6/25/2022 9:45:00 AM	68325
Toluene	ND	0.049		mg/Kg	1	6/25/2022 9:45:00 AM	68325
Ethylbenzene	ND	0.049		mg/Kg	1	6/25/2022 9:45:00 AM	68325
Xylenes, Total	ND	0.098		mg/Kg	1	6/25/2022 9:45:00 AM	68325
Surr: 4-Bromofluorobenzene	89.7	70-130		%Rec	1	6/25/2022 9:45:00 AM	68325

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

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

Page 1 of 32

## Analytical Report

Lab Order 2206C29

Date Reported: 7/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-1/4

Project: Mobil CI 7

Collection Date: 6/21/2022 9:20:00 AM

Lab ID: 2206C29-002

Matrix: SOIL

Received Date: 6/23/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	ND	60		mg/Kg	20	6/28/2022 1:40:32 AM	68393
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/27/2022 4:41:56 PM	68344
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/27/2022 4:41:56 PM	68344
Surr: DNOP	91.1	51.1-141		%Rec	1	6/27/2022 4:41:56 PM	68344
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/25/2022 10:04:00 AM	68325
Surr: BFB	91.7	37.7-212		%Rec	1	6/25/2022 10:04:00 AM	68325
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.023		mg/Kg	1	6/25/2022 10:04:00 AM	68325
Toluene	ND	0.047		mg/Kg	1	6/25/2022 10:04:00 AM	68325
Ethylbenzene	ND	0.047		mg/Kg	1	6/25/2022 10:04:00 AM	68325
Xylenes, Total	ND	0.093		mg/Kg	1	6/25/2022 10:04:00 AM	68325
Surr: 4-Bromofluorobenzene	89.8	70-130		%Rec	1	6/25/2022 10:04:00 AM	68325

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

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

Page 2 of 32

## Analytical Report

Lab Order 2206C29

Date Reported: 7/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-2/2

Project: Mobil CI 7

Collection Date: 6/21/2022 9:49:00 AM

Lab ID: 2206C29-003

Matrix: SOIL

Received Date: 6/23/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	880	60		mg/Kg	20	6/28/2022 2:17:45 AM	68393
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	6/27/2022 4:52:41 PM	68344
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/27/2022 4:52:41 PM	68344
Surr: DNOP	86.4	51.1-141		%Rec	1	6/27/2022 4:52:41 PM	68344
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/25/2022 10:44:00 AM	68325
Surr: BFB	92.3	37.7-212		%Rec	1	6/25/2022 10:44:00 AM	68325
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.023		mg/Kg	1	6/25/2022 10:44:00 AM	68325
Toluene	ND	0.047		mg/Kg	1	6/25/2022 10:44:00 AM	68325
Ethylbenzene	ND	0.047		mg/Kg	1	6/25/2022 10:44:00 AM	68325
Xylenes, Total	ND	0.093		mg/Kg	1	6/25/2022 10:44:00 AM	68325
Surr: 4-Bromofluorobenzene	88.7	70-130		%Rec	1	6/25/2022 10:44:00 AM	68325

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

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

Page 3 of 32

## Analytical Report

Lab Order 2206C29

Date Reported: 7/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-2/4

Project: Mobil CI 7

Collection Date: 6/21/2022 9:53:00 AM

Lab ID: 2206C29-004

Matrix: SOIL

Received Date: 6/23/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	220	60		mg/Kg	20	6/28/2022 2:30:10 AM	68393
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	6/27/2022 5:03:26 PM	68344
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/27/2022 5:03:26 PM	68344
Surr: DNOP	82.7	51.1-141		%Rec	1	6/27/2022 5:03:26 PM	68344
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/25/2022 11:04:00 AM	68325
Surr: BFB	90.7	37.7-212		%Rec	1	6/25/2022 11:04:00 AM	68325
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	6/25/2022 11:04:00 AM	68325
Toluene	ND	0.048		mg/Kg	1	6/25/2022 11:04:00 AM	68325
Ethylbenzene	ND	0.048		mg/Kg	1	6/25/2022 11:04:00 AM	68325
Xylenes, Total	ND	0.096		mg/Kg	1	6/25/2022 11:04:00 AM	68325
Surr: 4-Bromofluorobenzene	87.8	70-130		%Rec	1	6/25/2022 11:04:00 AM	68325

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

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

Page 4 of 32

## Analytical Report

Lab Order 2206C29

Date Reported: 7/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-3/1

Project: Mobil CI 7

Collection Date: 6/21/2022 10:02:00 AM

Lab ID: 2206C29-005

Matrix: SOIL

Received Date: 6/23/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	1000	60		mg/Kg	20	6/28/2022 2:42:34 AM	68393
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	6/27/2022 5:14:21 PM	68344
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	6/27/2022 5:14:21 PM	68344
Surr: DNOP	84.5	51.1-141		%Rec	1	6/27/2022 5:14:21 PM	68344
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/25/2022 11:24:00 AM	68325
Surr: BFB	89.2	37.7-212		%Rec	1	6/25/2022 11:24:00 AM	68325
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.023		mg/Kg	1	6/25/2022 11:24:00 AM	68325
Toluene	ND	0.047		mg/Kg	1	6/25/2022 11:24:00 AM	68325
Ethylbenzene	ND	0.047		mg/Kg	1	6/25/2022 11:24:00 AM	68325
Xylenes, Total	ND	0.094		mg/Kg	1	6/25/2022 11:24:00 AM	68325
Surr: 4-Bromofluorobenzene	87.9	70-130		%Rec	1	6/25/2022 11:24:00 AM	68325

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

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

Page 5 of 32



## Analytical Report

Lab Order 2206C29

Date Reported: 7/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-3/4

Project: Mobil CI 7

Collection Date: 6/21/2022 10:07:00 AM

Lab ID: 2206C29-006

Matrix: SOIL

Received Date: 6/23/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	580	60		mg/Kg	20	6/28/2022 2:54:59 AM	68393
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/27/2022 6:04:59 PM	68344
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/27/2022 6:04:59 PM	68344
Surr: DNOP	87.8	51.1-141		%Rec	1	6/27/2022 6:04:59 PM	68344
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/25/2022 11:44:00 AM	68325
Surr: BFB	94.7	37.7-212		%Rec	1	6/25/2022 11:44:00 AM	68325
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	6/25/2022 11:44:00 AM	68325
Toluene	ND	0.047		mg/Kg	1	6/25/2022 11:44:00 AM	68325
Ethylbenzene	ND	0.047		mg/Kg	1	6/25/2022 11:44:00 AM	68325
Xylenes, Total	ND	0.094		mg/Kg	1	6/25/2022 11:44:00 AM	68325
Surr: 4-Bromofluorobenzene	90.1	70-130		%Rec	1	6/25/2022 11:44:00 AM	68325

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

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

Page 6 of 32

## Analytical Report

Lab Order 2206C29

Date Reported: 7/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-4/0

Project: Mobil CI 7

Collection Date: 6/21/2022 10:50:00 AM

Lab ID: 2206C29-007

Matrix: SOIL

Received Date: 6/23/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	ND	59		mg/Kg	20	6/28/2022 1:31:26 PM	68410
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/27/2022 6:16:00 PM	68344
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	6/27/2022 6:16:00 PM	68344
Surr: DNOP	89.7	51.1-141		%Rec	1	6/27/2022 6:16:00 PM	68344
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/25/2022 12:04:00 PM	68325
Surr: BFB	91.6	37.7-212		%Rec	1	6/25/2022 12:04:00 PM	68325
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	6/25/2022 12:04:00 PM	68325
Toluene	ND	0.048		mg/Kg	1	6/25/2022 12:04:00 PM	68325
Ethylbenzene	ND	0.048		mg/Kg	1	6/25/2022 12:04:00 PM	68325
Xylenes, Total	ND	0.097		mg/Kg	1	6/25/2022 12:04:00 PM	68325
Surr: 4-Bromofluorobenzene	90.1	70-130		%Rec	1	6/25/2022 12:04:00 PM	68325

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

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

Page 7 of 32

## Analytical Report

Lab Order 2206C29

Date Reported: 7/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-4/2

Project: Mobil CI 7

Collection Date: 6/21/2022 10:54:00 AM

Lab ID: 2206C29-008

Matrix: SOIL

Received Date: 6/23/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	ND	60		mg/Kg	20	6/28/2022 1:43:51 PM	68410
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/27/2022 6:27:01 PM	68344
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/27/2022 6:27:01 PM	68344
Surr: DNOP	82.6	51.1-141		%Rec	1	6/27/2022 6:27:01 PM	68344
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/25/2022 12:24:00 PM	68325
Surr: BFB	94.8	37.7-212		%Rec	1	6/25/2022 12:24:00 PM	68325
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	6/25/2022 12:24:00 PM	68325
Toluene	ND	0.049		mg/Kg	1	6/25/2022 12:24:00 PM	68325
Ethylbenzene	ND	0.049		mg/Kg	1	6/25/2022 12:24:00 PM	68325
Xylenes, Total	ND	0.098		mg/Kg	1	6/25/2022 12:24:00 PM	68325
Surr: 4-Bromofluorobenzene	90.6	70-130		%Rec	1	6/25/2022 12:24:00 PM	68325

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

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

Page 8 of 32

## Analytical Report

Lab Order 2206C29

Date Reported: 7/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-5/0

Project: Mobil CI 7

Collection Date: 6/21/2022 11:01:00 AM

Lab ID: 2206C29-009

Matrix: SOIL

Received Date: 6/23/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	ND	60		mg/Kg	20	6/28/2022 1:56:15 PM	68410
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	6/27/2022 6:38:04 PM	68344
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/27/2022 6:38:04 PM	68344
Surr: DNOP	89.8	51.1-141		%Rec	1	6/27/2022 6:38:04 PM	68344
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/25/2022 12:44:00 PM	68325
Surr: BFB	92.7	37.7-212		%Rec	1	6/25/2022 12:44:00 PM	68325
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	6/25/2022 12:44:00 PM	68325
Toluene	ND	0.048		mg/Kg	1	6/25/2022 12:44:00 PM	68325
Ethylbenzene	ND	0.048		mg/Kg	1	6/25/2022 12:44:00 PM	68325
Xylenes, Total	ND	0.095		mg/Kg	1	6/25/2022 12:44:00 PM	68325
Surr: 4-Bromofluorobenzene	89.6	70-130		%Rec	1	6/25/2022 12:44:00 PM	68325

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

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

Page 9 of 32

## Analytical Report

Lab Order 2206C29

Date Reported: 7/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-5/2

Project: Mobil CI 7

Collection Date: 6/21/2022 11:05:00 AM

Lab ID: 2206C29-010

Matrix: SOIL

Received Date: 6/23/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	340	60		mg/Kg	20	6/28/2022 2:08:40 PM	68410
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	6/28/2022 2:59:16 PM	68387
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/28/2022 2:59:16 PM	68387
Surr: DNOP	83.7	51.1-141		%Rec	1	6/28/2022 2:59:16 PM	68387
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/25/2022 1:03:00 PM	68325
Surr: BFB	92.4	37.7-212		%Rec	1	6/25/2022 1:03:00 PM	68325
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	6/25/2022 1:03:00 PM	68325
Toluene	ND	0.050		mg/Kg	1	6/25/2022 1:03:00 PM	68325
Ethylbenzene	ND	0.050		mg/Kg	1	6/25/2022 1:03:00 PM	68325
Xylenes, Total	ND	0.10		mg/Kg	1	6/25/2022 1:03:00 PM	68325
Surr: 4-Bromofluorobenzene	90.3	70-130		%Rec	1	6/25/2022 1:03:00 PM	68325

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

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

Page 10 of 32



## Analytical Report

Lab Order 2206C29

Date Reported: 7/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-6/0

Project: Mobil CI 7

Collection Date: 6/21/2022 11:20:00 AM

Lab ID: 2206C29-011

Matrix: SOIL

Received Date: 6/23/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	ND	59		mg/Kg	20	6/28/2022 2:21:04 PM	68410
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	6/28/2022 4:11:51 PM	68387
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/28/2022 4:11:51 PM	68387
Surr: DNOP	101	51.1-141		%Rec	1	6/28/2022 4:11:51 PM	68387
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/25/2022 1:23:00 PM	68325
Surr: BFB	91.2	37.7-212		%Rec	1	6/25/2022 1:23:00 PM	68325
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	6/25/2022 1:23:00 PM	68325
Toluene	ND	0.047		mg/Kg	1	6/25/2022 1:23:00 PM	68325
Ethylbenzene	ND	0.047		mg/Kg	1	6/25/2022 1:23:00 PM	68325
Xylenes, Total	ND	0.095		mg/Kg	1	6/25/2022 1:23:00 PM	68325
Surr: 4-Bromofluorobenzene	89.1	70-130		%Rec	1	6/25/2022 1:23:00 PM	68325

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

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

Page 11 of 32

## Analytical Report

Lab Order 2206C29

Date Reported: 7/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-6/2

Project: Mobil CI 7

Collection Date: 6/21/2022 11:24:00 AM

Lab ID: 2206C29-012

Matrix: SOIL

Received Date: 6/23/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	140	60		mg/Kg	20	6/28/2022 2:33:29 PM	68410
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	6/28/2022 4:35:59 PM	68387
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/28/2022 4:35:59 PM	68387
Surr: DNOP	93.7	51.1-141		%Rec	1	6/28/2022 4:35:59 PM	68387
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/25/2022 1:43:00 PM	68325
Surr: BFB	94.4	37.7-212		%Rec	1	6/25/2022 1:43:00 PM	68325
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	6/25/2022 1:43:00 PM	68325
Toluene	ND	0.049		mg/Kg	1	6/25/2022 1:43:00 PM	68325
Ethylbenzene	ND	0.049		mg/Kg	1	6/25/2022 1:43:00 PM	68325
Xylenes, Total	ND	0.097		mg/Kg	1	6/25/2022 1:43:00 PM	68325
Surr: 4-Bromofluorobenzene	90.5	70-130		%Rec	1	6/25/2022 1:43:00 PM	68325

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

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

Page 12 of 32

## Analytical Report

Lab Order 2206C29

Date Reported: 7/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-7/0

Project: Mobil CI 7

Collection Date: 6/21/2022 11:32:00 AM

Lab ID: 2206C29-013

Matrix: SOIL

Received Date: 6/23/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	ND	60		mg/Kg	20	6/28/2022 3:35:32 PM	68410
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	6/29/2022 7:54:35 AM	68350
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/29/2022 7:54:35 AM	68350
Surr: DNOP	112	51.1-141		%Rec	1	6/29/2022 7:54:35 AM	68350
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/27/2022 9:13:56 AM	68329
Surr: BFB	96.7	37.7-212		%Rec	1	6/27/2022 9:13:56 AM	68329
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	6/27/2022 9:13:56 AM	68329
Toluene	ND	0.048		mg/Kg	1	6/27/2022 9:13:56 AM	68329
Ethylbenzene	ND	0.048		mg/Kg	1	6/27/2022 9:13:56 AM	68329
Xylenes, Total	ND	0.097		mg/Kg	1	6/27/2022 9:13:56 AM	68329
Surr: 4-Bromofluorobenzene	91.7	70-130		%Rec	1	6/27/2022 9:13:56 AM	68329

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

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

Page 13 of 32

## Analytical Report

Lab Order 2206C29

Date Reported: 7/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-7/2

Project: Mobil CI 7

Collection Date: 6/21/2022 11:36:00 AM

Lab ID: 2206C29-014

Matrix: SOIL

Received Date: 6/23/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	320	60		mg/Kg	20	6/28/2022 3:47:56 PM	68410
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	6/29/2022 8:05:00 AM	68350
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/29/2022 8:05:00 AM	68350
Surr: DNOP	92.6	51.1-141		%Rec	1	6/29/2022 8:05:00 AM	68350
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/27/2022 10:24:16 AM	68329
Surr: BFB	98.4	37.7-212		%Rec	1	6/27/2022 10:24:16 AM	68329
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	6/27/2022 10:24:16 AM	68329
Toluene	ND	0.048		mg/Kg	1	6/27/2022 10:24:16 AM	68329
Ethylbenzene	ND	0.048		mg/Kg	1	6/27/2022 10:24:16 AM	68329
Xylenes, Total	ND	0.096		mg/Kg	1	6/27/2022 10:24:16 AM	68329
Surr: 4-Bromofluorobenzene	92.1	70-130		%Rec	1	6/27/2022 10:24:16 AM	68329

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

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

Page 14 of 32

## Analytical Report

Lab Order 2206C29

Date Reported: 7/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-8/0

Project: Mobil CI 7

Collection Date: 6/21/2022 11:42:00 AM

Lab ID: 2206C29-015

Matrix: SOIL

Received Date: 6/23/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	1500	60		mg/Kg	20	6/28/2022 4:25:11 PM	68410
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	6/29/2022 10:46:56 PM	68350
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/29/2022 10:46:56 PM	68350
Surr: DNOP	125	51.1-141		%Rec	1	6/29/2022 10:46:56 PM	68350
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/27/2022 11:34:35 AM	68329
Surr: BFB	92.3	37.7-212		%Rec	1	6/27/2022 11:34:35 AM	68329
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	6/27/2022 11:34:35 AM	68329
Toluene	ND	0.048		mg/Kg	1	6/27/2022 11:34:35 AM	68329
Ethylbenzene	ND	0.048		mg/Kg	1	6/27/2022 11:34:35 AM	68329
Xylenes, Total	ND	0.096		mg/Kg	1	6/27/2022 11:34:35 AM	68329
Surr: 4-Bromofluorobenzene	89.6	70-130		%Rec	1	6/27/2022 11:34:35 AM	68329

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

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

Page 15 of 32



## Analytical Report

Lab Order 2206C29

Date Reported: 7/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-8/4

Project: Mobil CI 7

Collection Date: 6/21/2022 11:50:00 AM

Lab ID: 2206C29-016

Matrix: SOIL

Received Date: 6/23/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	640	59		mg/Kg	20	6/28/2022 4:37:35 PM	68410
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	6/29/2022 11:10:49 PM	68350
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/29/2022 11:10:49 PM	68350
Surr: DNOP	96.0	51.1-141		%Rec	1	6/29/2022 11:10:49 PM	68350
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/27/2022 11:58:07 AM	68329
Surr: BFB	93.0	37.7-212		%Rec	1	6/27/2022 11:58:07 AM	68329
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	6/27/2022 11:58:07 AM	68329
Toluene	ND	0.048		mg/Kg	1	6/27/2022 11:58:07 AM	68329
Ethylbenzene	ND	0.048		mg/Kg	1	6/27/2022 11:58:07 AM	68329
Xylenes, Total	ND	0.097		mg/Kg	1	6/27/2022 11:58:07 AM	68329
Surr: 4-Bromofluorobenzene	89.8	70-130		%Rec	1	6/27/2022 11:58:07 AM	68329

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

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

Page 16 of 32

## Analytical Report

Lab Order 2206C29

Date Reported: 7/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-9/1

Project: Mobil CI 7

Collection Date: 6/21/2022 1:12:00 PM

Lab ID: 2206C29-017

Matrix: SOIL

Received Date: 6/23/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	170	60		mg/Kg	20	6/28/2022 4:50:01 PM	68410
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	6/29/2022 11:34:39 PM	68350
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/29/2022 11:34:39 PM	68350
Surr: DNOP	91.9	51.1-141		%Rec	1	6/29/2022 11:34:39 PM	68350
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/27/2022 12:21:31 PM	68329
Surr: BFB	95.6	37.7-212		%Rec	1	6/27/2022 12:21:31 PM	68329
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	6/27/2022 12:21:31 PM	68329
Toluene	ND	0.048		mg/Kg	1	6/27/2022 12:21:31 PM	68329
Ethylbenzene	ND	0.048		mg/Kg	1	6/27/2022 12:21:31 PM	68329
Xylenes, Total	ND	0.097		mg/Kg	1	6/27/2022 12:21:31 PM	68329
Surr: 4-Bromofluorobenzene	89.7	70-130		%Rec	1	6/27/2022 12:21:31 PM	68329

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

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

Page 17 of 32

## Analytical Report

Lab Order 2206C29

Date Reported: 7/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-9/4

Project: Mobil CI 7

Collection Date: 6/21/2022 1:18:00 PM

Lab ID: 2206C29-018

Matrix: SOIL

Received Date: 6/23/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	530	60		mg/Kg	20	6/28/2022 5:02:26 PM	68410
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	6/29/2022 11:58:22 PM	68350
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/29/2022 11:58:22 PM	68350
Surr: DNOP	98.0	51.1-141		%Rec	1	6/29/2022 11:58:22 PM	68350
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/27/2022 12:44:59 PM	68329
Surr: BFB	93.8	37.7-212		%Rec	1	6/27/2022 12:44:59 PM	68329
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	6/27/2022 12:44:59 PM	68329
Toluene	ND	0.048		mg/Kg	1	6/27/2022 12:44:59 PM	68329
Ethylbenzene	ND	0.048		mg/Kg	1	6/27/2022 12:44:59 PM	68329
Xylenes, Total	ND	0.096		mg/Kg	1	6/27/2022 12:44:59 PM	68329
Surr: 4-Bromofluorobenzene	90.1	70-130		%Rec	1	6/27/2022 12:44:59 PM	68329

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

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

Page 18 of 32

## Analytical Report

Lab Order 2206C29

Date Reported: 7/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-10/2

Project: Mobil CI 7

Collection Date: 6/21/2022 1:41:00 PM

Lab ID: 2206C29-019

Matrix: SOIL

Received Date: 6/23/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	270	59		mg/Kg	20	6/28/2022 5:39:40 PM	68410
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	6/30/2022 12:22:09 AM	68350
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/30/2022 12:22:09 AM	68350
Surr: DNOP	97.0	51.1-141		%Rec	1	6/30/2022 12:22:09 AM	68350
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/27/2022 1:08:27 PM	68329
Surr: BFB	95.3	37.7-212		%Rec	1	6/27/2022 1:08:27 PM	68329
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	6/27/2022 1:08:27 PM	68329
Toluene	ND	0.049		mg/Kg	1	6/27/2022 1:08:27 PM	68329
Ethylbenzene	ND	0.049		mg/Kg	1	6/27/2022 1:08:27 PM	68329
Xylenes, Total	ND	0.099		mg/Kg	1	6/27/2022 1:08:27 PM	68329
Surr: 4-Bromofluorobenzene	91.0	70-130		%Rec	1	6/27/2022 1:08:27 PM	68329

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

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

Page 19 of 32



## Analytical Report

Lab Order 2206C29

Date Reported: 7/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-10/4

Project: Mobil CI 7

Collection Date: 6/21/2022 1:45:00 PM

Lab ID: 2206C29-020

Matrix: SOIL

Received Date: 6/23/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	820	60		mg/Kg	20	6/28/2022 5:52:04 PM	68410
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	6/30/2022 12:45:57 AM	68350
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/30/2022 12:45:57 AM	68350
Surr: DNOP	89.3	51.1-141		%Rec	1	6/30/2022 12:45:57 AM	68350
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/27/2022 1:31:57 PM	68329
Surr: BFB	94.2	37.7-212		%Rec	1	6/27/2022 1:31:57 PM	68329
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	6/27/2022 1:31:57 PM	68329
Toluene	ND	0.048		mg/Kg	1	6/27/2022 1:31:57 PM	68329
Ethylbenzene	ND	0.048		mg/Kg	1	6/27/2022 1:31:57 PM	68329
Xylenes, Total	ND	0.097		mg/Kg	1	6/27/2022 1:31:57 PM	68329
Surr: 4-Bromofluorobenzene	90.6	70-130		%Rec	1	6/27/2022 1:31:57 PM	68329

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

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

Page 20 of 32

## Analytical Report

Lab Order 2206C29

Date Reported: 7/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-11/1

Project: Mobil CI 7

Collection Date: 6/21/2022 1:59:00 PM

Lab ID: 2206C29-021

Matrix: SOIL

Received Date: 6/23/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	ND	60		mg/Kg	20	6/28/2022 6:04:29 PM	68410
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	6/30/2022 1:09:45 AM	68350
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/30/2022 1:09:45 AM	68350
Surr: DNOP	94.7	51.1-141		%Rec	1	6/30/2022 1:09:45 AM	68350
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/27/2022 1:55:20 PM	68329
Surr: BFB	98.7	37.7-212		%Rec	1	6/27/2022 1:55:20 PM	68329
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	6/27/2022 1:55:20 PM	68329
Toluene	ND	0.050		mg/Kg	1	6/27/2022 1:55:20 PM	68329
Ethylbenzene	ND	0.050		mg/Kg	1	6/27/2022 1:55:20 PM	68329
Xylenes, Total	ND	0.099		mg/Kg	1	6/27/2022 1:55:20 PM	68329
Surr: 4-Bromofluorobenzene	90.5	70-130		%Rec	1	6/27/2022 1:55:20 PM	68329

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

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

Page 21 of 32

## Analytical Report

Lab Order 2206C29

Date Reported: 7/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-11/4

Project: Mobil CI 7

Collection Date: 6/21/2022 2:05:00 PM

Lab ID: 2206C29-022

Matrix: SOIL

Received Date: 6/23/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	ND	60		mg/Kg	20	6/28/2022 6:16:54 PM	68410
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/30/2022 1:33:33 AM	68350
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/30/2022 1:33:33 AM	68350
Surr: DNOP	124	51.1-141		%Rec	1	6/30/2022 1:33:33 AM	68350
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/27/2022 2:18:48 PM	68329
Surr: BFB	94.7	37.7-212		%Rec	1	6/27/2022 2:18:48 PM	68329
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	6/27/2022 2:18:48 PM	68329
Toluene	ND	0.049		mg/Kg	1	6/27/2022 2:18:48 PM	68329
Ethylbenzene	ND	0.049		mg/Kg	1	6/27/2022 2:18:48 PM	68329
Xylenes, Total	ND	0.097		mg/Kg	1	6/27/2022 2:18:48 PM	68329
Surr: 4-Bromofluorobenzene	91.3	70-130		%Rec	1	6/27/2022 2:18:48 PM	68329

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

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

Page 22 of 32

## Analytical Report

Lab Order 2206C29

Date Reported: 7/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-12/1

Project: Mobil CI 7

Collection Date: 6/21/2022 2:17:00 PM

Lab ID: 2206C29-023

Matrix: SOIL

Received Date: 6/23/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	ND	60		mg/Kg	20	6/28/2022 6:29:18 PM	68410
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	6/30/2022 1:57:20 AM	68350
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/30/2022 1:57:20 AM	68350
Surr: DNOP	93.3	51.1-141		%Rec	1	6/30/2022 1:57:20 AM	68350
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/27/2022 3:29:12 PM	68329
Surr: BFB	97.9	37.7-212		%Rec	1	6/27/2022 3:29:12 PM	68329
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	6/27/2022 3:29:12 PM	68329
Toluene	ND	0.049		mg/Kg	1	6/27/2022 3:29:12 PM	68329
Ethylbenzene	ND	0.049		mg/Kg	1	6/27/2022 3:29:12 PM	68329
Xylenes, Total	ND	0.098		mg/Kg	1	6/27/2022 3:29:12 PM	68329
Surr: 4-Bromofluorobenzene	93.4	70-130		%Rec	1	6/27/2022 3:29:12 PM	68329

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

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



## Analytical Report

Lab Order 2206C29

Date Reported: 7/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-12/4

Project: Mobil CI 7

Collection Date: 6/21/2022 2:33:00 PM

Lab ID: 2206C29-024

Matrix: SOIL

Received Date: 6/23/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	400	60		mg/Kg	20	6/28/2022 6:41:42 PM	68410
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/29/2022 8:47:39 PM	68350
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/29/2022 8:47:39 PM	68350
Surr: DNOP	92.8	51.1-141		%Rec	1	6/29/2022 8:47:39 PM	68350
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/27/2022 3:52:39 PM	68329
Surr: BFB	102	37.7-212		%Rec	1	6/27/2022 3:52:39 PM	68329
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	6/27/2022 3:52:39 PM	68329
Toluene	ND	0.050		mg/Kg	1	6/27/2022 3:52:39 PM	68329
Ethylbenzene	ND	0.050		mg/Kg	1	6/27/2022 3:52:39 PM	68329
Xylenes, Total	ND	0.099		mg/Kg	1	6/27/2022 3:52:39 PM	68329
Surr: 4-Bromofluorobenzene	92.8	70-130		%Rec	1	6/27/2022 3:52:39 PM	68329

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

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

Page 24 of 32

## Analytical Report

Lab Order 2206C29

Date Reported: 7/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-13/1

Project: Mobil CI 7

Collection Date: 6/21/2022 1:35:00 PM

Lab ID: 2206C29-025

Matrix: SOIL

Received Date: 6/23/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	ND	60		mg/Kg	20	6/28/2022 6:54:07 PM	68410
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	6/29/2022 9:11:35 PM	68350
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/29/2022 9:11:35 PM	68350
Surr: DNOP	90.9	51.1-141		%Rec	1	6/29/2022 9:11:35 PM	68350
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/27/2022 4:16:07 PM	68329
Surr: BFB	98.5	37.7-212		%Rec	1	6/27/2022 4:16:07 PM	68329
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	6/27/2022 4:16:07 PM	68329
Toluene	ND	0.049		mg/Kg	1	6/27/2022 4:16:07 PM	68329
Ethylbenzene	ND	0.049		mg/Kg	1	6/27/2022 4:16:07 PM	68329
Xylenes, Total	ND	0.098		mg/Kg	1	6/27/2022 4:16:07 PM	68329
Surr: 4-Bromofluorobenzene	93.0	70-130		%Rec	1	6/27/2022 4:16:07 PM	68329

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

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

Page 25 of 32

## Analytical Report

Lab Order 2206C29

Date Reported: 7/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-13/4

Project: Mobil CI 7

Collection Date: 6/21/2022 2:41:00 PM

Lab ID: 2206C29-026

Matrix: SOIL

Received Date: 6/23/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	ND	59		mg/Kg	20	6/28/2022 7:06:31 PM	68410
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	6/29/2022 9:35:32 PM	68350
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/29/2022 9:35:32 PM	68350
Surr: DNOP	89.8	51.1-141		%Rec	1	6/29/2022 9:35:32 PM	68350
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/27/2022 4:39:32 PM	68329
Surr: BFB	96.2	37.7-212		%Rec	1	6/27/2022 4:39:32 PM	68329
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	6/27/2022 4:39:32 PM	68329
Toluene	ND	0.048		mg/Kg	1	6/27/2022 4:39:32 PM	68329
Ethylbenzene	ND	0.048		mg/Kg	1	6/27/2022 4:39:32 PM	68329
Xylenes, Total	ND	0.097		mg/Kg	1	6/27/2022 4:39:32 PM	68329
Surr: 4-Bromofluorobenzene	93.1	70-130		%Rec	1	6/27/2022 4:39:32 PM	68329

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

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

Page 26 of 32

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

WO#: 2206C29

07-Jul-22

**Client:** EOG  
**Project:** Mobil CI 7

Sample ID: <b>MB-68393</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>68393</b>	RunNo: <b>89045</b>								
Prep Date: <b>6/27/2022</b>	Analysis Date: <b>6/27/2022</b>	SeqNo: <b>3164388</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-68393</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>68393</b>	RunNo: <b>89045</b>								
Prep Date: <b>6/27/2022</b>	Analysis Date: <b>6/27/2022</b>	SeqNo: <b>3164389</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.6	90	110			

Sample ID: <b>MB-68410</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>68410</b>	RunNo: <b>89108</b>								
Prep Date: <b>6/28/2022</b>	Analysis Date: <b>6/28/2022</b>	SeqNo: <b>3166474</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-68410</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>68410</b>	RunNo: <b>89108</b>								
Prep Date: <b>6/28/2022</b>	Analysis Date: <b>6/28/2022</b>	SeqNo: <b>3166475</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	90.9	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#: 2206C29

07-Jul-22

**Client:** EOG  
**Project:** Mobil CI 7

Sample ID: <b>LCS-68344</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>68344</b>		RunNo: <b>89051</b>							
Prep Date: <b>6/24/2022</b>	Analysis Date: <b>6/27/2022</b>		SeqNo: <b>3162989</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	15	50.00	0	98.5	64.4	127			
Surr: DNOP	4.4		5.000		87.0	51.1	141			

Sample ID: <b>MB-68344</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>PBS</b>	Batch ID: <b>68344</b>		RunNo: <b>89051</b>							
Prep Date: <b>6/24/2022</b>	Analysis Date: <b>6/27/2022</b>		SeqNo: <b>3162990</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.7		10.00		97.3	51.1	141			

Sample ID: <b>LCS-68350</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>68350</b>		RunNo: <b>89082</b>							
Prep Date: <b>6/27/2022</b>	Analysis Date: <b>6/29/2022</b>		SeqNo: <b>3166131</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	15	50.00	0	98.2	64.4	127			
Surr: DNOP	4.8		5.000		95.5	51.1	141			

Sample ID: <b>MB-68350</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>PBS</b>	Batch ID: <b>68350</b>		RunNo: <b>89082</b>							
Prep Date: <b>6/27/2022</b>	Analysis Date: <b>6/29/2022</b>		SeqNo: <b>3166136</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	7.8		10.00		78.2	51.1	141			

Sample ID: <b>MB-68387</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>PBS</b>	Batch ID: <b>68387</b>		RunNo: <b>89114</b>							
Prep Date: <b>6/27/2022</b>	Analysis Date: <b>6/28/2022</b>		SeqNo: <b>3168746</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.4		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#: 2206C29

07-Jul-22

**Client:** EOG  
**Project:** Mobil CI 7

Sample ID: <b>LCS-68387</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>68387</b>			RunNo: <b>89114</b>						
Prep Date: <b>6/27/2022</b>	Analysis Date: <b>6/28/2022</b>			SeqNo: <b>3168747</b>	Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	15	50.00	0	96.0	64.4	127			
Surr: DNOP	5.2		5.000		104	51.1	141			

Sample ID: <b>MB-68386</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>PBS</b>	Batch ID: <b>68386</b>			RunNo: <b>89114</b>						
Prep Date: <b>6/27/2022</b>	Analysis Date: <b>6/28/2022</b>			SeqNo: <b>3168753</b>	Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.6		10.00		96.1	51.1	141			

Sample ID: <b>LCS-68386</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>68386</b>			RunNo: <b>89114</b>						
Prep Date: <b>6/27/2022</b>	Analysis Date: <b>6/28/2022</b>			SeqNo: <b>3168754</b>	Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.1		5.000		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		

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

WO#: 2206C29

07-Jul-22

**Client:** EOG  
**Project:** Mobil CI 7

Sample ID: <b>ics-68325</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>68325</b>		RunNo: <b>89028</b>							
Prep Date: <b>6/23/2022</b>	Analysis Date: <b>6/25/2022</b>		SeqNo: <b>3161684</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	100	72.3	137			
Surr: BFB	1900		1000		193	37.7	212			

Sample ID: <b>mb-68325</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>68325</b>		RunNo: <b>89028</b>							
Prep Date: <b>6/23/2022</b>	Analysis Date: <b>6/25/2022</b>		SeqNo: <b>3161685</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	860		1000		86.2	37.7	212			

Sample ID: <b>mb-68329</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>68329</b>		RunNo: <b>89055</b>							
Prep Date: <b>6/23/2022</b>	Analysis Date: <b>6/27/2022</b>		SeqNo: <b>3163024</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		99.6	37.7	212			

Sample ID: <b>ics-68329</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>68329</b>		RunNo: <b>89055</b>							
Prep Date: <b>6/23/2022</b>	Analysis Date: <b>6/27/2022</b>		SeqNo: <b>3163025</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	107	72.3	137			
Surr: BFB	2100		1000		210	37.7	212			

Sample ID: <b>mb-68369</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>68369</b>		RunNo: <b>89055</b>							
Prep Date: <b>6/26/2022</b>	Analysis Date: <b>6/27/2022</b>		SeqNo: <b>3163048</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	960		1000		95.5	37.7	212			

Sample ID: <b>ics-68369</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>68369</b>		RunNo: <b>89055</b>							
Prep Date: <b>6/26/2022</b>	Analysis Date: <b>6/27/2022</b>		SeqNo: <b>3163049</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	2100		1000		207	37.7	212			

**Qualifiers:**

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	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#: 2206C29

07-Jul-22

**Client:** EOG  
**Project:** Mobil CI 7

Sample ID: <b>lcs-68325</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>68325</b>			RunNo: <b>89028</b>						
Prep Date: <b>6/23/2022</b>	Analysis Date: <b>6/25/2022</b>			SeqNo: <b>3161756</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	91.4	80	120			
Toluene	0.92	0.050	1.000	0	91.7	80	120			
Ethylbenzene	0.91	0.050	1.000	0	90.8	80	120			
Xylenes, Total	2.7	0.10	3.000	0	90.2	80	120			
Surr: 4-Bromofluorobenzene	0.85		1.000		84.5	70	130			

Sample ID: <b>mb-68325</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>PBS</b>	Batch ID: <b>68325</b>			RunNo: <b>89028</b>						
Prep Date: <b>6/23/2022</b>	Analysis Date: <b>6/25/2022</b>			SeqNo: <b>3161757</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.85		1.000		84.8	70	130			

Sample ID: <b>mb-68329</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>PBS</b>	Batch ID: <b>68329</b>			RunNo: <b>89055</b>						
Prep Date: <b>6/23/2022</b>	Analysis Date: <b>6/27/2022</b>			SeqNo: <b>3163072</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.95		1.000		94.6	70	130			

Sample ID: <b>LCS-68329</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>68329</b>			RunNo: <b>89055</b>						
Prep Date: <b>6/23/2022</b>	Analysis Date: <b>6/27/2022</b>			SeqNo: <b>3163073</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.82	0.025	1.000	0	81.5	80	120			
Toluene	0.86	0.050	1.000	0	85.6	80	120			
Ethylbenzene	0.86	0.050	1.000	0	86.5	80	120			
Xylenes, Total	2.6	0.10	3.000	0	87.4	80	120			
Surr: 4-Bromofluorobenzene	0.93		1.000		93.1	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#: 2206C29

07-Jul-22

**Client:** EOG  
**Project:** Mobil CI 7

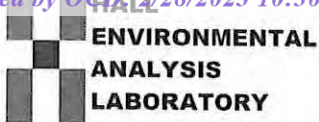
Sample ID: <b>mb-68369</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>PBS</b>	Batch ID: <b>68369</b>			RunNo: <b>89055</b>						
Prep Date: <b>6/26/2022</b>	Analysis Date: <b>6/27/2022</b>			SeqNo: <b>3163096</b>	Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.92		1.000		91.5	70	130			

Sample ID: <b>LCS-68369</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>68369</b>			RunNo: <b>89055</b>						
Prep Date: <b>6/26/2022</b>	Analysis Date: <b>6/27/2022</b>			SeqNo: <b>3163097</b>	Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.95		1.000		95.5	70	130			

### Qualifiers:

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

Page 32 of 32



## Sample Log-In Check List

Client Name: EOG

Work Order Number: 2206C29

RcptNo: 1

Received By: Juan Rojas

6/23/2022 7:20:00 AM

*Juan Rojas*

Completed By: Sean Livingston

6/23/2022 8:10:46 AM

*Sean Livingston*Reviewed By: *JA 6/23/22***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  $6.0^{\circ}\text{C}$ ? 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:

(&lt;2 or &gt;12 unless noted)

Adjusted? ☐Checked by: *WPG 6.23.22***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	0.7	Good				





# Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.

Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210

Ranger: PO Box 201179, Austin TX 78720

Phone #: 521-335-1785

email or Fax#: Will@RangerEnv.com

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☒ NELAC ☐ Other

EDD (Type) Excel

Turn-Around Time:

☐ Standard ☒ Rush 5-day TAT

Project Name:

Mo bi: 1 CE #7

Project #: 5375

Project Manager: W. Kierdorf

Sampler: W. Kennedy & J. Matthews

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp (including CF): 0.9-0.2 = 0.7

Container Type and # Preservative Type HEAL No.

12462-100 FCE 013

1136 1136 TH-7/10 014

1142 1142 TH-8/10 015

1150 1150 TH-8/14 016

1812 1812 TH-9/1 017

1318 1318 TH-9/14 018

134 134 TH-10/2 019

1345 1345 TH-10/4 020

1359 1359 TH-11/1 021

1405 1405 TH-11/4 022

1474 1474 TH-12/1 023

1433 1433 TH-12/4 024

Date: 6/22/2023 Time: 8:15

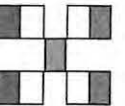
Relinquished by: [Signature]

Received by: [Signature] Date: 6/20/2023 Time: 8:15

Via: [Signature]

Received by: [Signature] Date: 6/23/2023 Time: 7:20

Remarks: Bill to EOG Artesia



**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

BTEX (8021)  
TPH:8015D(GRO / DRO / MRO)  
Chloride (EPA 300)

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: [www.hallenvironmental.com](http://www.hallenvironmental.com)

January 30, 2023

Will Kierdorf

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX:

RE: Mobil CI 7

OrderNo.: 2301708

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 24 sample(s) on 1/19/2023 for the analyses presented in the following report.

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

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

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

Sincerely,

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

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

## Analytical Report

Lab Order 2301708

Date Reported: 1/30/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: W-1

Project: Mobil CI 7

Collection Date: 1/17/2023 11:00:00 AM

Lab ID: 2301708-001

Matrix: SOIL

Received Date: 1/19/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	300	59		mg/Kg	20	1/20/2023 1:03:30 PM	72728
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	1/20/2023 7:06:33 PM	72720
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	1/20/2023 7:06:33 PM	72720
Surr: DNOP	90.5	69-147		%Rec	1	1/20/2023 7:06:33 PM	72720
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/20/2023 5:19:43 PM	72714
Surr: BFB	104	37.7-212		%Rec	1	1/20/2023 5:19:43 PM	72714
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	1/20/2023 5:19:43 PM	72714
Toluene	ND	0.049		mg/Kg	1	1/20/2023 5:19:43 PM	72714
Ethylbenzene	ND	0.049		mg/Kg	1	1/20/2023 5:19:43 PM	72714
Xylenes, Total	ND	0.099		mg/Kg	1	1/20/2023 5:19:43 PM	72714
Surr: 4-Bromofluorobenzene	99.2	70-130		%Rec	1	1/20/2023 5:19:43 PM	72714

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Page 1 of 29

## Analytical Report

Lab Order 2301708

Date Reported: 1/30/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: W-2

Project: Mobil CI 7

Collection Date: 1/17/2023 11:02:00 AM

Lab ID: 2301708-002

Matrix: SOIL

Received Date: 1/19/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	1400	60		mg/Kg	20	1/20/2023 2:05:14 PM	72728
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	1/20/2023 7:17:04 PM	72720
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	1/20/2023 7:17:04 PM	72720
Surr: DNOP	93.3	69-147		%Rec	1	1/20/2023 7:17:04 PM	72720
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/20/2023 5:43:09 PM	72714
Surr: BFB	104	37.7-212		%Rec	1	1/20/2023 5:43:09 PM	72714
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	1/20/2023 5:43:09 PM	72714
Toluene	ND	0.049		mg/Kg	1	1/20/2023 5:43:09 PM	72714
Ethylbenzene	ND	0.049		mg/Kg	1	1/20/2023 5:43:09 PM	72714
Xylenes, Total	ND	0.098		mg/Kg	1	1/20/2023 5:43:09 PM	72714
Surr: 4-Bromofluorobenzene	96.1	70-130		%Rec	1	1/20/2023 5:43:09 PM	72714

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Page 2 of 29

## Analytical Report

Lab Order 2301708

Date Reported: 1/30/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: W-3

Project: Mobil CI 7

Collection Date: 1/17/2023 11:04:00 AM

Lab ID: 2301708-003

Matrix: SOIL

Received Date: 1/19/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	210	60		mg/Kg	20	1/20/2023 2:42:16 PM	72728
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	1/20/2023 7:27:37 PM	72720
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	1/20/2023 7:27:37 PM	72720
Surr: DNOP	117	69-147		%Rec	1	1/20/2023 7:27:37 PM	72720
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/20/2023 6:06:33 PM	72714
Surr: BFB	103	37.7-212		%Rec	1	1/20/2023 6:06:33 PM	72714
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	1/20/2023 6:06:33 PM	72714
Toluene	ND	0.049		mg/Kg	1	1/20/2023 6:06:33 PM	72714
Ethylbenzene	ND	0.049		mg/Kg	1	1/20/2023 6:06:33 PM	72714
Xylenes, Total	ND	0.097		mg/Kg	1	1/20/2023 6:06:33 PM	72714
Surr: 4-Bromofluorobenzene	96.1	70-130		%Rec	1	1/20/2023 6:06:33 PM	72714

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Page 3 of 29



## Analytical Report

Lab Order 2301708

Date Reported: 1/30/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: W-4

Project: Mobil CI 7

Collection Date: 1/17/2023 11:06:00 AM

Lab ID: 2301708-004

Matrix: SOIL

Received Date: 1/19/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	210	60		mg/Kg	20	1/20/2023 2:54:37 PM	72728
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	1/20/2023 7:38:08 PM	72720
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	1/20/2023 7:38:08 PM	72720
Surr: DNOP	79.0	69-147		%Rec	1	1/20/2023 7:38:08 PM	72720
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	1/20/2023 6:29:58 PM	72714
Surr: BFB	103	37.7-212		%Rec	1	1/20/2023 6:29:58 PM	72714
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	1/20/2023 6:29:58 PM	72714
Toluene	ND	0.050		mg/Kg	1	1/20/2023 6:29:58 PM	72714
Ethylbenzene	ND	0.050		mg/Kg	1	1/20/2023 6:29:58 PM	72714
Xylenes, Total	ND	0.10		mg/Kg	1	1/20/2023 6:29:58 PM	72714
Surr: 4-Bromofluorobenzene	97.1	70-130		%Rec	1	1/20/2023 6:29:58 PM	72714

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Page 4 of 29

## Analytical Report

Lab Order 2301708

Date Reported: 1/30/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-1

Project: Mobil CI 7

Collection Date: 1/17/2023 11:30:00 AM

Lab ID: 2301708-005

Matrix: SOIL

Received Date: 1/19/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	880	59		mg/Kg	20	1/20/2023 3:06:57 PM	72728
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	1/20/2023 7:48:39 PM	72720
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	1/20/2023 7:48:39 PM	72720
Surr: DNOP	110	69-147		%Rec	1	1/20/2023 7:48:39 PM	72720
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/20/2023 6:53:25 PM	72714
Surr: BFB	103	37.7-212		%Rec	1	1/20/2023 6:53:25 PM	72714
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	1/20/2023 6:53:25 PM	72714
Toluene	ND	0.048		mg/Kg	1	1/20/2023 6:53:25 PM	72714
Ethylbenzene	ND	0.048		mg/Kg	1	1/20/2023 6:53:25 PM	72714
Xylenes, Total	ND	0.097		mg/Kg	1	1/20/2023 6:53:25 PM	72714
Surr: 4-Bromofluorobenzene	96.6	70-130		%Rec	1	1/20/2023 6:53:25 PM	72714

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Page 5 of 29

## Analytical Report

Lab Order 2301708

Date Reported: 1/30/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-2

Project: Mobil CI 7

Collection Date: 1/17/2023 11:32:00 AM

Lab ID: 2301708-006

Matrix: SOIL

Received Date: 1/19/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	640	60		mg/Kg	20	1/20/2023 3:19:18 PM	72728
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	1/20/2023 7:59:09 PM	72720
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	1/20/2023 7:59:09 PM	72720
Surr: DNOP	78.1	69-147		%Rec	1	1/20/2023 7:59:09 PM	72720
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/20/2023 8:03:26 PM	72714
Surr: BFB	105	37.7-212		%Rec	1	1/20/2023 8:03:26 PM	72714
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	1/20/2023 8:03:26 PM	72714
Toluene	ND	0.047		mg/Kg	1	1/20/2023 8:03:26 PM	72714
Ethylbenzene	ND	0.047		mg/Kg	1	1/20/2023 8:03:26 PM	72714
Xylenes, Total	ND	0.094		mg/Kg	1	1/20/2023 8:03:26 PM	72714
Surr: 4-Bromofluorobenzene	98.7	70-130		%Rec	1	1/20/2023 8:03:26 PM	72714

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Page 6 of 29

## Analytical Report

Lab Order 2301708

Date Reported: 1/30/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-3

Project: Mobil CI 7

Collection Date: 1/17/2023 11:34:00 AM

Lab ID: 2301708-007

Matrix: SOIL

Received Date: 1/19/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	660	61		mg/Kg	20	1/20/2023 3:31:39 PM	72728
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	1/25/2023 3:36:40 PM	72720
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	1/25/2023 3:36:40 PM	72720
Surr: DNOP	80.7	69-147		%Rec	1	1/25/2023 3:36:40 PM	72720
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/20/2023 8:26:42 PM	72714
Surr: BFB	104	37.7-212		%Rec	1	1/20/2023 8:26:42 PM	72714
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	1/20/2023 8:26:42 PM	72714
Toluene	ND	0.048		mg/Kg	1	1/20/2023 8:26:42 PM	72714
Ethylbenzene	ND	0.048		mg/Kg	1	1/20/2023 8:26:42 PM	72714
Xylenes, Total	ND	0.097		mg/Kg	1	1/20/2023 8:26:42 PM	72714
Surr: 4-Bromofluorobenzene	97.8	70-130		%Rec	1	1/20/2023 8:26:42 PM	72714

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Page 7 of 29



## Analytical Report

Lab Order 2301708

Date Reported: 1/30/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-4

Project: Mobil CI 7

Collection Date: 1/17/2023 11:36:00 AM

Lab ID: 2301708-008

Matrix: SOIL

Received Date: 1/19/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	840	60		mg/Kg	20	1/20/2023 4:08:42 PM	72728
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	1/20/2023 8:20:07 PM	72720
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	1/20/2023 8:20:07 PM	72720
Surr: DNOP	76.5	69-147		%Rec	1	1/20/2023 8:20:07 PM	72720
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	1/20/2023 8:49:59 PM	72714
Surr: BFB	101	37.7-212		%Rec	1	1/20/2023 8:49:59 PM	72714
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: JJP
Benzene	ND	0.023		mg/Kg	1	1/20/2023 8:49:59 PM	72714
Toluene	ND	0.046		mg/Kg	1	1/20/2023 8:49:59 PM	72714
Ethylbenzene	ND	0.046		mg/Kg	1	1/20/2023 8:49:59 PM	72714
Xylenes, Total	ND	0.092		mg/Kg	1	1/20/2023 8:49:59 PM	72714
Surr: 4-Bromofluorobenzene	94.3	70-130		%Rec	1	1/20/2023 8:49:59 PM	72714

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Page 8 of 29

## Analytical Report

Lab Order 2301708

Date Reported: 1/30/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-5

Project: Mobil CI 7

Collection Date: 1/17/2023 11:38:00 AM

Lab ID: 2301708-009

Matrix: SOIL

Received Date: 1/19/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	690	60		mg/Kg	20	1/20/2023 4:21:03 PM	72728
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	1/26/2023 12:50:38 PM	72824
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	1/26/2023 12:50:38 PM	72824
Surr: DNOP	70.3	69-147		%Rec	1	1/26/2023 12:50:38 PM	72824
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/20/2023 9:13:17 PM	72714
Surr: BFB	103	37.7-212		%Rec	1	1/20/2023 9:13:17 PM	72714
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	1/20/2023 9:13:17 PM	72714
Toluene	ND	0.049		mg/Kg	1	1/20/2023 9:13:17 PM	72714
Ethylbenzene	ND	0.049		mg/Kg	1	1/20/2023 9:13:17 PM	72714
Xylenes, Total	ND	0.098		mg/Kg	1	1/20/2023 9:13:17 PM	72714
Surr: 4-Bromofluorobenzene	95.8	70-130		%Rec	1	1/20/2023 9:13:17 PM	72714

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Page 9 of 29

## Analytical Report

Lab Order 2301708

Date Reported: 1/30/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-6

Project: Mobil CI 7

Collection Date: 1/17/2023 11:40:00 AM

Lab ID: 2301708-010

Matrix: SOIL

Received Date: 1/19/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	660	60		mg/Kg	20	1/20/2023 4:33:24 PM	72728
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	1/20/2023 8:41:01 PM	72720
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/20/2023 8:41:01 PM	72720
Surr: DNOP	71.1	69-147		%Rec	1	1/20/2023 8:41:01 PM	72720
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/20/2023 9:36:31 PM	72714
Surr: BFB	102	37.7-212		%Rec	1	1/20/2023 9:36:31 PM	72714
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	1/20/2023 9:36:31 PM	72714
Toluene	ND	0.047		mg/Kg	1	1/20/2023 9:36:31 PM	72714
Ethylbenzene	ND	0.047		mg/Kg	1	1/20/2023 9:36:31 PM	72714
Xylenes, Total	ND	0.094		mg/Kg	1	1/20/2023 9:36:31 PM	72714
Surr: 4-Bromofluorobenzene	94.8	70-130		%Rec	1	1/20/2023 9:36:31 PM	72714

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Page 10 of 29

## Analytical Report

Lab Order 2301708

Date Reported: 1/30/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-7

Project: Mobil CI 7

Collection Date: 1/17/2023 11:42:00 AM

Lab ID: 2301708-011

Matrix: SOIL

Received Date: 1/19/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	880	60		mg/Kg	20	1/20/2023 4:45:46 PM	72728
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	1/23/2023 11:52:58 AM	72738
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/23/2023 11:52:58 AM	72738
Surr: DNOP	82.1	69-147		%Rec	1	1/23/2023 11:52:58 AM	72738
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/20/2023 11:09:17 PM	72715
Surr: BFB	102	37.7-212		%Rec	1	1/20/2023 11:09:17 PM	72715
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	1/20/2023 11:09:17 PM	72715
Toluene	ND	0.049		mg/Kg	1	1/20/2023 11:09:17 PM	72715
Ethylbenzene	ND	0.049		mg/Kg	1	1/20/2023 11:09:17 PM	72715
Xylenes, Total	ND	0.097		mg/Kg	1	1/20/2023 11:09:17 PM	72715
Surr: 4-Bromofluorobenzene	96.5	70-130		%Rec	1	1/20/2023 11:09:17 PM	72715

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Page 11 of 29

## Analytical Report

Lab Order 2301708

Date Reported: 1/30/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-8

Project: Mobil CI 7

Collection Date: 1/17/2023 11:44:00 AM

Lab ID: 2301708-012

Matrix: SOIL

Received Date: 1/19/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	880	60		mg/Kg	20	1/20/2023 4:58:06 PM	72728
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	1/23/2023 12:03:25 PM	72738
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	1/23/2023 12:03:25 PM	72738
Surr: DNOP	71.6	69-147		%Rec	1	1/23/2023 12:03:25 PM	72738
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/21/2023 12:18:37 AM	72715
Surr: BFB	101	37.7-212		%Rec	1	1/21/2023 12:18:37 AM	72715
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	1/21/2023 12:18:37 AM	72715
Toluene	ND	0.049		mg/Kg	1	1/21/2023 12:18:37 AM	72715
Ethylbenzene	ND	0.049		mg/Kg	1	1/21/2023 12:18:37 AM	72715
Xylenes, Total	ND	0.098		mg/Kg	1	1/21/2023 12:18:37 AM	72715
Surr: 4-Bromofluorobenzene	95.6	70-130		%Rec	1	1/21/2023 12:18:37 AM	72715

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Page 12 of 29



## Analytical Report

Lab Order 2301708

Date Reported: 1/30/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-9

Project: Mobil CI 7

Collection Date: 1/17/2023 11:46:00 AM

Lab ID: 2301708-013

Matrix: SOIL

Received Date: 1/19/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	590	60		mg/Kg	20	1/20/2023 5:10:26 PM	72728
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	1/23/2023 5:08:27 PM	72738
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	1/23/2023 5:08:27 PM	72738
Surr: DNOP	89.1	69-147		%Rec	1	1/23/2023 5:08:27 PM	72738
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	1/21/2023 1:27:56 AM	72715
Surr: BFB	100	37.7-212		%Rec	1	1/21/2023 1:27:56 AM	72715
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	1/21/2023 1:27:56 AM	72715
Toluene	ND	0.050		mg/Kg	1	1/21/2023 1:27:56 AM	72715
Ethylbenzene	ND	0.050		mg/Kg	1	1/21/2023 1:27:56 AM	72715
Xylenes, Total	ND	0.099		mg/Kg	1	1/21/2023 1:27:56 AM	72715
Surr: 4-Bromofluorobenzene	95.9	70-130		%Rec	1	1/21/2023 1:27:56 AM	72715

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Page 13 of 29

## Analytical Report

Lab Order 2301708

Date Reported: 1/30/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-10

Project: Mobil CI 7

Collection Date: 1/17/2023 11:48:00 AM

Lab ID: 2301708-014

Matrix: SOIL

Received Date: 1/19/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	810	60		mg/Kg	20	1/20/2023 5:22:47 PM	72728
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	1/23/2023 5:32:05 PM	72738
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	1/23/2023 5:32:05 PM	72738
Surr: DNOP	111	69-147		%Rec	1	1/23/2023 5:32:05 PM	72738
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	1/21/2023 1:51:04 AM	72715
Surr: BFB	102	37.7-212		%Rec	1	1/21/2023 1:51:04 AM	72715
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	1/21/2023 1:51:04 AM	72715
Toluene	ND	0.050		mg/Kg	1	1/21/2023 1:51:04 AM	72715
Ethylbenzene	ND	0.050		mg/Kg	1	1/21/2023 1:51:04 AM	72715
Xylenes, Total	ND	0.10		mg/Kg	1	1/21/2023 1:51:04 AM	72715
Surr: 4-Bromofluorobenzene	97.2	70-130		%Rec	1	1/21/2023 1:51:04 AM	72715

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Page 14 of 29

## Analytical Report

Lab Order 2301708

Date Reported: 1/30/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-11

Project: Mobil CI 7

Collection Date: 1/17/2023 11:50:00 AM

Lab ID: 2301708-015

Matrix: SOIL

Received Date: 1/19/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	660	60		mg/Kg	20	1/20/2023 5:35:07 PM	72728
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	1/23/2023 5:55:29 PM	72738
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	1/23/2023 5:55:29 PM	72738
Surr: DNOP	105	69-147		%Rec	1	1/23/2023 5:55:29 PM	72738
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/21/2023 2:14:09 AM	72715
Surr: BFB	100	37.7-212		%Rec	1	1/21/2023 2:14:09 AM	72715
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	1/21/2023 2:14:09 AM	72715
Toluene	ND	0.049		mg/Kg	1	1/21/2023 2:14:09 AM	72715
Ethylbenzene	ND	0.049		mg/Kg	1	1/21/2023 2:14:09 AM	72715
Xylenes, Total	ND	0.098		mg/Kg	1	1/21/2023 2:14:09 AM	72715
Surr: 4-Bromofluorobenzene	95.4	70-130		%Rec	1	1/21/2023 2:14:09 AM	72715

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Page 15 of 29

## Analytical Report

Lab Order 2301708

Date Reported: 1/30/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-12

Project: Mobil CI 7

Collection Date: 1/17/2023 11:52:00 AM

Lab ID: 2301708-016

Matrix: SOIL

Received Date: 1/19/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	440	60		mg/Kg	20	1/20/2023 5:47:28 PM	72728
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	1/23/2023 6:18:50 PM	72738
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	1/23/2023 6:18:50 PM	72738
Surr: DNOP	91.4	69-147		%Rec	1	1/23/2023 6:18:50 PM	72738
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	1/21/2023 3:00:24 AM	72715
Surr: BFB	100	37.7-212		%Rec	1	1/21/2023 3:00:24 AM	72715
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	1/21/2023 3:00:24 AM	72715
Toluene	ND	0.050		mg/Kg	1	1/21/2023 3:00:24 AM	72715
Ethylbenzene	ND	0.050		mg/Kg	1	1/21/2023 3:00:24 AM	72715
Xylenes, Total	ND	0.099		mg/Kg	1	1/21/2023 3:00:24 AM	72715
Surr: 4-Bromofluorobenzene	96.5	70-130		%Rec	1	1/21/2023 3:00:24 AM	72715

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Page 16 of 29

## Analytical Report

Lab Order 2301708

Date Reported: 1/30/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: W-1

Project: Mobil CI 7

Collection Date: 1/17/2023 12:00:00 PM

Lab ID: 2301708-017

Matrix: SOIL

Received Date: 1/19/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	210	59		mg/Kg	20	1/20/2023 5:59:48 PM	72728
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	1/23/2023 6:42:06 PM	72738
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	1/23/2023 6:42:06 PM	72738
Surr: DNOP	104	69-147		%Rec	1	1/23/2023 6:42:06 PM	72738
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/21/2023 3:23:31 AM	72715
Surr: BFB	99.7	37.7-212		%Rec	1	1/21/2023 3:23:31 AM	72715
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	1/21/2023 3:23:31 AM	72715
Toluene	ND	0.049		mg/Kg	1	1/21/2023 3:23:31 AM	72715
Ethylbenzene	ND	0.049		mg/Kg	1	1/21/2023 3:23:31 AM	72715
Xylenes, Total	ND	0.098		mg/Kg	1	1/21/2023 3:23:31 AM	72715
Surr: 4-Bromofluorobenzene	95.2	70-130		%Rec	1	1/21/2023 3:23:31 AM	72715

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Page 17 of 29



## Analytical Report

Lab Order 2301708

Date Reported: 1/30/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: W-2

Project: Mobil CI 7

Collection Date: 1/17/2023 12:02:00 PM

Lab ID: 2301708-018

Matrix: SOIL

Received Date: 1/19/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	320	60		mg/Kg	20	1/20/2023 6:36:51 PM	72728
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	1/23/2023 7:05:37 PM	72738
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	1/23/2023 7:05:37 PM	72738
Surr: DNOP	98.8	69-147		%Rec	1	1/23/2023 7:05:37 PM	72738
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/21/2023 3:46:39 AM	72715
Surr: BFB	100	37.7-212		%Rec	1	1/21/2023 3:46:39 AM	72715
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	1/21/2023 3:46:39 AM	72715
Toluene	ND	0.049		mg/Kg	1	1/21/2023 3:46:39 AM	72715
Ethylbenzene	ND	0.049		mg/Kg	1	1/21/2023 3:46:39 AM	72715
Xylenes, Total	ND	0.097		mg/Kg	1	1/21/2023 3:46:39 AM	72715
Surr: 4-Bromofluorobenzene	94.8	70-130		%Rec	1	1/21/2023 3:46:39 AM	72715

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Page 18 of 29

## Analytical Report

Lab Order 2301708

Date Reported: 1/30/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: W-3

Project: Mobil CI 7

Collection Date: 1/17/2023 12:04:00 PM

Lab ID: 2301708-019

Matrix: SOIL

Received Date: 1/19/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	250	60		mg/Kg	20	1/20/2023 6:49:11 PM	72728
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	1/23/2023 2:26:09 PM	72738
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	1/23/2023 2:26:09 PM	72738
Surr: DNOP	105	69-147		%Rec	1	1/23/2023 2:26:09 PM	72738
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/21/2023 4:09:44 AM	72715
Surr: BFB	101	37.7-212		%Rec	1	1/21/2023 4:09:44 AM	72715
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	1/21/2023 4:09:44 AM	72715
Toluene	ND	0.049		mg/Kg	1	1/21/2023 4:09:44 AM	72715
Ethylbenzene	ND	0.049		mg/Kg	1	1/21/2023 4:09:44 AM	72715
Xylenes, Total	ND	0.098		mg/Kg	1	1/21/2023 4:09:44 AM	72715
Surr: 4-Bromofluorobenzene	97.0	70-130		%Rec	1	1/21/2023 4:09:44 AM	72715

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

## Analytical Report

Lab Order 2301708

Date Reported: 1/30/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-13

Project: Mobil CI 7

Collection Date: 1/17/2023 12:30:00 PM

Lab ID: 2301708-020

Matrix: SOIL

Received Date: 1/19/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	800	60		mg/Kg	20	1/20/2023 7:01:32 PM	72728
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	1/23/2023 2:36:40 PM	72738
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	1/23/2023 2:36:40 PM	72738
Surr: DNOP	88.6	69-147		%Rec	1	1/23/2023 2:36:40 PM	72738
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/21/2023 4:32:48 AM	72715
Surr: BFB	99.7	37.7-212		%Rec	1	1/21/2023 4:32:48 AM	72715
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	1/21/2023 4:32:48 AM	72715
Toluene	ND	0.049		mg/Kg	1	1/21/2023 4:32:48 AM	72715
Ethylbenzene	ND	0.049		mg/Kg	1	1/21/2023 4:32:48 AM	72715
Xylenes, Total	ND	0.098		mg/Kg	1	1/21/2023 4:32:48 AM	72715
Surr: 4-Bromofluorobenzene	94.5	70-130		%Rec	1	1/21/2023 4:32:48 AM	72715

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Page 20 of 29

## Analytical Report

Lab Order 2301708

Date Reported: 1/30/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-14

Project: Mobil CI 7

Collection Date: 1/17/2023 12:32:00 PM

Lab ID: 2301708-021

Matrix: SOIL

Received Date: 1/19/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	500	60		mg/Kg	20	1/20/2023 7:38:33 PM	72729
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	1/23/2023 2:47:10 PM	72738
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	1/23/2023 2:47:10 PM	72738
Surr: DNOP	97.2	69-147		%Rec	1	1/23/2023 2:47:10 PM	72738
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/21/2023 4:55:57 AM	72715
Surr: BFB	99.5	37.7-212		%Rec	1	1/21/2023 4:55:57 AM	72715
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	1/21/2023 4:55:57 AM	72715
Toluene	ND	0.049		mg/Kg	1	1/21/2023 4:55:57 AM	72715
Ethylbenzene	ND	0.049		mg/Kg	1	1/21/2023 4:55:57 AM	72715
Xylenes, Total	ND	0.097		mg/Kg	1	1/21/2023 4:55:57 AM	72715
Surr: 4-Bromofluorobenzene	95.3	70-130		%Rec	1	1/21/2023 4:55:57 AM	72715

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

## Analytical Report

Lab Order 2301708

Date Reported: 1/30/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-15

Project: Mobil CI 7

Collection Date: 1/17/2023 12:34:00 PM

Lab ID: 2301708-022

Matrix: SOIL

Received Date: 1/19/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	880	60		mg/Kg	20	1/20/2023 8:15:36 PM	72729
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	1/23/2023 2:57:43 PM	72738
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	1/23/2023 2:57:43 PM	72738
Surr: DNOP	77.8	69-147		%Rec	1	1/23/2023 2:57:43 PM	72738
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/21/2023 5:19:04 AM	72715
Surr: BFB	99.7	37.7-212		%Rec	1	1/21/2023 5:19:04 AM	72715
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	1/21/2023 5:19:04 AM	72715
Toluene	ND	0.049		mg/Kg	1	1/21/2023 5:19:04 AM	72715
Ethylbenzene	ND	0.049		mg/Kg	1	1/21/2023 5:19:04 AM	72715
Xylenes, Total	ND	0.098		mg/Kg	1	1/21/2023 5:19:04 AM	72715
Surr: 4-Bromofluorobenzene	93.1	70-130		%Rec	1	1/21/2023 5:19:04 AM	72715

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Page 22 of 29



## Analytical Report

Lab Order 2301708

Date Reported: 1/30/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-16

Project: Mobil CI 7

Collection Date: 1/17/2023 12:36:00 PM

Lab ID: 2301708-023

Matrix: SOIL

Received Date: 1/19/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	590	60		mg/Kg	20	1/20/2023 8:27:57 PM	72729
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	1/23/2023 3:08:18 PM	72738
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	1/23/2023 3:08:18 PM	72738
Surr: DNOP	88.8	69-147		%Rec	1	1/23/2023 3:08:18 PM	72738
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	1/21/2023 5:42:11 AM	72715
Surr: BFB	99.5	37.7-212		%Rec	1	1/21/2023 5:42:11 AM	72715
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	1/21/2023 5:42:11 AM	72715
Toluene	ND	0.050		mg/Kg	1	1/21/2023 5:42:11 AM	72715
Ethylbenzene	ND	0.050		mg/Kg	1	1/21/2023 5:42:11 AM	72715
Xylenes, Total	ND	0.10		mg/Kg	1	1/21/2023 5:42:11 AM	72715
Surr: 4-Bromofluorobenzene	94.6	70-130		%Rec	1	1/21/2023 5:42:11 AM	72715

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Page 23 of 29

## Analytical Report

Lab Order 2301708

Date Reported: 1/30/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-17

Project: Mobil CI 7

Collection Date: 1/17/2023 12:38:00 PM

Lab ID: 2301708-024

Matrix: SOIL

Received Date: 1/19/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	550	60		mg/Kg	20	1/20/2023 9:05:00 PM	72729
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	1/23/2023 3:18:53 PM	72738
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	1/23/2023 3:18:53 PM	72738
Surr: DNOP	73.9	69-147		%Rec	1	1/23/2023 3:18:53 PM	72738
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/21/2023 6:05:20 AM	72715
Surr: BFB	101	37.7-212		%Rec	1	1/21/2023 6:05:20 AM	72715
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	1/21/2023 6:05:20 AM	72715
Toluene	ND	0.049		mg/Kg	1	1/21/2023 6:05:20 AM	72715
Ethylbenzene	ND	0.049		mg/Kg	1	1/21/2023 6:05:20 AM	72715
Xylenes, Total	ND	0.098		mg/Kg	1	1/21/2023 6:05:20 AM	72715
Surr: 4-Bromofluorobenzene	95.6	70-130		%Rec	1	1/21/2023 6:05:20 AM	72715

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Page 24 of 29

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

WO#: 2301708

30-Jan-23

**Client:** EOG  
**Project:** Mobil CI 7

Sample ID: <b>MB-72728</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>72728</b>	RunNo: <b>94097</b>								
Prep Date: <b>1/20/2023</b>	Analysis Date: <b>1/20/2023</b>	SeqNo: <b>3397279</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-72728</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>72728</b>	RunNo: <b>94097</b>								
Prep Date: <b>1/20/2023</b>	Analysis Date: <b>1/20/2023</b>	SeqNo: <b>3397280</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.3	90	110			

Sample ID: <b>MB-72729</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>72729</b>	RunNo: <b>94097</b>								
Prep Date: <b>1/20/2023</b>	Analysis Date: <b>1/20/2023</b>	SeqNo: <b>3397311</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-72729</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>72729</b>	RunNo: <b>94097</b>								
Prep Date: <b>1/20/2023</b>	Analysis Date: <b>1/20/2023</b>	SeqNo: <b>3397312</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.2	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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank  
E Above Quantitation Range/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#: 2301708

30-Jan-23

**Client:** EOG  
**Project:** Mobil CI 7

Sample ID: <b>LCS-72738</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>72738</b>			RunNo: <b>94119</b>						
Prep Date: <b>1/20/2023</b>	Analysis Date: <b>1/23/2023</b>			SeqNo: <b>3398450</b>			Units: <b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.00	0	85.9	61.9	130			
Surr: DNOP	5.6		5.000		111	69	147			

Sample ID: <b>MB-72738</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>PBS</b>	Batch ID: <b>72738</b>			RunNo: <b>94119</b>						
Prep Date: <b>1/20/2023</b>	Analysis Date: <b>1/23/2023</b>			SeqNo: <b>3398451</b>			Units: <b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.8		10.00		97.6	69	147			

Sample ID: <b>LCS-72720</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>72720</b>			RunNo: <b>94118</b>						
Prep Date: <b>1/19/2023</b>	Analysis Date: <b>1/20/2023</b>			SeqNo: <b>3398455</b>			Units: <b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	40	10	50.00	0	80.7	61.9	130			
Surr: DNOP	5.4		5.000		108	69	147			

Sample ID: <b>MB-72720</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>PBS</b>	Batch ID: <b>72720</b>			RunNo: <b>94118</b>						
Prep Date: <b>1/19/2023</b>	Analysis Date: <b>1/20/2023</b>			SeqNo: <b>3398457</b>			Units: <b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		106	69	147			

Sample ID: <b>LCS-72740</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>72740</b>			RunNo: <b>94119</b>						
Prep Date: <b>1/20/2023</b>	Analysis Date: <b>1/23/2023</b>			SeqNo: <b>3399136</b>			Units: <b>%Rec</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.4		5.000		108	69	147			

**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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank  
E Above Quantitation Range/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#: 2301708

30-Jan-23

**Client:** EOG  
**Project:** Mobil CI 7

Sample ID: <b>MB-72740</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>PBS</b>	Batch ID: <b>72740</b>			RunNo: <b>94119</b>						
Prep Date: <b>1/20/2023</b>	Analysis Date: <b>1/23/2023</b>			SeqNo: <b>3399140</b>	Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	12		10.00		116	69	147			

Sample ID: <b>LCS-72824</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>72824</b>			RunNo: <b>94207</b>						
Prep Date: <b>1/25/2023</b>	Analysis Date: <b>1/26/2023</b>			SeqNo: <b>3403443</b>	Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	96.6	61.9	130			
Surr: DNOP	6.5		5.000		130	69	147			

Sample ID: <b>MB-72824</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>PBS</b>	Batch ID: <b>72824</b>			RunNo: <b>94207</b>						
Prep Date: <b>1/25/2023</b>	Analysis Date: <b>1/26/2023</b>			SeqNo: <b>3403447</b>	Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		114	69	147			

**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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank  
E Above Quantitation Range/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#: 2301708

30-Jan-23

**Client:** EOG  
**Project:** Mobil CI 7

Sample ID: <b>ics-72714</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>72714</b>			RunNo: <b>94108</b>						
Prep Date: <b>1/19/2023</b>	Analysis Date: <b>1/20/2023</b>			SeqNo: <b>3397799</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	87.4	72.3	137			
Surr: BFB	2000		1000		195	37.7	212			

Sample ID: <b>ics-72715</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>72715</b>			RunNo: <b>94108</b>						
Prep Date: <b>1/19/2023</b>	Analysis Date: <b>1/20/2023</b>			SeqNo: <b>3397800</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	86.9	72.3	137			
Surr: BFB	2000		1000		200	37.7	212			

Sample ID: <b>mb-72714</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>PBS</b>	Batch ID: <b>72714</b>			RunNo: <b>94108</b>						
Prep Date: <b>1/19/2023</b>	Analysis Date: <b>1/20/2023</b>			SeqNo: <b>3397802</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		104	37.7	212			

Sample ID: <b>mb-72715</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>PBS</b>	Batch ID: <b>72715</b>			RunNo: <b>94108</b>						
Prep Date: <b>1/19/2023</b>	Analysis Date: <b>1/20/2023</b>			SeqNo: <b>3397803</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		102	37.7	212			

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank  
E Above Quantitation Range/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#: 2301708

30-Jan-23

**Client:** EOG  
**Project:** Mobil CI 7

Sample ID: <b>LCS-72714</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>72714</b>			RunNo: <b>94108</b>						
Prep Date: <b>1/19/2023</b>	Analysis Date: <b>1/20/2023</b>			SeqNo: <b>3397871</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.85	0.025	1.000	0	85.2	80	120			
Toluene	0.90	0.050	1.000	0	89.6	80	120			
Ethylbenzene	0.91	0.050	1.000	0	90.6	80	120			
Xylenes, Total	2.7	0.10	3.000	0	90.1	80	120			
Surr: 4-Bromofluorobenzene	0.98		1.000		98.2	70	130			

Sample ID: <b>LCS-72715</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>72715</b>			RunNo: <b>94108</b>						
Prep Date: <b>1/19/2023</b>	Analysis Date: <b>1/20/2023</b>			SeqNo: <b>3397872</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.025	1.000	0	88.4	80	120			
Toluene	0.93	0.050	1.000	0	92.7	80	120			
Ethylbenzene	0.93	0.050	1.000	0	92.9	80	120			
Xylenes, Total	2.8	0.10	3.000	0	93.2	80	120			
Surr: 4-Bromofluorobenzene	0.99		1.000		99.2	70	130			

Sample ID: <b>mb-72714</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>PBS</b>	Batch ID: <b>72714</b>			RunNo: <b>94108</b>						
Prep Date: <b>1/19/2023</b>	Analysis Date: <b>1/20/2023</b>			SeqNo: <b>3397874</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.97		1.000		97.2	70	130			

Sample ID: <b>mb-72715</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>PBS</b>	Batch ID: <b>72715</b>			RunNo: <b>94108</b>						
Prep Date: <b>1/19/2023</b>	Analysis Date: <b>1/20/2023</b>			SeqNo: <b>3397875</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.96		1.000		96.4	70	130			

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank  
E Above Quantitation Range/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: www.hallenvironmental.com

# Sample Log-In Check List

Client Name: EOG

Work Order Number: 2301708

RcptNo: 1

Received By: Juan Rojas

1/19/2023 7:20:00 AM

Completed By: Sean Livingston

1/19/2023 8:04:36 AM

Reviewed By: *JA 1-19-23*

*Huan Rojas*

*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  $6.0^{\circ}\text{C}$ ? Yes ☒ No ☐ NA ☐

5. Sample(s) in proper container(s)? Yes ☒ No ☐

6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐

7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐

8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐

9. Received at least 1 vial with headspace  $<1/4"$  for AQ VOA? Yes ☐ No ☐ NA ☒

10. Were any sample containers received broken? Yes ☐ No ☒

11. Does paperwork match bottle labels? Yes ☒ No ☐

(Note discrepancies on chain of custody)

12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐

13. Is it clear what analyses were requested? Yes ☒ No ☐

14. Were all holding times able to be met? Yes ☒ No ☐

(If no, notify customer for authorization.)

# of preserved bottles checked for pH: 11/20/23  
( $<2$  or  $>12$  unless noted)

Adjusted? \_\_\_\_\_

Checked by: \_\_\_\_\_

## Special Handling (if applicable)

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

Person Notified: \_\_\_\_\_

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

By Whom: \_\_\_\_\_

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: \_\_\_\_\_

Client Instructions: \_\_\_\_\_

16. Additional remarks:

## 17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.5	Good	Yes	Morty		





Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.  
Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210  
Ranger: PO Box 201179, Austin TX 78720  
Phone #: 521-335-1785  
email or Fax#: Will@RangerEnv.com  
QA/QC Package: ☒ Standard ☐ Level 4 (Full Validation)  
Accreditation: ☐ Az Compliance ☐ Other \_\_\_\_\_  
☒ NELAC ☐ Other \_\_\_\_\_  
☒ EDD (Type) Excel

Date	Time	Matrix	Sample Name
1-17-23	1146	Soil	B-9
	1148		B-10
	1150		B-11
	1152		B-12
	1200		W-1
	1202		W-2
	1204		W-3
	1230		B-13
	1232		B-14
	1234		B-15
	1236		B-16
	1238		B-17

Date: 1-18-23 Time: 1020 Relinquished by: gmm  
Date: 1-18-23 Time: 1900 Relinquished by: gmm

Turn-Around Time: ☐ Standard ☒ Rush 48 hr  
Project Name: MOBIL CI #7  
Project #: 5375  
Project Manager: W. Kierdorf  
Sampler: J. Martinez  
On Ice: ☒ Yes ☐ No  
# of Coolers: 1  
Cooler Temp (including CP): 3.5-0-3.8  
Container Type and # 1x4oz Jar ICE HEAL No. 013  
Preservative Type  
Cooler Temp (including CP): 3.5-0-3.8  
Date: 1-18-23 Time: 1020  
Date: 1-18-23 Time: 1900



HALL ENVIRONMENTAL ANALYSIS LABORATORY  
www.hallenvironmental.com  
4901 Hawkins NE - Albuquerque, NM 87109  
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request									
							</		





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

February 15, 2023

Will Kierdorf

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX:

RE: Mobile CI 7

OrderNo.: 2302144

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 27 sample(s) on 2/3/2023 for the analyses presented in the following report.

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

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

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

Sincerely,

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

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

## Analytical Report

Lab Order 2302144

Date Reported: 2/15/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: W-1

Project: Mobile CI 7

Collection Date: 2/1/2023 9:40:00 AM

Lab ID: 2302144-001

Matrix: SOIL

Received Date: 2/3/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	250	60		mg/Kg	20	2/7/2023 7:35:32 PM	73052
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	2/8/2023 1:44:26 AM	73009
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/8/2023 1:44:26 AM	73009
Surr: DNOP	98.9	69-147		%Rec	1	2/8/2023 1:44:26 AM	73009
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/9/2023 7:37:33 PM	72998
Surr: BFB	99.3	37.7-212		%Rec	1	2/9/2023 7:37:33 PM	72998
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	2/13/2023 5:03:00 PM	73131
Toluene	ND	0.050		mg/Kg	1	2/13/2023 5:03:00 PM	73131
Ethylbenzene	ND	0.050		mg/Kg	1	2/13/2023 5:03:00 PM	73131
Xylenes, Total	ND	0.099		mg/Kg	1	2/13/2023 5:03:00 PM	73131
Surr: 4-Bromofluorobenzene	92.3	70-130		%Rec	1	2/13/2023 5:03:00 PM	73131

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Page 1 of 32

## Analytical Report

Lab Order 2302144

Date Reported: 2/15/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: W-2

Project: Mobile CI 7

Collection Date: 2/1/2023 11:00:00 AM

Lab ID: 2302144-002

Matrix: SOIL

Received Date: 2/3/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	1100	60		mg/Kg	20	2/7/2023 7:47:57 PM	73052
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	2/8/2023 1:57:08 AM	73009
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/8/2023 1:57:08 AM	73009
Surr: DNOP	91.9	69-147		%Rec	1	2/8/2023 1:57:08 AM	73009
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/9/2023 8:01:00 PM	72998
Surr: BFB	96.4	37.7-212		%Rec	1	2/9/2023 8:01:00 PM	72998
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	2/13/2023 5:22:00 PM	73131
Toluene	ND	0.049		mg/Kg	1	2/13/2023 5:22:00 PM	73131
Ethylbenzene	ND	0.049		mg/Kg	1	2/13/2023 5:22:00 PM	73131
Xylenes, Total	ND	0.098		mg/Kg	1	2/13/2023 5:22:00 PM	73131
Surr: 4-Bromofluorobenzene	89.2	70-130		%Rec	1	2/13/2023 5:22:00 PM	73131

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Page 2 of 32

## Analytical Report

Lab Order 2302144

Date Reported: 2/15/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: W-2/6

Project: Mobile CI 7

Collection Date: 2/1/2023 11:20:00 AM

Lab ID: 2302144-003

Matrix: SOIL

Received Date: 2/3/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	440	60		mg/Kg	20	2/7/2023 8:00:22 PM	73052
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	24	14		mg/Kg	1	2/8/2023 2:09:39 AM	73009
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	2/8/2023 2:09:39 AM	73009
Surr: DNOP	109	69-147		%Rec	1	2/8/2023 2:09:39 AM	73009
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/9/2023 8:24:31 PM	72998
Surr: BFB	99.7	37.7-212		%Rec	1	2/9/2023 8:24:31 PM	72998
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	2/13/2023 5:42:00 PM	73131
Toluene	ND	0.050		mg/Kg	1	2/13/2023 5:42:00 PM	73131
Ethylbenzene	ND	0.050		mg/Kg	1	2/13/2023 5:42:00 PM	73131
Xylenes, Total	ND	0.10		mg/Kg	1	2/13/2023 5:42:00 PM	73131
Surr: 4-Bromofluorobenzene	88.7	70-130		%Rec	1	2/13/2023 5:42:00 PM	73131

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Page 3 of 32

## Analytical Report

Lab Order 2302144

Date Reported: 2/15/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: W-3

Project: Mobile CI 7

Collection Date: 2/1/2023 11:40:00 AM

Lab ID: 2302144-004

Matrix: SOIL

Received Date: 2/3/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	110	60		mg/Kg	20	2/7/2023 8:12:46 PM	73052
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	2/8/2023 2:22:14 AM	73009
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	2/8/2023 2:22:14 AM	73009
Surr: DNOP	74.2	69-147		%Rec	1	2/8/2023 2:22:14 AM	73009
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/9/2023 8:47:55 PM	72998
Surr: BFB	95.9	37.7-212		%Rec	1	2/9/2023 8:47:55 PM	72998
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	2/13/2023 6:02:00 PM	73131
Toluene	ND	0.050		mg/Kg	1	2/13/2023 6:02:00 PM	73131
Ethylbenzene	ND	0.050		mg/Kg	1	2/13/2023 6:02:00 PM	73131
Xylenes, Total	ND	0.099		mg/Kg	1	2/13/2023 6:02:00 PM	73131
Surr: 4-Bromofluorobenzene	90.3	70-130		%Rec	1	2/13/2023 6:02:00 PM	73131

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Page 4 of 32



## Analytical Report

Lab Order 2302144

Date Reported: 2/15/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: W-4

Project: Mobile CI 7

Collection Date: 2/1/2023 11:42:00 AM

Lab ID: 2302144-005

Matrix: SOIL

Received Date: 2/3/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	330	60		mg/Kg	20	2/7/2023 8:25:11 PM	73052
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	2/8/2023 2:34:38 AM	73009
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/8/2023 2:34:38 AM	73009
Surr: DNOP	73.5	69-147		%Rec	1	2/8/2023 2:34:38 AM	73009
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/9/2023 9:11:20 PM	72998
Surr: BFB	98.7	37.7-212		%Rec	1	2/9/2023 9:11:20 PM	72998
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: CCM
Benzene	ND	0.023		mg/Kg	1	2/13/2023 6:22:00 PM	73131
Toluene	ND	0.047		mg/Kg	1	2/13/2023 6:22:00 PM	73131
Ethylbenzene	ND	0.047		mg/Kg	1	2/13/2023 6:22:00 PM	73131
Xylenes, Total	ND	0.094		mg/Kg	1	2/13/2023 6:22:00 PM	73131
Surr: 4-Bromofluorobenzene	90.4	70-130		%Rec	1	2/13/2023 6:22:00 PM	73131

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Page 5 of 32

## Analytical Report

Lab Order 2302144

Date Reported: 2/15/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: W-5

Project: Mobile CI 7

Collection Date: 2/1/2023 11:44:00 AM

Lab ID: 2302144-006

Matrix: SOIL

Received Date: 2/3/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	91	60		mg/Kg	20	2/7/2023 8:37:36 PM	73052
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	2/8/2023 2:47:05 AM	73009
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/8/2023 2:47:05 AM	73009
Surr: DNOP	103	69-147		%Rec	1	2/8/2023 2:47:05 AM	73009
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/9/2023 9:34:40 PM	72998
Surr: BFB	97.5	37.7-212		%Rec	1	2/9/2023 9:34:40 PM	72998
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	2/13/2023 6:41:00 PM	73131
Toluene	ND	0.047		mg/Kg	1	2/13/2023 6:41:00 PM	73131
Ethylbenzene	ND	0.047		mg/Kg	1	2/13/2023 6:41:00 PM	73131
Xylenes, Total	ND	0.095		mg/Kg	1	2/13/2023 6:41:00 PM	73131
Surr: 4-Bromofluorobenzene	89.9	70-130		%Rec	1	2/13/2023 6:41:00 PM	73131

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Page 6 of 32

## Analytical Report

Lab Order 2302144

Date Reported: 2/15/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-1

Project: Mobile CI 7

Collection Date: 2/1/2023 12:20:00 PM

Lab ID: 2302144-007

Matrix: SOIL

Received Date: 2/3/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	160	60		mg/Kg	20	2/7/2023 8:50:01 PM	73052
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	2/8/2023 3:11:45 AM	73009
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/8/2023 3:11:45 AM	73009
Surr: DNOP	105	69-147		%Rec	1	2/8/2023 3:11:45 AM	73009
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/9/2023 9:57:59 PM	72998
Surr: BFB	99.6	37.7-212		%Rec	1	2/9/2023 9:57:59 PM	72998
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: CCM
Benzene	ND	0.023		mg/Kg	1	2/13/2023 7:01:00 PM	73131
Toluene	ND	0.046		mg/Kg	1	2/13/2023 7:01:00 PM	73131
Ethylbenzene	ND	0.046		mg/Kg	1	2/13/2023 7:01:00 PM	73131
Xylenes, Total	ND	0.092		mg/Kg	1	2/13/2023 7:01:00 PM	73131
Surr: 4-Bromofluorobenzene	90.5	70-130		%Rec	1	2/13/2023 7:01:00 PM	73131

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Page 7 of 32

## Analytical Report

Lab Order 2302144

Date Reported: 2/15/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-2

Project: Mobile CI 7

Collection Date: 2/1/2023 12:22:00 PM

Lab ID: 2302144-008

Matrix: SOIL

Received Date: 2/3/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	190	60		mg/Kg	20	2/7/2023 9:02:26 PM	73052
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	2/8/2023 3:24:06 AM	73009
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/8/2023 3:24:06 AM	73009
Surr: DNOP	108	69-147		%Rec	1	2/8/2023 3:24:06 AM	73009
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/9/2023 11:08:32 PM	72998
Surr: BFB	97.2	37.7-212		%Rec	1	2/9/2023 11:08:32 PM	72998
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	2/13/2023 7:41:00 PM	73131
Toluene	ND	0.049		mg/Kg	1	2/13/2023 7:41:00 PM	73131
Ethylbenzene	ND	0.049		mg/Kg	1	2/13/2023 7:41:00 PM	73131
Xylenes, Total	ND	0.098		mg/Kg	1	2/13/2023 7:41:00 PM	73131
Surr: 4-Bromofluorobenzene	91.4	70-130		%Rec	1	2/13/2023 7:41:00 PM	73131

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Page 8 of 32

## Analytical Report

Lab Order 2302144

Date Reported: 2/15/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-3

Project: Mobile CI 7

Collection Date: 2/1/2023 12:24:00 PM

Lab ID: 2302144-009

Matrix: SOIL

Received Date: 2/3/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	130	60		mg/Kg	20	2/7/2023 9:14:51 PM	73052
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	2/8/2023 3:36:44 AM	73009
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/8/2023 3:36:44 AM	73009
Surr: DNOP	94.8	69-147		%Rec	1	2/8/2023 3:36:44 AM	73009
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/9/2023 11:31:48 PM	72998
Surr: BFB	98.9	37.7-212		%Rec	1	2/9/2023 11:31:48 PM	72998
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	2/13/2023 8:01:00 PM	73131
Toluene	ND	0.050		mg/Kg	1	2/13/2023 8:01:00 PM	73131
Ethylbenzene	ND	0.050		mg/Kg	1	2/13/2023 8:01:00 PM	73131
Xylenes, Total	ND	0.10		mg/Kg	1	2/13/2023 8:01:00 PM	73131
Surr: 4-Bromofluorobenzene	90.3	70-130		%Rec	1	2/13/2023 8:01:00 PM	73131

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Page 9 of 32



## Analytical Report

Lab Order 2302144

Date Reported: 2/15/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-4

Project: Mobile CI 7

Collection Date: 2/1/2023 12:26:00 PM

Lab ID: 2302144-010

Matrix: SOIL

Received Date: 2/3/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	150	60		mg/Kg	20	2/8/2023 10:52:14 AM	73068
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	2/8/2023 3:49:58 AM	73009
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/8/2023 3:49:58 AM	73009
Surr: DNOP	99.0	69-147		%Rec	1	2/8/2023 3:49:58 AM	73009
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>JJP</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/9/2023 11:55:21 PM	72998
Surr: BFB	96.9	37.7-212		%Rec	1	2/9/2023 11:55:21 PM	72998
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.024		mg/Kg	1	2/13/2023 8:20:00 PM	73131
Toluene	ND	0.048		mg/Kg	1	2/13/2023 8:20:00 PM	73131
Ethylbenzene	ND	0.048		mg/Kg	1	2/13/2023 8:20:00 PM	73131
Xylenes, Total	ND	0.096		mg/Kg	1	2/13/2023 8:20:00 PM	73131
Surr: 4-Bromofluorobenzene	89.5	70-130		%Rec	1	2/13/2023 8:20:00 PM	73131

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Page 10 of 32

## Analytical Report

Lab Order 2302144

Date Reported: 2/15/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-5

Project: Mobile CI 7

Collection Date: 2/1/2023 12:28:00 PM

Lab ID: 2302144-011

Matrix: SOIL

Received Date: 2/3/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	190	60		mg/Kg	20	2/8/2023 11:29:27 AM	73068
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	2/8/2023 4:03:07 AM	73009
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	2/8/2023 4:03:07 AM	73009
Surr: DNOP	93.2	69-147		%Rec	1	2/8/2023 4:03:07 AM	73009
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>JJP</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/10/2023 12:18:44 AM	72998
Surr: BFB	96.6	37.7-212		%Rec	1	2/10/2023 12:18:44 AM	72998
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	2/13/2023 8:40:00 PM	73131
Toluene	ND	0.050		mg/Kg	1	2/13/2023 8:40:00 PM	73131
Ethylbenzene	ND	0.050		mg/Kg	1	2/13/2023 8:40:00 PM	73131
Xylenes, Total	ND	0.099		mg/Kg	1	2/13/2023 8:40:00 PM	73131
Surr: 4-Bromofluorobenzene	88.2	70-130		%Rec	1	2/13/2023 8:40:00 PM	73131

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Page 11 of 32

## Analytical Report

Lab Order 2302144

Date Reported: 2/15/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-6

Project: Mobile CI 7

Collection Date: 2/1/2023 12:30:00 PM

Lab ID: 2302144-012

Matrix: SOIL

Received Date: 2/3/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	130	60		mg/Kg	20	2/8/2023 11:41:52 AM	73068
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	2/8/2023 4:16:33 AM	73009
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	2/8/2023 4:16:33 AM	73009
Surr: DNOP	82.9	69-147		%Rec	1	2/8/2023 4:16:33 AM	73009
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>JJP</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/10/2023 12:42:19 AM	72998
Surr: BFB	95.8	37.7-212		%Rec	1	2/10/2023 12:42:19 AM	72998
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.024		mg/Kg	1	2/13/2023 8:59:00 PM	73131
Toluene	ND	0.048		mg/Kg	1	2/13/2023 8:59:00 PM	73131
Ethylbenzene	ND	0.048		mg/Kg	1	2/13/2023 8:59:00 PM	73131
Xylenes, Total	ND	0.097		mg/Kg	1	2/13/2023 8:59:00 PM	73131
Surr: 4-Bromofluorobenzene	88.4	70-130		%Rec	1	2/13/2023 8:59:00 PM	73131

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Page 12 of 32

## Analytical Report

Lab Order 2302144

Date Reported: 2/15/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-7

Project: Mobile CI 7

Collection Date: 2/1/2023 12:32:00 PM

Lab ID: 2302144-013

Matrix: SOIL

Received Date: 2/3/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	120	60		mg/Kg	20	2/8/2023 11:54:17 AM	73068
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	2/8/2023 4:29:57 AM	73009
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	2/8/2023 4:29:57 AM	73009
Surr: DNOP	92.9	69-147		%Rec	1	2/8/2023 4:29:57 AM	73009
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>JJP</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/10/2023 1:05:37 AM	72998
Surr: BFB	99.1	37.7-212		%Rec	1	2/10/2023 1:05:37 AM	72998
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.024		mg/Kg	1	2/13/2023 9:19:00 PM	73131
Toluene	ND	0.048		mg/Kg	1	2/13/2023 9:19:00 PM	73131
Ethylbenzene	ND	0.048		mg/Kg	1	2/13/2023 9:19:00 PM	73131
Xylenes, Total	ND	0.096		mg/Kg	1	2/13/2023 9:19:00 PM	73131
Surr: 4-Bromofluorobenzene	87.1	70-130		%Rec	1	2/13/2023 9:19:00 PM	73131

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Page 13 of 32

## Analytical Report

Lab Order 2302144

Date Reported: 2/15/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-8

Project: Mobile CI 7

Collection Date: 2/1/2023 12:34:00 PM

Lab ID: 2302144-014

Matrix: SOIL

Received Date: 2/3/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	91	60		mg/Kg	20	2/8/2023 12:06:42 PM	73068
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	2/8/2023 4:43:30 AM	73009
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/8/2023 4:43:30 AM	73009
Surr: DNOP	99.8	69-147		%Rec	1	2/8/2023 4:43:30 AM	73009
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>JJP</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	2/10/2023 1:28:55 AM	72998
Surr: BFB	98.0	37.7-212		%Rec	1	2/10/2023 1:28:55 AM	72998
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	2/13/2023 9:39:00 PM	73131
Toluene	ND	0.050		mg/Kg	1	2/13/2023 9:39:00 PM	73131
Ethylbenzene	ND	0.050		mg/Kg	1	2/13/2023 9:39:00 PM	73131
Xylenes, Total	ND	0.10		mg/Kg	1	2/13/2023 9:39:00 PM	73131
Surr: 4-Bromofluorobenzene	89.1	70-130		%Rec	1	2/13/2023 9:39:00 PM	73131

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Page 14 of 32



## Analytical Report

Lab Order 2302144

Date Reported: 2/15/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-9

Project: Mobile CI 7

Collection Date: 2/1/2023 12:36:00 PM

Lab ID: 2302144-015

Matrix: SOIL

Received Date: 2/3/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	120	60		mg/Kg	20	2/8/2023 12:19:07 PM	73068
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	2/8/2023 4:56:59 AM	73009
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/8/2023 4:56:59 AM	73009
Surr: DNOP	90.0	69-147		%Rec	1	2/8/2023 4:56:59 AM	73009
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>JJP</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/10/2023 1:52:35 AM	72998
Surr: BFB	96.6	37.7-212		%Rec	1	2/10/2023 1:52:35 AM	72998
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.024		mg/Kg	1	2/13/2023 9:58:00 PM	73131
Toluene	ND	0.048		mg/Kg	1	2/13/2023 9:58:00 PM	73131
Ethylbenzene	ND	0.048		mg/Kg	1	2/13/2023 9:58:00 PM	73131
Xylenes, Total	ND	0.096		mg/Kg	1	2/13/2023 9:58:00 PM	73131
Surr: 4-Bromofluorobenzene	90.1	70-130		%Rec	1	2/13/2023 9:58:00 PM	73131

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Page 15 of 32

## Analytical Report

Lab Order 2302144

Date Reported: 2/15/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-10

Project: Mobile CI 7

Collection Date: 2/1/2023 12:38:00 PM

Lab ID: 2302144-016

Matrix: SOIL

Received Date: 2/3/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	140	60		mg/Kg	20	2/8/2023 12:31:32 PM	73068
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	2/8/2023 5:10:50 AM	73009
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/8/2023 5:10:50 AM	73009
Surr: DNOP	69.5	69-147		%Rec	1	2/8/2023 5:10:50 AM	73009
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>JJP</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/10/2023 2:15:55 AM	72998
Surr: BFB	97.0	37.7-212		%Rec	1	2/10/2023 2:15:55 AM	72998
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	2/13/2023 10:18:00 PM	73131
Toluene	ND	0.049		mg/Kg	1	2/13/2023 10:18:00 PM	73131
Ethylbenzene	ND	0.049		mg/Kg	1	2/13/2023 10:18:00 PM	73131
Xylenes, Total	ND	0.099		mg/Kg	1	2/13/2023 10:18:00 PM	73131
Surr: 4-Bromofluorobenzene	91.0	70-130		%Rec	1	2/13/2023 10:18:00 PM	73131

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Page 16 of 32

## Analytical Report

Lab Order 2302144

Date Reported: 2/15/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-11

Project: Mobile CI 7

Collection Date: 2/1/2023 12:40:00 PM

Lab ID: 2302144-017

Matrix: SOIL

Received Date: 2/3/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	190	60		mg/Kg	20	2/8/2023 1:08:46 PM	73068
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	2/8/2023 5:24:37 AM	73009
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	2/8/2023 5:24:37 AM	73009
Surr: DNOP	102	69-147		%Rec	1	2/8/2023 5:24:37 AM	73009
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>JJP</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/10/2023 2:39:16 AM	72998
Surr: BFB	98.6	37.7-212		%Rec	1	2/10/2023 2:39:16 AM	72998
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.024		mg/Kg	1	2/13/2023 10:38:00 PM	73131
Toluene	ND	0.049		mg/Kg	1	2/13/2023 10:38:00 PM	73131
Ethylbenzene	ND	0.049		mg/Kg	1	2/13/2023 10:38:00 PM	73131
Xylenes, Total	ND	0.097		mg/Kg	1	2/13/2023 10:38:00 PM	73131
Surr: 4-Bromofluorobenzene	89.8	70-130		%Rec	1	2/13/2023 10:38:00 PM	73131

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Page 17 of 32

## Analytical Report

Lab Order 2302144

Date Reported: 2/15/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-12

Project: Mobile CI 7

Collection Date: 2/1/2023 12:42:00 PM

Lab ID: 2302144-018

Matrix: SOIL

Received Date: 2/3/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	180	60		mg/Kg	20	2/8/2023 1:21:11 PM	73068
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	2/7/2023 1:28:31 PM	73014
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/7/2023 1:28:31 PM	73014
Surr: DNOP	89.5	69-147		%Rec	1	2/7/2023 1:28:31 PM	73014
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/9/2023 7:30:00 PM	72999
Surr: BFB	97.2	37.7-212		%Rec	1	2/9/2023 7:30:00 PM	72999
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	2/9/2023 7:30:00 PM	72999
Toluene	ND	0.049		mg/Kg	1	2/9/2023 7:30:00 PM	72999
Ethylbenzene	ND	0.049		mg/Kg	1	2/9/2023 7:30:00 PM	72999
Xylenes, Total	ND	0.099		mg/Kg	1	2/9/2023 7:30:00 PM	72999
Surr: 4-Bromofluorobenzene	94.9	70-130		%Rec	1	2/9/2023 7:30:00 PM	72999

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Page 18 of 32

## Analytical Report

Lab Order 2302144

Date Reported: 2/15/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-13

Project: Mobile CI 7

Collection Date: 2/1/2023 12:44:00 PM

Lab ID: 2302144-019

Matrix: SOIL

Received Date: 2/3/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	140	60		mg/Kg	20	2/8/2023 1:33:36 PM	73068
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	2/7/2023 2:09:25 PM	73014
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/7/2023 2:09:25 PM	73014
Surr: DNOP	128	69-147		%Rec	1	2/7/2023 2:09:25 PM	73014
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/9/2023 8:29:00 PM	72999
Surr: BFB	92.0	37.7-212		%Rec	1	2/9/2023 8:29:00 PM	72999
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	2/9/2023 8:29:00 PM	72999
Toluene	ND	0.050		mg/Kg	1	2/9/2023 8:29:00 PM	72999
Ethylbenzene	ND	0.050		mg/Kg	1	2/9/2023 8:29:00 PM	72999
Xylenes, Total	ND	0.099		mg/Kg	1	2/9/2023 8:29:00 PM	72999
Surr: 4-Bromofluorobenzene	91.6	70-130		%Rec	1	2/9/2023 8:29:00 PM	72999

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Page 19 of 32



## Analytical Report

Lab Order 2302144

Date Reported: 2/15/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: W-6

Project: Mobile CI 7

Collection Date: 2/1/2023 1:00:00 PM

Lab ID: 2302144-020

Matrix: SOIL

Received Date: 2/3/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	99	60		mg/Kg	20	2/8/2023 1:46:01 PM	73068
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	10	9.8		mg/Kg	1	2/7/2023 2:23:03 PM	73014
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/7/2023 2:23:03 PM	73014
Surr: DNOP	79.7	69-147		%Rec	1	2/7/2023 2:23:03 PM	73014
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/9/2023 9:28:00 PM	72999
Surr: BFB	94.1	37.7-212		%Rec	1	2/9/2023 9:28:00 PM	72999
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	2/9/2023 9:28:00 PM	72999
Toluene	ND	0.050		mg/Kg	1	2/9/2023 9:28:00 PM	72999
Ethylbenzene	ND	0.050		mg/Kg	1	2/9/2023 9:28:00 PM	72999
Xylenes, Total	ND	0.10		mg/Kg	1	2/9/2023 9:28:00 PM	72999
Surr: 4-Bromofluorobenzene	92.7	70-130		%Rec	1	2/9/2023 9:28:00 PM	72999

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Page 20 of 32

## Analytical Report

Lab Order 2302144

Date Reported: 2/15/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: W-7

Project: Mobile CI 7

Collection Date: 2/1/2023 1:02:00 PM

Lab ID: 2302144-021

Matrix: SOIL

Received Date: 2/3/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	110	60		mg/Kg	20	2/8/2023 1:58:26 PM	73068
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	2/7/2023 2:36:50 PM	73014
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/7/2023 2:36:50 PM	73014
Surr: DNOP	95.0	69-147		%Rec	1	2/7/2023 2:36:50 PM	73014
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/9/2023 9:47:00 PM	72999
Surr: BFB	91.5	37.7-212		%Rec	1	2/9/2023 9:47:00 PM	72999
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.024		mg/Kg	1	2/9/2023 9:47:00 PM	72999
Toluene	0.067	0.048		mg/Kg	1	2/9/2023 9:47:00 PM	72999
Ethylbenzene	ND	0.048		mg/Kg	1	2/9/2023 9:47:00 PM	72999
Xylenes, Total	ND	0.096		mg/Kg	1	2/9/2023 9:47:00 PM	72999
Surr: 4-Bromofluorobenzene	90.2	70-130		%Rec	1	2/9/2023 9:47:00 PM	72999

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Page 21 of 32

## Analytical Report

Lab Order 2302144

Date Reported: 2/15/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: W-8

Project: Mobile CI 7

Collection Date: 2/1/2023 1:04:00 PM

Lab ID: 2302144-022

Matrix: SOIL

Received Date: 2/3/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	120	60		mg/Kg	20	2/8/2023 2:10:51 PM	73068
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	2/7/2023 2:50:37 PM	73014
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/7/2023 2:50:37 PM	73014
Surr: DNOP	90.3	69-147		%Rec	1	2/7/2023 2:50:37 PM	73014
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/9/2023 10:07:00 PM	72999
Surr: BFB	90.9	37.7-212		%Rec	1	2/9/2023 10:07:00 PM	72999
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	2/9/2023 10:07:00 PM	72999
Toluene	0.061	0.050		mg/Kg	1	2/9/2023 10:07:00 PM	72999
Ethylbenzene	ND	0.050		mg/Kg	1	2/9/2023 10:07:00 PM	72999
Xylenes, Total	ND	0.099		mg/Kg	1	2/9/2023 10:07:00 PM	72999
Surr: 4-Bromofluorobenzene	89.3	70-130		%Rec	1	2/9/2023 10:07:00 PM	72999

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Page 22 of 32

## Analytical Report

Lab Order 2302144

Date Reported: 2/15/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-14

Project: Mobile CI 7

Collection Date: 2/1/2023 1:30:00 PM

Lab ID: 2302144-023

Matrix: SOIL

Received Date: 2/3/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	170	60		mg/Kg	20	2/8/2023 2:23:15 PM	73068
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	2/7/2023 3:04:13 PM	73014
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/7/2023 3:04:13 PM	73014
Surr: DNOP	101	69-147		%Rec	1	2/7/2023 3:04:13 PM	73014
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/9/2023 10:27:00 PM	72999
Surr: BFB	95.9	37.7-212		%Rec	1	2/9/2023 10:27:00 PM	72999
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	2/9/2023 10:27:00 PM	72999
Toluene	ND	0.049		mg/Kg	1	2/9/2023 10:27:00 PM	72999
Ethylbenzene	ND	0.049		mg/Kg	1	2/9/2023 10:27:00 PM	72999
Xylenes, Total	ND	0.099		mg/Kg	1	2/9/2023 10:27:00 PM	72999
Surr: 4-Bromofluorobenzene	94.0	70-130		%Rec	1	2/9/2023 10:27:00 PM	72999

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Page 23 of 32

## Analytical Report

Lab Order 2302144

Date Reported: 2/15/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-15

Project: Mobile CI 7

Collection Date: 2/1/2023 1:32:00 PM

Lab ID: 2302144-024

Matrix: SOIL

Received Date: 2/3/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	170	60		mg/Kg	20	2/8/2023 2:35:40 PM	73068
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	2/9/2023 1:17:46 PM	73014
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/9/2023 1:17:46 PM	73014
Surr: DNOP	118	69-147		%Rec	1	2/9/2023 1:17:46 PM	73014
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/9/2023 10:46:00 PM	72999
Surr: BFB	97.8	37.7-212		%Rec	1	2/9/2023 10:46:00 PM	72999
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	2/9/2023 10:46:00 PM	72999
Toluene	ND	0.049		mg/Kg	1	2/9/2023 10:46:00 PM	72999
Ethylbenzene	ND	0.049		mg/Kg	1	2/9/2023 10:46:00 PM	72999
Xylenes, Total	ND	0.099		mg/Kg	1	2/9/2023 10:46:00 PM	72999
Surr: 4-Bromofluorobenzene	95.2	70-130		%Rec	1	2/9/2023 10:46:00 PM	72999

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Page 24 of 32

## Analytical Report

Lab Order 2302144

Date Reported: 2/15/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-16

Project: Mobile CI 7

Collection Date: 2/1/2023 1:34:00 PM

Lab ID: 2302144-025

Matrix: SOIL

Received Date: 2/3/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	190	60		mg/Kg	20	2/8/2023 2:48:04 PM	73068
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	2/7/2023 3:31:21 PM	73014
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/7/2023 3:31:21 PM	73014
Surr: DNOP	111	69-147		%Rec	1	2/7/2023 3:31:21 PM	73014
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/9/2023 11:06:00 PM	72999
Surr: BFB	91.7	37.7-212		%Rec	1	2/9/2023 11:06:00 PM	72999
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.024		mg/Kg	1	2/9/2023 11:06:00 PM	72999
Toluene	ND	0.049		mg/Kg	1	2/9/2023 11:06:00 PM	72999
Ethylbenzene	ND	0.049		mg/Kg	1	2/9/2023 11:06:00 PM	72999
Xylenes, Total	ND	0.098		mg/Kg	1	2/9/2023 11:06:00 PM	72999
Surr: 4-Bromofluorobenzene	92.0	70-130		%Rec	1	2/9/2023 11:06:00 PM	72999

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Page 25 of 32



## Analytical Report

Lab Order 2302144

Date Reported: 2/15/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-17

Project: Mobile CI 7

Collection Date: 2/1/2023 1:36:00 PM

Lab ID: 2302144-026

Matrix: SOIL

Received Date: 2/3/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	150	60		mg/Kg	20	2/8/2023 3:00:29 PM	73068
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	2/7/2023 3:45:55 PM	73014
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/7/2023 3:45:55 PM	73014
Surr: DNOP	113	69-147		%Rec	1	2/7/2023 3:45:55 PM	73014
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/9/2023 11:26:00 PM	72999
Surr: BFB	94.1	37.7-212		%Rec	1	2/9/2023 11:26:00 PM	72999
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	2/9/2023 11:26:00 PM	72999
Toluene	ND	0.050		mg/Kg	1	2/9/2023 11:26:00 PM	72999
Ethylbenzene	ND	0.050		mg/Kg	1	2/9/2023 11:26:00 PM	72999
Xylenes, Total	ND	0.099		mg/Kg	1	2/9/2023 11:26:00 PM	72999
Surr: 4-Bromofluorobenzene	94.5	70-130		%Rec	1	2/9/2023 11:26:00 PM	72999

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Page 26 of 32

## Analytical Report

Lab Order 2302144

Date Reported: 2/15/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-18

Project: Mobile CI 7

Collection Date: 2/1/2023 1:38:00 PM

Lab ID: 2302144-027

Matrix: SOIL

Received Date: 2/3/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	150	60		mg/Kg	20	2/8/2023 3:37:45 PM	73068
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	2/7/2023 9:58:03 PM	73014
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/7/2023 9:58:03 PM	73014
Surr: DNOP	117	69-147		%Rec	1	2/7/2023 9:58:03 PM	73014
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/9/2023 11:45:00 PM	72999
Surr: BFB	94.7	37.7-212		%Rec	1	2/9/2023 11:45:00 PM	72999
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.024		mg/Kg	1	2/9/2023 11:45:00 PM	72999
Toluene	ND	0.048		mg/Kg	1	2/9/2023 11:45:00 PM	72999
Ethylbenzene	ND	0.048		mg/Kg	1	2/9/2023 11:45:00 PM	72999
Xylenes, Total	ND	0.097		mg/Kg	1	2/9/2023 11:45:00 PM	72999
Surr: 4-Bromofluorobenzene	94.1	70-130		%Rec	1	2/9/2023 11:45:00 PM	72999

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Page 27 of 32

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

WO#: 2302144

15-Feb-23

**Client:** EOG  
**Project:** Mobile CI 7

Sample ID: <b>MB-73052</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>73052</b>	RunNo: <b>94463</b>								
Prep Date: <b>2/7/2023</b>	Analysis Date: <b>2/7/2023</b>	SeqNo: <b>3413430</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-73052</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>73052</b>	RunNo: <b>94463</b>								
Prep Date: <b>2/7/2023</b>	Analysis Date: <b>2/7/2023</b>	SeqNo: <b>3413432</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	98.2	90	110			

Sample ID: <b>MB-73068</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>73068</b>	RunNo: <b>94479</b>								
Prep Date: <b>2/8/2023</b>	Analysis Date: <b>2/8/2023</b>	SeqNo: <b>3414994</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-73068</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>73068</b>	RunNo: <b>94479</b>								
Prep Date: <b>2/8/2023</b>	Analysis Date: <b>2/8/2023</b>	SeqNo: <b>3414995</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.7	90	110			

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank  
E Above Quantitation Range/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#: 2302144

15-Feb-23

**Client:** EOG  
**Project:** Mobile CI 7

Sample ID: <b>LCS-73014</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>73014</b>		RunNo: <b>94448</b>							
Prep Date: <b>2/6/2023</b>	Analysis Date: <b>2/7/2023</b>		SeqNo: <b>3413654</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	62	10	50.00	0	125	61.9	130			
Surr: DNOP	5.6		5.000		113	69	147			

Sample ID: <b>MB-73009</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>PBS</b>	Batch ID: <b>73009</b>		RunNo: <b>94448</b>							
Prep Date: <b>2/6/2023</b>	Analysis Date: <b>2/7/2023</b>		SeqNo: <b>3413655</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		111	69	147			

Sample ID: <b>LCS-73009</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>73009</b>		RunNo: <b>94448</b>							
Prep Date: <b>2/6/2023</b>	Analysis Date: <b>2/7/2023</b>		SeqNo: <b>3413656</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	61	15	50.00	0	122	61.9	130			
Surr: DNOP	5.6		5.000		112	69	147			

Sample ID: <b>MB-73030</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>PBS</b>	Batch ID: <b>73030</b>		RunNo: <b>94448</b>							
Prep Date: <b>2/6/2023</b>	Analysis Date: <b>2/7/2023</b>		SeqNo: <b>3413657</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10		10.00		101	69	147			

Sample ID: <b>LCS-73030</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>73030</b>		RunNo: <b>94448</b>							
Prep Date: <b>2/6/2023</b>	Analysis Date: <b>2/7/2023</b>		SeqNo: <b>3413658</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.9		5.000		97.8	69	147			

Sample ID: <b>MB-73014</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>PBS</b>	Batch ID: <b>73014</b>		RunNo: <b>94502</b>							
Prep Date: <b>2/6/2023</b>	Analysis Date: <b>2/9/2023</b>		SeqNo: <b>3415108</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								

**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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank  
E Above Quantitation Range/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#: 2302144

15-Feb-23

Client: EOG

Project: Mobile CI 7

Sample ID: MB-73014	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 73014	RunNo: 94502								
Prep Date: 2/6/2023	Analysis Date: 2/9/2023	SeqNo: 3415108 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	12		10.00		121	69	147			

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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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#: 2302144

15-Feb-23

**Client:** EOG  
**Project:** Mobile CI 7

Sample ID: <b>ics-72998</b>	SampType: <b>LCS</b>				TestCode: <b>EPA Method 8015D: Gasoline Range</b>					
Client ID: <b>LCSS</b>	Batch ID: <b>72998</b>				RunNo: <b>94497</b>					
Prep Date: <b>2/3/2023</b>	Analysis Date: <b>2/9/2023</b>				SeqNo: <b>3415623</b>	Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	110	72.3	137			
Surr: BFB	1100		1000		112	37.7	212			

Sample ID: <b>mb-72998</b>	SampType: <b>MBLK</b>				TestCode: <b>EPA Method 8015D: Gasoline Range</b>					
Client ID: <b>PBS</b>	Batch ID: <b>72998</b>				RunNo: <b>94497</b>					
Prep Date: <b>2/3/2023</b>	Analysis Date: <b>2/9/2023</b>				SeqNo: <b>3415624</b>	Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		101	37.7	212			

Sample ID: <b>ics-72999</b>	SampType: <b>LCS</b>				TestCode: <b>EPA Method 8015D: Gasoline Range</b>					
Client ID: <b>LCSS</b>	Batch ID: <b>72999</b>				RunNo: <b>94498</b>					
Prep Date: <b>2/3/2023</b>	Analysis Date: <b>2/9/2023</b>				SeqNo: <b>3416389</b>	Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	107	72.3	137			
Surr: BFB	1100		1000		108	37.7	212			

Sample ID: <b>mb-72999</b>	SampType: <b>MBLK</b>				TestCode: <b>EPA Method 8015D: Gasoline Range</b>					
Client ID: <b>PBS</b>	Batch ID: <b>72999</b>				RunNo: <b>94498</b>					
Prep Date: <b>2/3/2023</b>	Analysis Date: <b>2/9/2023</b>				SeqNo: <b>3416391</b>	Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	960		1000		96.0	37.7	212			

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank  
E Above Quantitation Range/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#: 2302144

15-Feb-23

**Client:** EOG  
**Project:** Mobile CI 7

Sample ID: <b>ics-72999</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>72999</b>			RunNo: <b>94498</b>						
Prep Date: <b>2/3/2023</b>	Analysis Date: <b>2/9/2023</b>			SeqNo: <b>3416512</b>			Units: <b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.025	1.000	0	97.1	80	120			
Toluene	0.97	0.050	1.000	0	97.1	80	120			
Ethylbenzene	0.96	0.050	1.000	0	96.1	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.1	80	120			
Surr: 4-Bromofluorobenzene	0.95		1.000		95.0	70	130			

Sample ID: <b>mb-72999</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>PBS</b>	Batch ID: <b>72999</b>			RunNo: <b>94498</b>						
Prep Date: <b>2/3/2023</b>	Analysis Date: <b>2/9/2023</b>			SeqNo: <b>3416513</b>			Units: <b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.95		1.000		94.7	70	130			

Sample ID: <b>ics-73131</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>73131</b>			RunNo: <b>94574</b>						
Prep Date: <b>2/10/2023</b>	Analysis Date: <b>2/13/2023</b>			SeqNo: <b>3418828</b>			Units: <b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.86	0.025	1.000	0	86.2	80	120			
Toluene	0.87	0.050	1.000	0	86.9	80	120			
Ethylbenzene	0.87	0.050	1.000	0	86.7	80	120			
Xylenes, Total	2.6	0.10	3.000	0	86.6	80	120			
Surr: 4-Bromofluorobenzene	0.95		1.000		94.8	70	130			

Sample ID: <b>mb-73131</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>PBS</b>	Batch ID: <b>73131</b>			RunNo: <b>94574</b>						
Prep Date: <b>2/10/2023</b>	Analysis Date: <b>2/13/2023</b>			SeqNo: <b>3418829</b>			Units: <b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.92		1.000		91.7	70	130			

**Qualifiers:**

* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit	P Sample pH Not In Range
PQL Practical Quantitative Limit	RL Reporting Limit
S % Recovery outside of standard limits. If undiluted results may be estimated.	



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

## Sample Log-In Check List

Client Name: EOG

Work Order Number: 2302144

RcptNo: 1

Received By: Tracy Casarrubias 2/3/2023 7:25:00 AM

Completed By: Tracy Casarrubias 2/3/2023 8:09:32 AM

Reviewed By: *SL 2/3/23*

### Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐

2. How was the sample delivered? Courier

### Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐

4. Were all samples received at a temperature of >0° C to 6.0°C Yes ☒ No ☐ NA ☐

5. Sample(s) in proper container(s)? Yes ☒ No ☐

6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐

7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐

8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐

9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes ☐ No ☐ NA ☒

10. Were any sample containers received broken? Yes ☐ No ☒

11. Does paperwork match bottle labels? Yes ☒ No ☐

(Note discrepancies on chain of custody)

12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐

13. Is it clear what analyses were requested? Yes ☒ No ☐

14. Were all holding times able to be met? Yes ☒ No ☐

(If no, notify customer for authorization.)

# of preserved  
bottles checked  
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by: *Ju 2/3/23*

### Special Handling (if applicable)

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

Person Notified:

Date:

By Whom:

Via:

☐ eMail

☐ Phone

☐ Fax

☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

### 17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.9	Good	Yes	morty		

Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.  
Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210  
Ranger: PO Box 201179, Austin TX 78720  
Phone #: 521-335-1785  
email or Fax#: Will@RangerEnv.com  
QA/QC Package:  
■ Standard □ Level 4 (Full Validation)  
Accreditation: □ Az Compliance  
■ NELAC □ Other  
■ EDD (Type) Excel

Turn-Around Time: EOG 5 Day TAT  
Standard ☒ Rush  
Project Name: MOBILE #7  
Project #: 5375  
Project Manager: W. Kierdorf  
Sampler: J. Martinez  
On Ice: ☒ Yes ☐ No  
# of Coolers: 1  
Cooler Temp (including CP): 1-1-0-2-0-9-  
Container Type and # Preservative Type HEAL No.  
1x402500 ICE 001  
2302144

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX (8021)	TPH:8015D(GRO / DRO / MRO)	Chloride (EPA 300)
2-2-23	0940	Soil	W-1	1x402500	ICE	001	X	X	X
	1120		W-2			002			
	1120		W-2/G			003			
	1140		W-3			004			
	1142		W-4			005			
	1144		W-5			006			
	1220		B-1			007			
	1222		B-2			008			
	1224		B-3			009			
	1226		B-4			010			
	1228		B-5			011			
	1230		B-6			012			

Analysis Request

Received by: J. Martinez Date: 2/2/23 Time: 1044  
Relinquished by: J. Martinez Date: 2/2/23 Time: 1044  
Remarks: Bill to EOG Artesia

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

Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.  
Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210  
Ranger: PO Box 201179, Austin TX 78720  
Phone #: 521-335-1785  
email or Fax#: Will@RangerEnv.com  
QA/QC Package: ☒ Standard ☐ Level 4 (Full Validation)  
Accreditation: ☐ Az Compliance ☐ NELAC ☐ Other  
EDD (Type) Excel

Turn-Around Time: EOG 5 DAY TAT  
☒ Standard ☒ Rush  
Project Name: MOBIL CI #7  
Project #: 5375  
Project Manager: W. Kierdorf  
Sampler: P. Martinez  
On Ice: ☒ Yes ☐ No moving  
# of Coolers: 1  
Cooler Temp (including CP): 1.1-0.2-0.9 C

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
2-2-23	1232	soil	B-7	1x4oz jar	ICE	2302144
	1234		B-8			013
	1236		B-9			014
	1238		B-10			015
	1240		B-11			016
	1242		B-12			017
	1244		B-13			018
	1306		B-14 W-6			019
	1302		B-15 W-7			020
	1304		B W-8			021
	1330		B-14			022
	1332		B-15			023
						024

Relinquished by: P. Martinez Date: 2-2-23 Time: 1044  
Relinquished by: [Signature] Date: 2/2/23 Time: 1900  
Received by: [Signature] Date: 2/2/23 Time: 1044  
Received by: [Signature] Date: 2/3/23 Time: 7:25



HALL ENVIRONMENTAL ANALYSIS LABORATORY  
www.hallenvironmental.com  
4901 Hawkins NE - Albuquerque, NM 87109  
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request									
BTEX (8021)									
TPH:8015D(GRO / DRO / MRO)									
Chloride (EPA 300)									

Remarks: Bill to EOG Artesia

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



## Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.

Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210

Ranger: PO Box 201179, Austin TX 78720

Phone #: 521-335-1785

email or Fax#: Will@RangerEnv.com

QA/QC Package:

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

☒ EDD (Type)
 ☐ Excel

 Turn-Around Time: EOG 5 DAY TAT  
☒ Standard ☒ Rush  
 Project Name: MGBL CI #7  
 Project #: 5375

Project Manager: W. Kierdorf

 Sampler: A Martinez  
 On Ice: ☐ Yes ☐ No no  
 # of Coolers: 1
Cooler Temp (including CF): 1.1-0.2~0.5~
 Container Type and #  
 Preservative Type  
 HEAL No.

1x40 Jar ICE 2302194
1 1 025
1 1 026
1 1 027

Date Time Matrix Sample Name

2-2-23 1334 Soil B-16
1336  B-17
1338  B-18
Date: 2-2-23 1044Relinquished by: A MartinezDate: 2/2/23 1900Relinquished by: A MartinezReceived by: W. Kierdorf

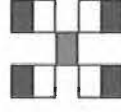
Date Time

2/2/23 1044
Received by: W. Kierdorf

Date Time

2/3/23 7:25

Remarks: Bill to EOG Artesia


**HALL ENVIRONMENTAL  
ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

## Analysis Request

 BTEX (8021) X  
 TPH:8015D(GRO / DRO / MRO) X  
 Chloride (EPA 300) X

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.

## ATTACHMENT 4 – NMOCD CORRESPONDENCE



---

From: Tina Huerta <[Tina\\_Huerta@eogresources.com](mailto:Tina_Huerta@eogresources.com)>

Sent: Monday, January 30, 2023 6:57 AM

To: [ocd.enviro@emnr.dnm.gov](mailto:ocd.enviro@emnr.dnm.gov); Alan & Cheryl <[ahowell@pvtn.net](mailto:ahowell@pvtn.net)>; Austin Weyant <[austin@atkinseng.com](mailto:austin@atkinseng.com)>

Cc: Andrea Felix <[Andrea\\_Felix@eogresources.com](mailto:Andrea_Felix@eogresources.com)>; Katie Jamison <[Katie\\_Jamison@eogresources.com](mailto:Katie_Jamison@eogresources.com)>; Michael Yemm <[Michael\\_Yemm@eogresources.com](mailto:Michael_Yemm@eogresources.com)>; Terrence Gant <[Terry\\_Gant@eogresources.com](mailto:Terry_Gant@eogresources.com)>

Subject: Mobil CI Federal 7 (nAPP2301854079) Sampling Notification

Good Morning,

EOG Resources, Inc. respectfully submits notification (2) business days prior to conducting sampling on the following location.

Mobil CI Federal 7

J-8-19S-25E

Eddy County, NM

nAPP2301854079

Sampling will begin at 8:00 a.m. on Wednesday, February 1, 2023.

Thank you,

*Tina Huerta*

*Regulatory Specialist*

*Direct: 575.748.4168*

*Cell: 575.703.3121*

*Email: [tina\\_huerta@eogresources.com](mailto:tina_huerta@eogresources.com)*



**Artesia Division**

**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 191430

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 191430
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAPP2301854079 MOBIL CI FEDERAL #7, thank you. This closure is approved.	7/14/2023