



## **SITE REMEDIATION AND CLOSURE REPORT**

**MOBIL CI #9 FLOWLINE  
UNIT K, SECTION 5, T19S-R25E  
EDDY COUNTY, NEW MEXICO  
32.68786, -104.51041  
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**

**DECEMBER 20, 2022**

A blue ink signature of Patrick K. Finn, consisting of a stylized 'P' followed by a horizontal line and a small flourish.

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

A blue ink signature of William Kierdorf, featuring a series of connected loops and a horizontal line at the end.

**William Kierdorf, REM  
Project Manager**

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**TABLE OF CONTENTS**

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<b>1.0</b>	<b>SITE LOCATION AND BACKGROUND .....</b>	<b>1</b>
<b>2.0</b>	<b>SITE REMEDIATION .....</b>	<b>2</b>
2.1	Closure Criteria.....	2
2.2	Site Remediation and Confirmation Sampling.....	2
2.3	Final Confirmation Sample Results .....	3
2.4	Waste Disposal.....	3
<b>3.0</b>	<b>SITE CLOSURE.....</b>	<b>3</b>
3.1	Site Backfill & Revegetation .....	3
3.2	Closure Request.....	3

**FORM C-141****FIGURES**

- Topographic Map
- Area Map
- Excavation Area Map
- Final Excavation and Confirmation Sample Location Map (Eastern Area)
- Final Excavation and Confirmation Sample Location Map (Western Area)

**TABLES**

- Confirmation Soil Sample BTEX, TPH & Chloride Analytical Data

**ATTACHMENTS**

- Attachment 1 – Photographic Documentation
- Attachment 2 – Laboratory Analytical Reports
- Attachment 3 – Howell Ranch Seed Mixture
- Attachment 4 – NMOCD Correspondence



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**RANGER REFERENCE NO. 5375**

**1.0 SITE LOCATION AND BACKGROUND**

The Mobil CI #9 Flowline (Site) is located immediately west of the former Mobil CI #9 Well Pad location on private property, approximately 12.5 miles southwest of Artesia, within Eddy County, New Mexico. The Site is situated in Unit K, Section 5, T19S-R25E at GPS coordinates 32.68786, -104.51041. The Mobil CI #9 well, historically operated by EOG Resources, Inc. (EOG), was plugged and abandoned in April 2021.

EOG was notified by representatives of the surface owner, Howell Ranch Revocable Trust, of areas of concern located west of the historic Mobil CI #9 well pad location along the historic path of the flowline associated with the well. The areas of concern were identified and reported due to lack of vegetation growth. Additionally, an Electromagnetic (EM) Survey was completed at the Site which indicated that multiple areas of elevated conductivity, possibly related to elevated chloride concentrations, were present along the path of the historic flowline.

EOG subsequently engaged Ranger Environmental Services, LLC. (Ranger) to assist in the assessment, remediation, and reclamation efforts at the Site. On June 23 and 24, 2022, Ranger and representatives of EOG conducted assessment activities at the reported locations. Information collected during the assessment process documented elevated soil chemical of concern (COC) concentrations in the reported areas. Based on the findings of the June 2022 site assessment activities, the incident was reported to the New Mexico Oil Conservation Division (NMOCD Incident # nAPP2223452565).

Remedial soil removal operations were initiated at the Site in October 2022, with the intent to complete the remedial efforts within the 90-day site characterization timeline outlined in NMAC 19.15.29.11. However, due to the nature of the impacted area and schedule of remediation activities, completing the remediation in the 90-day timeline was not possible. A Ranger prepared *Site Characterization, Assessment and Remediation Update*, dated November 18, 2022, was submitted to the NMOCD. The update included site characterization details, as well as details of the assessment and remedial activities completed at the Site. The report also outlined the outstanding remediation efforts necessary to bring the Site into compliance with NMAC 19.15.29. This *Site Remediation and Closure Report* has been prepared to provide full and final details of the remedial efforts at the Site.

The previously submitted Initial C-141 Form *Release Notification*, *Site Assessment/Characterization*, and *Remediation Plan* sections of Form C-141 are attached. Additionally, a current C-141 Closure section is attached. A *Topographic Map* and *Area Map*

noting the location of the subject Site and surrounding areas, and site maps illustrating the Site features and sampling locations, are provided in the Figures section.

## 2.0 SITE REMEDIATION

### 2.1 Closure Criteria

Based upon Site characterization details<sup>1</sup> provided in the “Site Characterization, Assessment, and Remediation Update,” dated November 18, 2022, the Site was remediated to Table 1 19.15.29.12 NMAC (groundwater >100 feet) criteria. Additionally, the remediation activities were completed to bring the surface to four-foot depth interval into compliance with the Restoration, Reclamation and Re-Vegetation criteria detailed in 19.15.29.13 NMAC. The site closure criteria are detailed below:

**SITE CLOSURE CRITERIA**

REGULATORY STANDARD	CHLORIDE	TPH (GRO+DRO +MRO)	TPH (GRO+DRO)	BTEX	BENZENE
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>2</sup>	---	50 <sup>2</sup>	10 <sup>2</sup>

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

1. Full site characterization details are included in the “Site Characterization, Assessment, and Remediation Update,” dated November 18, 2022
2. 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.

### 2.2 Site Remediation and Confirmation Sampling

As detailed in the “Site Characterization, Assessment, and Remediation Update,” dated November 18, 2022, soil removal operations were initiated at the Site in October 2022. The remedial excavation activities were completed in two distinct excavation areas dubbed the “Western Area” and the “Eastern Area.” During the excavation process, Ranger personnel collected field readings from the excavated areas utilizing an organic vapor monitor (OVM) and field chloride titration kit to guide the excavation process and determine when it appeared that the target closure criteria had been met.

To confirm that all excavated areas had been completed to appropriate boundaries, cleanup confirmation 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 number of these samples were documented by the laboratory to contain chloride and/or total petroleum hydrocarbon (TPH) concentrations remaining in excess of the target site closure criteria. To address these areas with remaining elevated chemical of concern (COC) concentrations, additional over-excavation activities were completed and additional cleanup confirmation samples



were collected for laboratory analysis in accordance with NMAC 19.15.29.12 with each sample representing less than 200 square feet. Cleanup confirmation soil sampling activities were conducted on October 20, 2022, November 3 and 18, 2022, and December 7, 2022. Prior to each cleanup confirmation sampling event, notice was provided to the NMOCD in accordance with NMAC 19.15.29.12(D). Copies of the notifications are attached.

Upon collection, all cleanup confirmation soil samples were submitted to Hall Environmental in Albuquerque, New Mexico for analysis of 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.

Upon completion, the Western Excavation Area had maximum dimensions of approximately 98 feet by 51 feet and had a maximum depth of approximately four feet. The Eastern Excavation Area was noted to have maximum dimensions of approximately 136 feet by 77 feet and also had a maximum depth of approximately four feet.

*Final Excavation and Confirmation Sample Location Maps* are attached for both the Western Excavation Area and Eastern Excavation Area which depict the final excavation boundaries and the cleanup confirmation sample locations.

### **2.3 Final Cleanup Confirmation Sample Results**

The final cleanup confirmation sample results documented that both the Western Excavation Area and Eastern Excavation Area have been brought into attainment of the site closure criteria. A comprehensive sample results table summarizing the laboratory analytical results for all cleanup confirmation soil samples collected during the remediation process is attached. Copies of the laboratory analytical reports including chain-of-custody documentation are also attached.

### **2.4 Waste Disposal**

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

## **3.0 SITE CLOSURE**

### **3.1 Site Backfill & Revegetation**

Based on the cleanup confirmation sampling results which documented removal of all soils in excess of the site closure criteria, the excavated areas will be backfilled with clean fill material in accordance with NMAC 19.15.29.12 and NMAC 19.15.29.13. Upon completion of the backfilling activities, the areas will be re-seeded with the surface owner directed seed mixture. A copy of the seed mixture is attached.

### **3.2 Closure Request**

Based on the completed site remediation and cleanup confirmation soil sampling activities, 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	nAPP2223452565
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 # nAPP2223452565
Contact mailing address 104 S. 4th Street, Artesia, NM 88210	

### Location of Release Source

Latitude 32.68786 Longitude -104.51041  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Mobil CI Federal #9- Pipeline	Site Type Pipeline
Date Release Discovered 08/22/2022	API# (if applicable) 30-015-23331

Unit Letter	Section	Township	Range	County
K	5	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 checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) Unknown	Volume Recovered (bbls) 0
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) Unknown	Volume Recovered (bbls) 0
	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 along the out of service pipeline ROW. An environmental consultant was retained to investigate the area for possible impacts of a historical release. Based on the initial investigation, it is the consultant's recommendation due to the dimensions and concentrations of constituents at the two distinct areas discovered along the pipeline ROW, that a C-141 be submitted.

Incident ID	nAPP2223452565
District RP	
Facility ID	
Application ID	

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

## 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>08/22/2022</u>
email: <u>Chase_Settle@eogresources.com</u>	Telephone: <u>575-748-1471</u>
<div style="border: 1px solid black; padding: 5px;"> <b><u>OCD Only</u></b>  <div style="display: flex; justify-content: space-between;"> <span>Received by: <u>Jocelyn Harimon</u></span> <span>Date: <u>08/22/2022</u></span> </div> </div>	



**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 136584

**CONDITIONS**

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 136584
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
jharimon	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141	8/22/2022

Incident ID	nAPP2223452565
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?	<u>&gt;109'</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

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

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

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

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

Incident ID	nAPP2223452565
District RP	
Facility ID	
Application ID	

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

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

Signature: Chase Settle Date: 11/18/2022

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

**OCD Only**

Received by: Jocelyn Harimon Date: 12/20/2022

Incident ID	nAPP2223452565
District RP	
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## Remediation Plan

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

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

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

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

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

Printed Name: Chase Settle Title: Rep Safety & Environmental Sr  
Signature: Chase Settle Date: 11/18/2022  
email: Chase\_Settle@eogresources.com Telephone: 575-748-1471

**OCD Only**

Received by: Jocelyn Harimon Date: 12/20/2022

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

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

Incident ID	nAPP2223452565
District RP	
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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: 12/20/2022  
email: Chase\_Settle@eogresources.com Telephone: 575-748-1471

**OCD Only**

Received by: Jocelyn Harimon Date: 12/20/2022

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**

**Excavation Area Map**

**Final Excavation and Confirmation Sample Location Map  
(Eastern Area)**

**Final Excavation and Confirmation Sample Location Map  
(Western Area)**

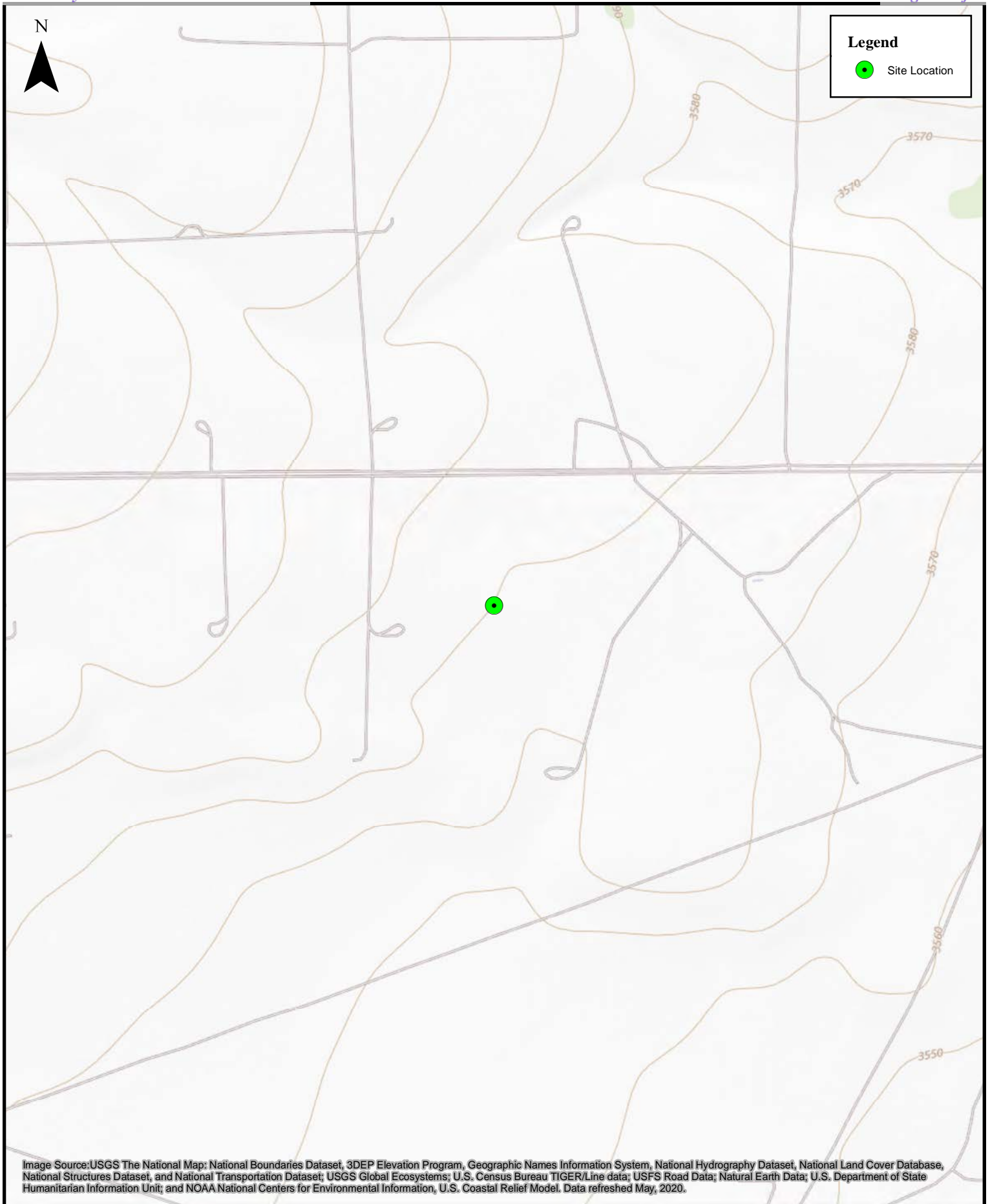


Image Source: USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS Road Data; Natural Earth Data; U.S. Department of State Humanitarian Information Unit; and NOAA National Centers for Environmental Information, U.S. Coastal Relief Model. Data refreshed May, 2020.

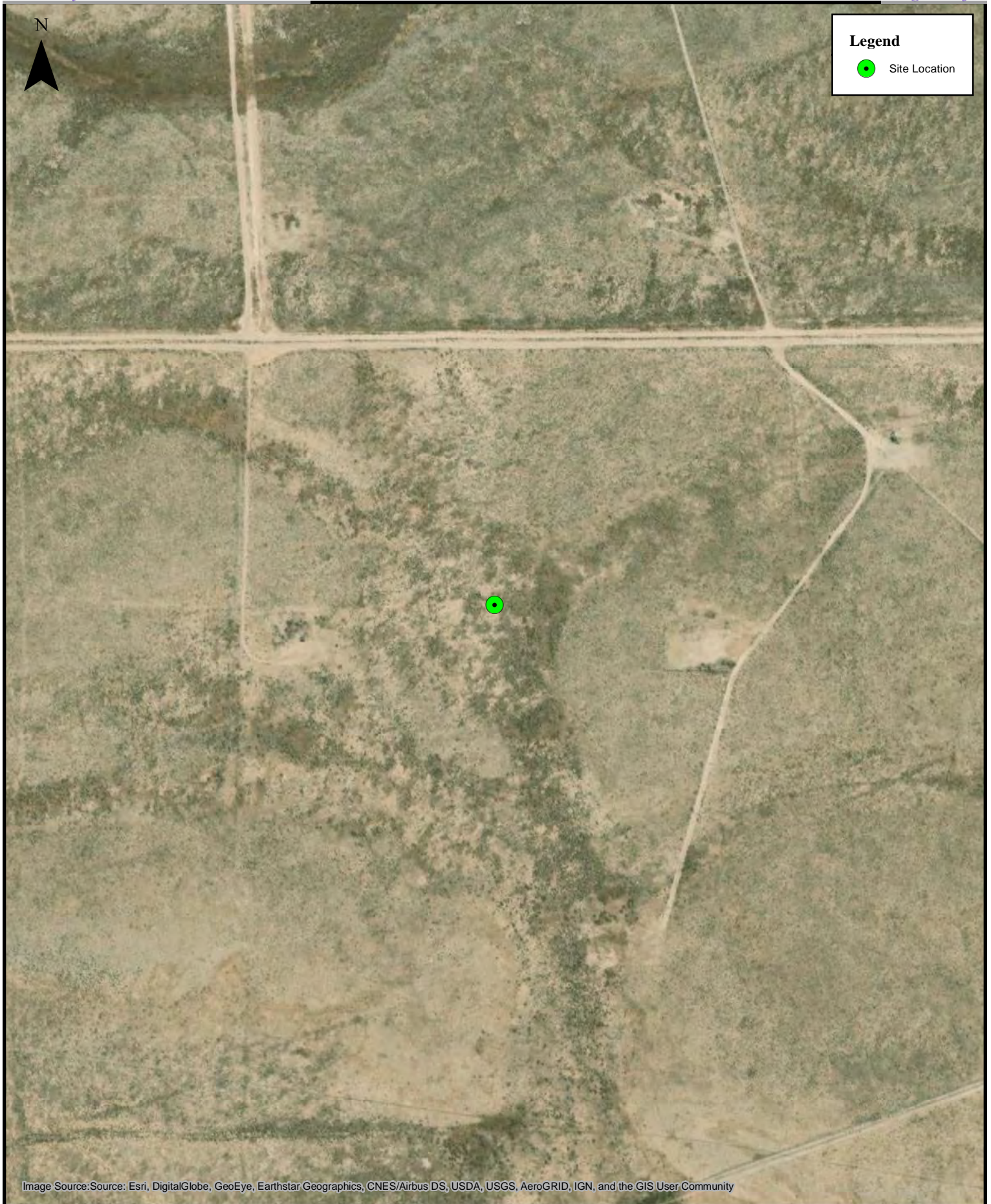



0 262.5 525 1,050 1,575 2,100 Feet

1:10,000

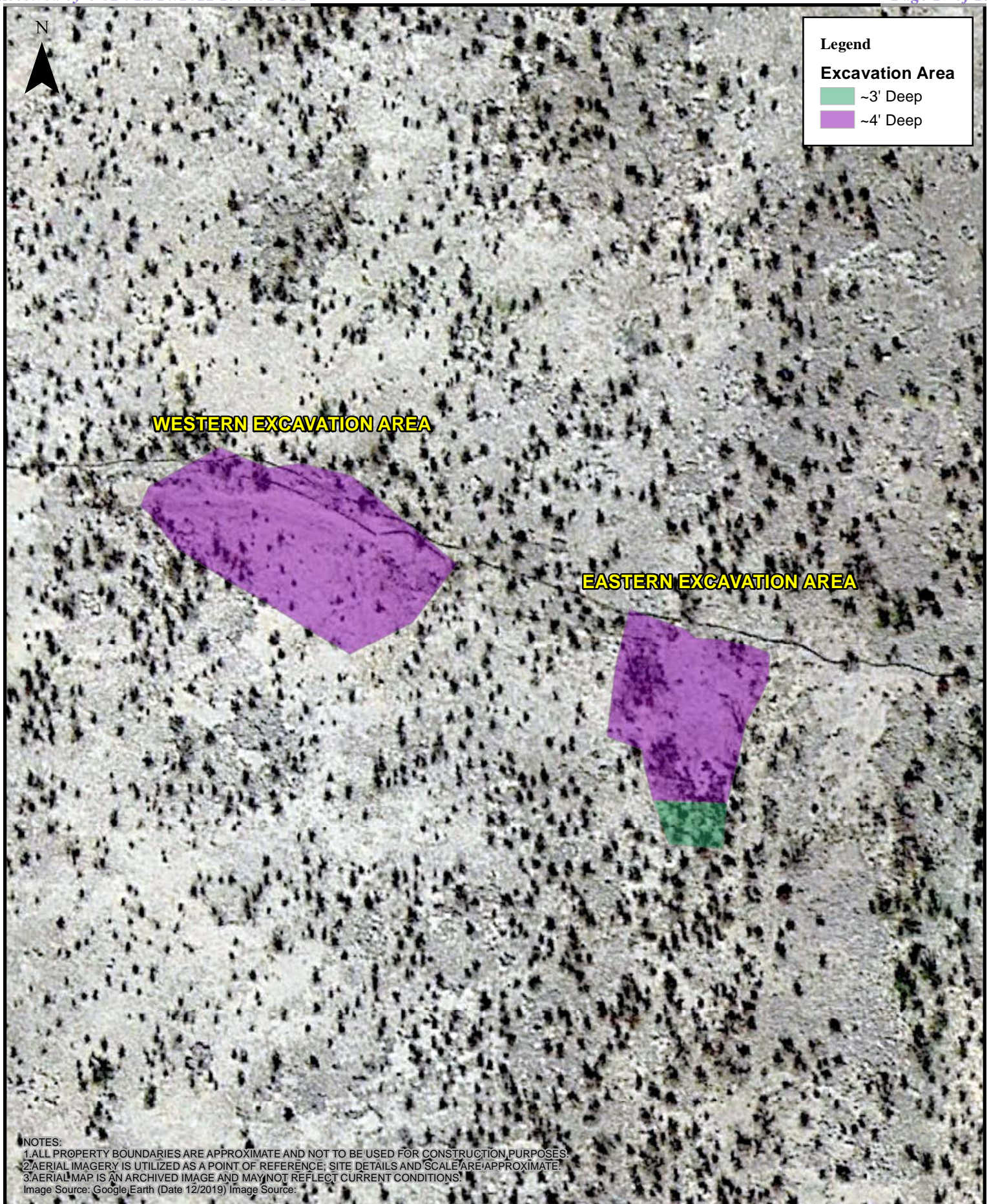
**Topographic Map**  
Mobil CI #9 Flowline  
EOG Resources, Inc.





 <p>0 125 250 500 750 1,000 Feet</p> <p>1:5,000</p>	<p><b>Area Map</b></p> <p>Mobil CI #9 Flowline</p> <p>EOG Resources, Inc.</p>
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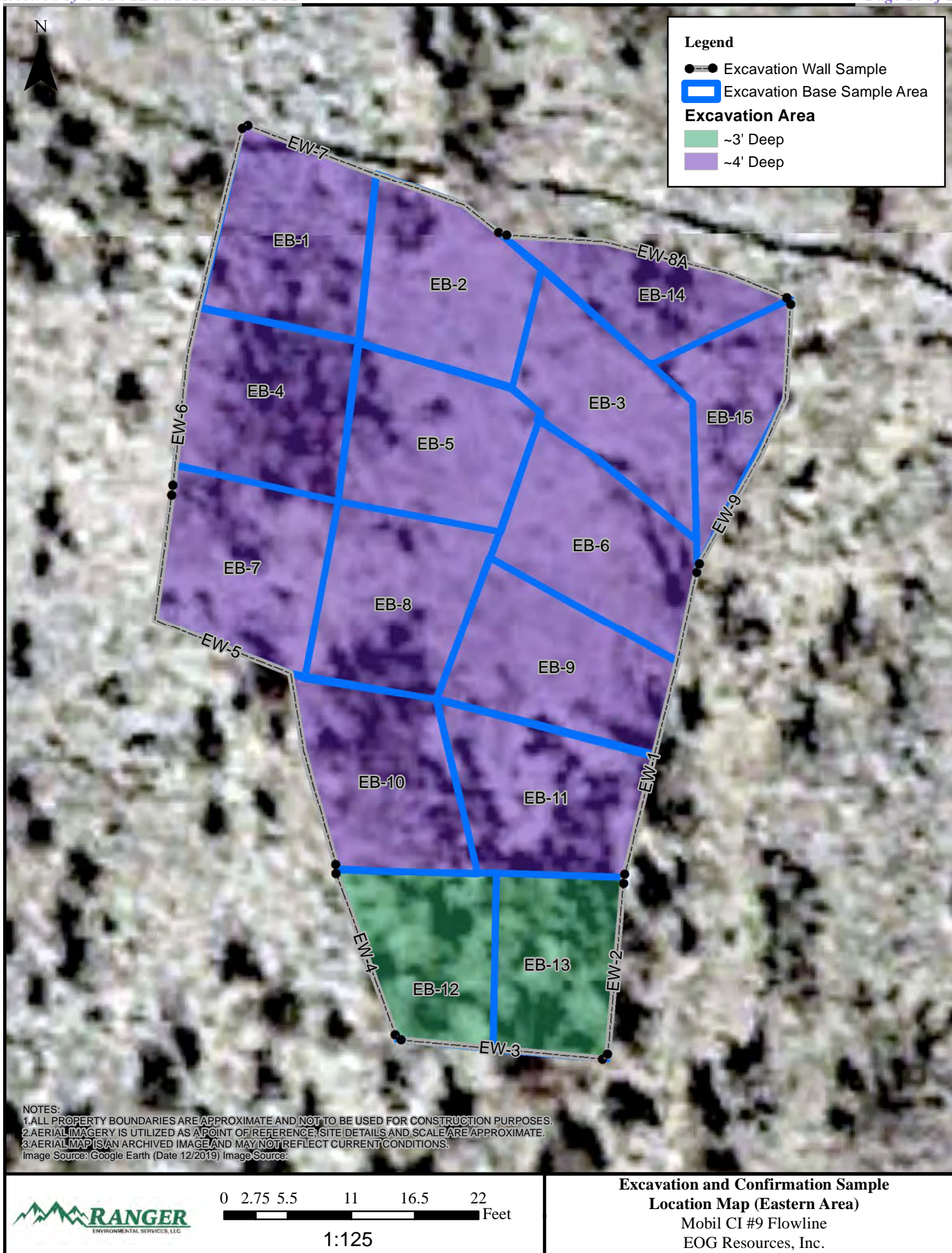


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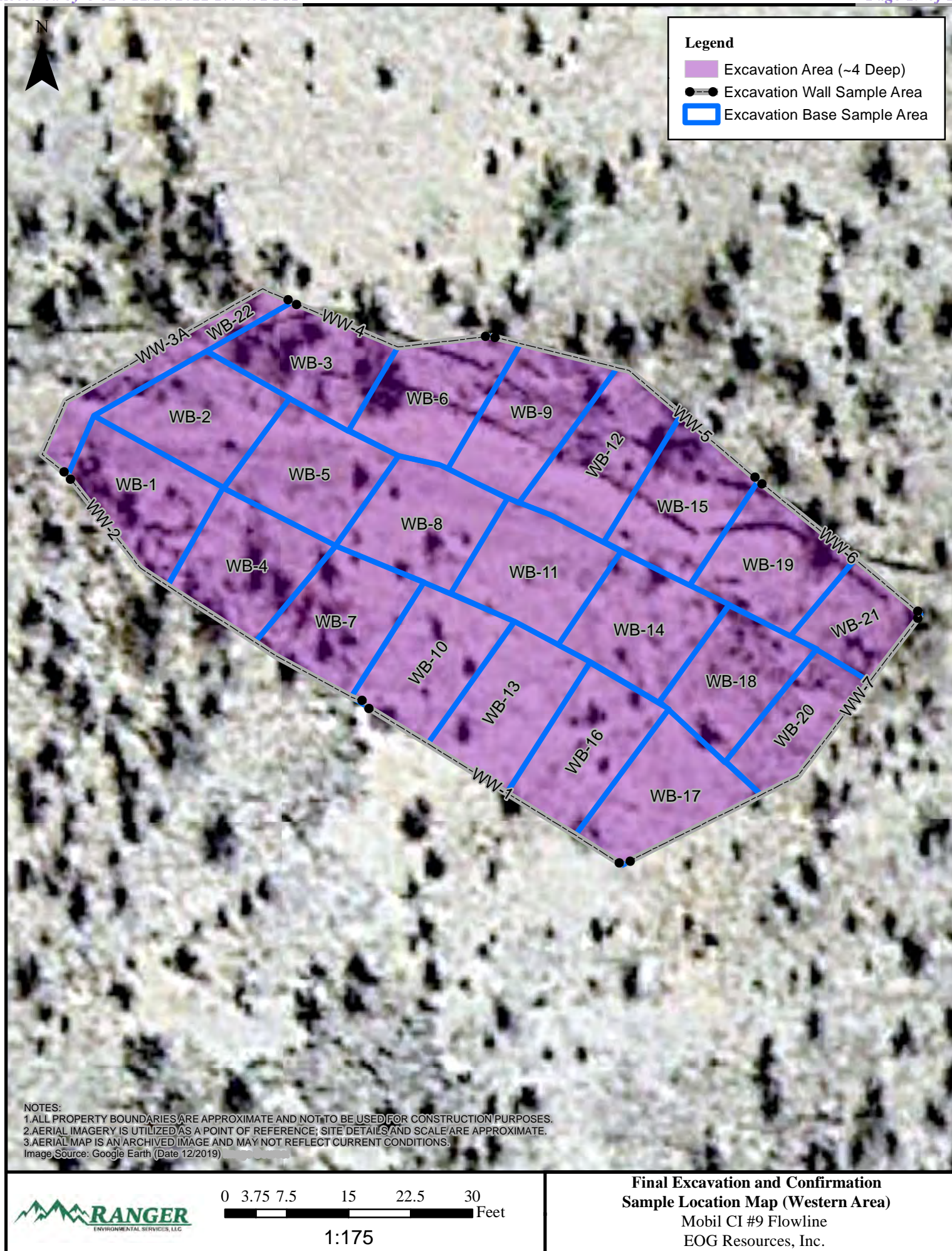
1:500

**Excavation Area Map**  
Mobil CI #9 Flowline  
EOG Resources, Inc.









## TABLES

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

CONFIRMATION SOIL SAMPLE BTEX (EPA 8021), TPH (SW 8015) & CHLORIDE (EPA 300) ANALYTICAL DATA EOG RESOURCES, INC. MOBIL CI #9 FLOWLINE													
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>Western Excavation Area Soil Samples</b>													
WW-1	10/20/2022	0'-4'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<15	<48	<15	<48	<61
WW-2	10/20/2022	0'-4'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<14	<47	<14	<47	120
WW-3	10/20/2022	0'-4'	<0.026	<0.049	<0.049	<0.098	<0.10	<4.9	53	130	53	<b>180</b>	<b>680</b>
WW-3	11/3/2022	0'-4'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	320	360	320	<b>680</b>	200
WW-3A	11/18/2022	0'-4'	<0.020	<0.040	<0.040	<0.080	<0.08	<4.0	<15	<49	<15	<49	<60
WW-4	10/20/2022	0'-4'	<0.024	<0.047	<0.047	<0.094	<0.09	<4.7	<14	<47	<14	<47	110
WW-5	10/20/2022	0'-4'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	130	250	130	<b>380</b>	420
WW-5	11/3/2022	0'-4'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<15	<50	<15	<50	<60
WW-6	10/20/2022	0'-4'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<14	<48	<14	<48	<60
WW-7	10/20/2022	0'-4'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<15	<49	<15	<49	<60
WB-1	10/20/2022	4'	<0.023	<0.046	<0.046	<0.093	<0.09	<4.6	800	730	800	1,530	180
WB-2	10/20/2022	4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	180	260	180	440	250
WB-3	10/20/2022	4'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<15	<49	<15	<49	<61
WB-4	10/20/2022	4'	<0.023	<0.047	<0.047	<0.093	<0.09	<4.7	100	120	100	220	75
WB-5	10/20/2022	4'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	170	190	170	360	590
WB-6	10/20/2022	4'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<14	<48	<14	<48	300
WB-7	10/20/2022	4'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<14	<46	<14	<46	<59
WB-8	10/20/2022	4'	<0.023	<0.046	<0.046	<0.093	<0.09	<4.6	19	<49	19	19	<60
WB-9	10/20/2022	4'	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	<14	<48	<14	<48	<59
WB-10	10/20/2022	4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<14	<47	<14	<47	<60
WB-11	10/20/2022	4'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	21	54	21	75	69
WB-12	10/20/2022	4'	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	23	<49	23	23	<60
WB-13	10/20/2022	4'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<15	<49	<15	<49	<60
WB-14	10/20/2022	4'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	28	<49	28	28	62
WB-15	10/20/2022	4'	<0.023	<0.047	<0.047	<0.094	<0.09	<4.7	<14	<48	<14	<48	120
WB-16	10/20/2022	4'	<0.023	<0.046	<0.046	<0.093	<0.09	<4.6	<14	<48	<14	<48	<61
WB-17	10/20/2022	4'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<14	<48	<14	<48	<60
WB-18	10/20/2022	4'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<14	<45	<14	<45	<60
WB-19	10/20/2022	4'	<0.023	<0.047	<0.047	<0.094	<0.09	<4.7	54	69	54	123	<60
WB-20	10/20/2022	4'	<0.023	<0.047	<0.047	<0.093	<0.09	<4.7	<15	<49	<15	<49	<60
WB-21	10/20/2022	4'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<15	<49	<15	<49	<61
WB-22	11/18/2022	4'	<0.020	<0.040	<0.040	<0.080	<0.08	<4.0	21	49	21	70	77
<b>Eastern Excavation Area Soil Samples</b>													
EW-1	10/20/2022	0'-4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<14	<45	<14	<45	310
EW-2	10/20/2022	0'-3'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<14	<46	<14	<46	<60
EW-3	10/20/2022	0'-3'	<0.023	<0.047	<0.047	<0.093	<0.09	<4.7	<15	<49	<15	<49	<60
EW-4	10/20/2022	0'-3'	<0.023	<0.046	<0.046	<0.092	<0.09	<4.6	<14	<46	<14	<46	<60
EW-5	10/20/2022	0'-4'	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	<14	<47	<14	<47	<60
EW-6	10/20/2022	0'-4'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<15	<49	<15	<49	<60
EW-7	10/20/2022	0'-4'	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	23	<50	23	23	<60
EW-8	10/20/2022	0'-4'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	54	97	54	<b>150</b>	<60
EW-8	11/3/2022	0'-4'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	37	92	37	<b>129</b>	<60
EW-8A	11/18/2022	0'-4'	<0.021	<0.041	<0.041	<0.082	<0.08	<4.1	<15	<49	<15	<49	120
EW-9	11/18/2022	0'-4'	<0.020	<0.040	<0.040	<0.080	<0.08	<4.0	42	120	42	<b>160</b>	170
EW-9	12/7/2022	0'-4'	<0.022	<0.045	<0.045	<0.090	<0.09	<4.5	21	62	21	83	82
EB-1	10/20/2022	4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	61	180	61	241	330
EB-2	10/20/2022	4'	<0.023	<0.047	<0.047	<0.093	<0.09	<4.7	91	230	91	321	430
EB-3	10/20/2022	4'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	68	180	68	248	160
EB-4	10/20/2022	4'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<14	<47	<14	<47	<60
EB-5	10/20/2022	4'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	43	150	43	193	160
EB-6	10/20/2022	4'	<0.023	<0.046	<0.046	<0.092	<0.09	<4.6	44	140	44	184	1,200
EB-7	10/20/2022	4'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<15	<50	<15	<50	<59
EB-8	10/20/2022	4'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	41	120	41	161	300
EB-9	10/20/2022	4'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<14	<46	<14	<46	140
EB-10	10/20/2022	4'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<14	<48	<14	<48	<60
EB-11	10/20/2022	4'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	34	100	34	134	<60
EB-12	10/20/2022	3'-4'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<14	<48	<14	<48	<60
EB-13	10/20/2022	3'-4'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<14	<45	<14	<45	<60
EB-14	11/18/2022	4'	<0.020	<0.039	<0.039	<0.078	<0.08	<3.9	79	210	79	289	100
EB-15	11/18/2022	4'	<0.023	<0.047	<0.047	<0.093	<0.09	<4.7	18	<46	18	18	61
<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>
<b>Notes:</b>													
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 – PHOTOGRAPHIC DOCUMENTATION





**PHOTOGRAPH NO. 1 – A view of the completed Western Excavation/Remediation Area. The view is towards the northwest.**

*(Approximate GPS Coordinates: 32.687751, -104.510215)*



**PHOTOGRAPH NO. 2 – A view of the Eastern Excavation/Remediation Area during the December 7, 2022 over-excavation and sampling activities. The view is towards the southeast.**

*(Approximate GPS Coordinates: 32.687794, -104.510160)*

## ATTACHMENT 2 – 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)

November 03, 2022

Will Kierdorf

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX:

RE: Mobil CI 9 Flowline

OrderNo.: 2210B58

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 49 sample(s) on 10/22/2022 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 2210B58

Date Reported: 11/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WW-1

Project: Mobil CI 9 Flowline

Collection Date: 10/20/2022 11:30:00 AM

Lab ID: 2210B58-001

Matrix: SOIL

Received Date: 10/22/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JTT</b>
Chloride	ND	61		mg/Kg	20	10/26/2022 3:13:54 PM	71072
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	10/26/2022 3:54:34 PM	71054
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/26/2022 3:54:34 PM	71054
Surr: DNOP	111	21-129		%Rec	1	10/26/2022 3:54:34 PM	71054
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/25/2022 3:03:00 PM	71014
Surr: BFB	104	37.7-212		%Rec	1	10/25/2022 3:03:00 PM	71014
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.024		mg/Kg	1	10/25/2022 3:03:00 PM	71014
Toluene	ND	0.049		mg/Kg	1	10/25/2022 3:03:00 PM	71014
Ethylbenzene	ND	0.049		mg/Kg	1	10/25/2022 3:03:00 PM	71014
Xylenes, Total	ND	0.097		mg/Kg	1	10/25/2022 3:03:00 PM	71014
Surr: 4-Bromofluorobenzene	114	70-130		%Rec	1	10/25/2022 3:03:00 PM	71014

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation 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 58

## Analytical Report

Lab Order 2210B58

Date Reported: 11/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WW-2

Project: Mobil CI 9 Flowline

Collection Date: 10/20/2022 11:34:00 AM

Lab ID: 2210B58-002

Matrix: SOIL

Received Date: 10/22/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	120	60		mg/Kg	20	10/26/2022 3:26:19 PM	71072
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: TOM
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/26/2022 4:18:47 PM	71054
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/26/2022 4:18:47 PM	71054
Surr: DNOP	103	21-129		%Rec	1	10/26/2022 4:18:47 PM	71054
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/25/2022 3:42:00 PM	71014
Surr: BFB	102	37.7-212		%Rec	1	10/25/2022 3:42:00 PM	71014
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	10/25/2022 3:42:00 PM	71014
Toluene	ND	0.049		mg/Kg	1	10/25/2022 3:42:00 PM	71014
Ethylbenzene	ND	0.049		mg/Kg	1	10/25/2022 3:42:00 PM	71014
Xylenes, Total	ND	0.097		mg/Kg	1	10/25/2022 3:42:00 PM	71014
Surr: 4-Bromofluorobenzene	112	70-130		%Rec	1	10/25/2022 3:42:00 PM	71014

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation 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 58

## Analytical Report

Lab Order 2210B58

Date Reported: 11/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WW-3

Project: Mobil CI 9 Flowline

Collection Date: 10/20/2022 11:36:00 AM

Lab ID: 2210B58-003

Matrix: SOIL

Received Date: 10/22/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	680	60		mg/Kg	20	10/26/2022 3:38:43 PM	71072
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: JME
Diesel Range Organics (DRO)	53	14		mg/Kg	1	10/28/2022 1:50:33 PM	71054
Motor Oil Range Organics (MRO)	130	48		mg/Kg	1	10/28/2022 1:50:33 PM	71054
Surr: DNOP	106	21-129		%Rec	1	10/28/2022 1:50:33 PM	71054
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/25/2022 4:02:00 PM	71014
Surr: BFB	98.1	37.7-212		%Rec	1	10/25/2022 4:02:00 PM	71014
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	10/25/2022 4:02:00 PM	71014
Toluene	ND	0.049		mg/Kg	1	10/25/2022 4:02:00 PM	71014
Ethylbenzene	ND	0.049		mg/Kg	1	10/25/2022 4:02:00 PM	71014
Xylenes, Total	ND	0.098		mg/Kg	1	10/25/2022 4:02:00 PM	71014
Surr: 4-Bromofluorobenzene	109	70-130		%Rec	1	10/25/2022 4:02:00 PM	71014

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation 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 58

## Analytical Report

Lab Order 2210B58

Date Reported: 11/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WW-4

Project: Mobil CI 9 Flowline

Collection Date: 10/20/2022 11:40:00 AM

Lab ID: 2210B58-004

Matrix: SOIL

Received Date: 10/22/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	110	60		mg/Kg	20	10/26/2022 3:51:08 PM	71072
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: TOM
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/26/2022 5:07:10 PM	71054
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/26/2022 5:07:10 PM	71054
Surr: DNOP	92.5	21-129		%Rec	1	10/26/2022 5:07:10 PM	71054
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/25/2022 4:22:00 PM	71014
Surr: BFB	98.6	37.7-212		%Rec	1	10/25/2022 4:22:00 PM	71014
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	10/25/2022 4:22:00 PM	71014
Toluene	ND	0.047		mg/Kg	1	10/25/2022 4:22:00 PM	71014
Ethylbenzene	ND	0.047		mg/Kg	1	10/25/2022 4:22:00 PM	71014
Xylenes, Total	ND	0.094		mg/Kg	1	10/25/2022 4:22:00 PM	71014
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	10/25/2022 4:22:00 PM	71014

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation 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 58

## Analytical Report

Lab Order 2210B58

Date Reported: 11/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WW-5

Project: Mobil CI 9 Flowline

Collection Date: 10/20/2022 11:44:00 AM

Lab ID: 2210B58-005

Matrix: SOIL

Received Date: 10/22/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	420	60		mg/Kg	20	10/26/2022 4:03:33 PM	71072
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: JME
Diesel Range Organics (DRO)	130	15		mg/Kg	1	10/28/2022 2:18:05 PM	71054
Motor Oil Range Organics (MRO)	250	49		mg/Kg	1	10/28/2022 2:18:05 PM	71054
Surr: DNOP	104	21-129		%Rec	1	10/28/2022 2:18:05 PM	71054
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/25/2022 4:41:00 PM	71014
Surr: BFB	100	37.7-212		%Rec	1	10/25/2022 4:41:00 PM	71014
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	10/25/2022 4:41:00 PM	71014
Toluene	ND	0.048		mg/Kg	1	10/25/2022 4:41:00 PM	71014
Ethylbenzene	ND	0.048		mg/Kg	1	10/25/2022 4:41:00 PM	71014
Xylenes, Total	ND	0.095		mg/Kg	1	10/25/2022 4:41:00 PM	71014
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	1	10/25/2022 4:41:00 PM	71014

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation 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 58

## Analytical Report

Lab Order 2210B58

Date Reported: 11/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WW-6

Project: Mobil CI 9 Flowline

Collection Date: 10/20/2022 11:46:00 AM

Lab ID: 2210B58-006

Matrix: SOIL

Received Date: 10/22/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	ND	60		mg/Kg	20	10/27/2022 5:55:14 AM	71096
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: TOM
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/26/2022 5:55:53 PM	71054
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/26/2022 5:55:53 PM	71054
Surr: DNOP	95.6	21-129		%Rec	1	10/26/2022 5:55:53 PM	71054
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/25/2022 5:01:00 PM	71014
Surr: BFB	103	37.7-212		%Rec	1	10/25/2022 5:01:00 PM	71014
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	10/25/2022 5:01:00 PM	71014
Toluene	ND	0.050		mg/Kg	1	10/25/2022 5:01:00 PM	71014
Ethylbenzene	ND	0.050		mg/Kg	1	10/25/2022 5:01:00 PM	71014
Xylenes, Total	ND	0.099		mg/Kg	1	10/25/2022 5:01:00 PM	71014
Surr: 4-Bromofluorobenzene	109	70-130		%Rec	1	10/25/2022 5:01:00 PM	71014

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation 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 58

## Analytical Report

Lab Order 2210B58

Date Reported: 11/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WW-7

Project: Mobil CI 9 Flowline

Collection Date: 10/20/2022 11:50:00 AM

Lab ID: 2210B58-007

Matrix: SOIL

Received Date: 10/22/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	ND	60		mg/Kg	20	10/26/2022 8:27:36 PM	71104
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	10/26/2022 6:20:15 PM	71054
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/26/2022 6:20:15 PM	71054
Surr: DNOP	112	21-129		%Rec	1	10/26/2022 6:20:15 PM	71054
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/25/2022 5:21:00 PM	71014
Surr: BFB	99.6	37.7-212		%Rec	1	10/25/2022 5:21:00 PM	71014
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.024		mg/Kg	1	10/25/2022 5:21:00 PM	71014
Toluene	ND	0.049		mg/Kg	1	10/25/2022 5:21:00 PM	71014
Ethylbenzene	ND	0.049		mg/Kg	1	10/25/2022 5:21:00 PM	71014
Xylenes, Total	ND	0.098		mg/Kg	1	10/25/2022 5:21:00 PM	71014
Surr: 4-Bromofluorobenzene	111	70-130		%Rec	1	10/25/2022 5:21:00 PM	71014

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation 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 58



## Analytical Report

Lab Order 2210B58

Date Reported: 11/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW-1

Project: Mobil CI 9 Flowline

Collection Date: 10/20/2022 1:00:00 PM

Lab ID: 2210B58-008

Matrix: SOIL

Received Date: 10/22/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	310	61		mg/Kg	20	10/26/2022 8:40:00 PM	71104
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/26/2022 6:44:35 PM	71054
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	10/26/2022 6:44:35 PM	71054
Surr: DNOP	68.7	21-129		%Rec	1	10/26/2022 6:44:35 PM	71054
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/25/2022 5:40:00 PM	71014
Surr: BFB	104	37.7-212		%Rec	1	10/25/2022 5:40:00 PM	71014
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	10/25/2022 5:40:00 PM	71014
Toluene	ND	0.050		mg/Kg	1	10/25/2022 5:40:00 PM	71014
Ethylbenzene	ND	0.050		mg/Kg	1	10/25/2022 5:40:00 PM	71014
Xylenes, Total	ND	0.10		mg/Kg	1	10/25/2022 5:40:00 PM	71014
Surr: 4-Bromofluorobenzene	113	70-130		%Rec	1	10/25/2022 5:40:00 PM	71014

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation 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 58

## Analytical Report

Lab Order 2210B58

Date Reported: 11/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW-2

Project: Mobil CI 9 Flowline

Collection Date: 10/20/2022 1:02:00 PM

Lab ID: 2210B58-009

Matrix: SOIL

Received Date: 10/22/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	ND	60		mg/Kg	20	10/26/2022 8:52:25 PM	71104
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/26/2022 7:08:53 PM	71054
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/26/2022 7:08:53 PM	71054
Surr: DNOP	82.6	21-129		%Rec	1	10/26/2022 7:08:53 PM	71054
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/25/2022 6:00:00 PM	71014
Surr: BFB	104	37.7-212		%Rec	1	10/25/2022 6:00:00 PM	71014
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.024		mg/Kg	1	10/25/2022 6:00:00 PM	71014
Toluene	ND	0.049		mg/Kg	1	10/25/2022 6:00:00 PM	71014
Ethylbenzene	ND	0.049		mg/Kg	1	10/25/2022 6:00:00 PM	71014
Xylenes, Total	ND	0.097		mg/Kg	1	10/25/2022 6:00:00 PM	71014
Surr: 4-Bromofluorobenzene	111	70-130		%Rec	1	10/25/2022 6:00:00 PM	71014

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation 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 58

## Analytical Report

Lab Order 2210B58

Date Reported: 11/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW-3

Project: Mobil CI 9 Flowline

Collection Date: 10/20/2022 1:04:00 PM

Lab ID: 2210B58-010

Matrix: SOIL

Received Date: 10/22/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	ND	60		mg/Kg	20	10/26/2022 9:04:50 PM	71104
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	10/26/2022 7:33:08 PM	71054
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/26/2022 7:33:08 PM	71054
Surr: DNOP	81.8	21-129		%Rec	1	10/26/2022 7:33:08 PM	71054
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/25/2022 6:20:00 PM	71014
Surr: BFB	100	37.7-212		%Rec	1	10/25/2022 6:20:00 PM	71014
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.023		mg/Kg	1	10/25/2022 6:20:00 PM	71014
Toluene	ND	0.047		mg/Kg	1	10/25/2022 6:20:00 PM	71014
Ethylbenzene	ND	0.047		mg/Kg	1	10/25/2022 6:20:00 PM	71014
Xylenes, Total	ND	0.093		mg/Kg	1	10/25/2022 6:20:00 PM	71014
Surr: 4-Bromofluorobenzene	110	70-130		%Rec	1	10/25/2022 6:20:00 PM	71014

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation 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 58

## Analytical Report

Lab Order 2210B58

Date Reported: 11/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW-4

Project: Mobil CI 9 Flowline

Collection Date: 10/20/2022 1:06:00 PM

Lab ID: 2210B58-011

Matrix: SOIL

Received Date: 10/22/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	ND	60		mg/Kg	20	10/26/2022 9:17:14 PM	71104
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/26/2022 7:57:27 PM	71054
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/26/2022 7:57:27 PM	71054
Surr: DNOP	96.4	21-129		%Rec	1	10/26/2022 7:57:27 PM	71054
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	10/25/2022 6:39:00 PM	71014
Surr: BFB	98.7	37.7-212		%Rec	1	10/25/2022 6:39:00 PM	71014
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.023		mg/Kg	1	10/25/2022 6:39:00 PM	71014
Toluene	ND	0.046		mg/Kg	1	10/25/2022 6:39:00 PM	71014
Ethylbenzene	ND	0.046		mg/Kg	1	10/25/2022 6:39:00 PM	71014
Xylenes, Total	ND	0.092		mg/Kg	1	10/25/2022 6:39:00 PM	71014
Surr: 4-Bromofluorobenzene	109	70-130		%Rec	1	10/25/2022 6:39:00 PM	71014

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation 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 58

## Analytical Report

Lab Order 2210B58

Date Reported: 11/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW-5

Project: Mobil CI 9 Flowline

Collection Date: 10/20/2022 1:08:00 PM

Lab ID: 2210B58-012

Matrix: SOIL

Received Date: 10/22/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	ND	60		mg/Kg	20	10/26/2022 9:29:38 PM	71104
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/26/2022 8:30:23 PM	71044
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/26/2022 8:30:23 PM	71044
Surr: DNOP	78.7	21-129		%Rec	1	10/26/2022 8:30:23 PM	71044
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/25/2022 11:34:00 PM	71018
Surr: BFB	101	37.7-212		%Rec	1	10/25/2022 11:34:00 PM	71018
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.024		mg/Kg	1	10/25/2022 11:34:00 PM	71018
Toluene	ND	0.048		mg/Kg	1	10/25/2022 11:34:00 PM	71018
Ethylbenzene	ND	0.048		mg/Kg	1	10/25/2022 11:34:00 PM	71018
Xylenes, Total	ND	0.095		mg/Kg	1	10/25/2022 11:34:00 PM	71018
Surr: 4-Bromofluorobenzene	111	70-130		%Rec	1	10/25/2022 11:34:00 PM	71018

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation 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 58

## Analytical Report

Lab Order 2210B58

Date Reported: 11/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW-6

Project: Mobil CI 9 Flowline

Collection Date: 10/20/2022 1:10:00 PM

Lab ID: 2210B58-013

Matrix: SOIL

Received Date: 10/22/2022 8:00:00 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	10/26/2022 10:06:51 PM	71104
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	10/26/2022 8:44:36 PM	71044
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/26/2022 8:44:36 PM	71044
Surr: DNOP	81.2	21-129		%Rec	1	10/26/2022 8:44:36 PM	71044
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/26/2022 12:33:00 AM	71018
Surr: BFB	101	37.7-212		%Rec	1	10/26/2022 12:33:00 AM	71018
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	10/26/2022 12:33:00 AM	71018
Toluene	ND	0.048		mg/Kg	1	10/26/2022 12:33:00 AM	71018
Ethylbenzene	ND	0.048		mg/Kg	1	10/26/2022 12:33:00 AM	71018
Xylenes, Total	ND	0.096		mg/Kg	1	10/26/2022 12:33:00 AM	71018
Surr: 4-Bromofluorobenzene	110	70-130		%Rec	1	10/26/2022 12:33:00 AM	71018

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation 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 58

## Analytical Report

Lab Order 2210B58

Date Reported: 11/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW-7

Project: Mobil CI 9 Flowline

Collection Date: 10/20/2022 1:12:00 PM

Lab ID: 2210B58-014

Matrix: SOIL

Received Date: 10/22/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	ND	60		mg/Kg	20	10/26/2022 10:19:15 PM	71104
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	23	15		mg/Kg	1	10/26/2022 11:58:25 PM	71044
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/26/2022 11:58:25 PM	71044
Surr: DNOP	53.2	21-129		%Rec	1	10/26/2022 11:58:25 PM	71044
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/26/2022 12:53:00 AM	71018
Surr: BFB	107	37.7-212		%Rec	1	10/26/2022 12:53:00 AM	71018
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.024		mg/Kg	1	10/26/2022 12:53:00 AM	71018
Toluene	ND	0.048		mg/Kg	1	10/26/2022 12:53:00 AM	71018
Ethylbenzene	ND	0.048		mg/Kg	1	10/26/2022 12:53:00 AM	71018
Xylenes, Total	ND	0.095		mg/Kg	1	10/26/2022 12:53:00 AM	71018
Surr: 4-Bromofluorobenzene	111	70-130		%Rec	1	10/26/2022 12:53:00 AM	71018

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation 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 58

## Analytical Report

Lab Order 2210B58

Date Reported: 11/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW-8

Project: Mobil CI 9 Flowline

Collection Date: 10/20/2022 1:14:00 PM

Lab ID: 2210B58-015

Matrix: SOIL

Received Date: 10/22/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	ND	60		mg/Kg	20	10/26/2022 10:31:39 PM	71104
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	54	15		mg/Kg	1	10/27/2022 12:22:23 AM	71044
Motor Oil Range Organics (MRO)	97	49		mg/Kg	1	10/27/2022 12:22:23 AM	71044
Surr: DNOP	40.9	21-129		%Rec	1	10/27/2022 12:22:23 AM	71044
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/26/2022 1:13:00 AM	71018
Surr: BFB	102	37.7-212		%Rec	1	10/26/2022 1:13:00 AM	71018
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.024		mg/Kg	1	10/26/2022 1:13:00 AM	71018
Toluene	ND	0.048		mg/Kg	1	10/26/2022 1:13:00 AM	71018
Ethylbenzene	ND	0.048		mg/Kg	1	10/26/2022 1:13:00 AM	71018
Xylenes, Total	ND	0.096		mg/Kg	1	10/26/2022 1:13:00 AM	71018
Surr: 4-Bromofluorobenzene	112	70-130		%Rec	1	10/26/2022 1:13:00 AM	71018

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation 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 58



## Analytical Report

Lab Order 2210B58

Date Reported: 11/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WB-1

Project: Mobil CI 9 Flowline

Collection Date: 10/20/2022 10:30:00 AM

Lab ID: 2210B58-016

Matrix: SOIL

Received Date: 10/22/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	180	60		mg/Kg	20	10/26/2022 10:44:04 PM	71104
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	800	140		mg/Kg	10	10/26/2022 2:35:24 AM	71044
Motor Oil Range Organics (MRO)	730	470		mg/Kg	10	10/26/2022 2:35:24 AM	71044
Surr: DNOP	0	21-129	S	%Rec	10	10/26/2022 2:35:24 AM	71044
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	10/26/2022 1:32:00 AM	71018
Surr: BFB	98.2	37.7-212		%Rec	1	10/26/2022 1:32:00 AM	71018
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.023		mg/Kg	1	10/26/2022 1:32:00 AM	71018
Toluene	ND	0.046		mg/Kg	1	10/26/2022 1:32:00 AM	71018
Ethylbenzene	ND	0.046		mg/Kg	1	10/26/2022 1:32:00 AM	71018
Xylenes, Total	ND	0.093		mg/Kg	1	10/26/2022 1:32:00 AM	71018
Surr: 4-Bromofluorobenzene	108	70-130		%Rec	1	10/26/2022 1:32:00 AM	71018

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation 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 58

## Analytical Report

Lab Order 2210B58

Date Reported: 11/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WB-2

Project: Mobil CI 9 Flowline

Collection Date: 10/20/2022 10:32:00 AM

Lab ID: 2210B58-017

Matrix: SOIL

Received Date: 10/22/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	250	60		mg/Kg	20	10/26/2022 10:56:28 PM	71104
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	180	14		mg/Kg	1	10/27/2022 12:46:22 AM	71044
Motor Oil Range Organics (MRO)	260	48		mg/Kg	1	10/27/2022 12:46:22 AM	71044
Surr: DNOP	105	21-129		%Rec	1	10/27/2022 12:46:22 AM	71044
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/26/2022 1:52:00 AM	71018
Surr: BFB	103	37.7-212		%Rec	1	10/26/2022 1:52:00 AM	71018
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	10/26/2022 1:52:00 AM	71018
Toluene	ND	0.050		mg/Kg	1	10/26/2022 1:52:00 AM	71018
Ethylbenzene	ND	0.050		mg/Kg	1	10/26/2022 1:52:00 AM	71018
Xylenes, Total	ND	0.10		mg/Kg	1	10/26/2022 1:52:00 AM	71018
Surr: 4-Bromofluorobenzene	110	70-130		%Rec	1	10/26/2022 1:52:00 AM	71018

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation 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 58

## Analytical Report

Lab Order 2210B58

Date Reported: 11/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WB-3

Project: Mobil CI 9 Flowline

Collection Date: 10/20/2022 10:34:00 AM

Lab ID: 2210B58-018

Matrix: SOIL

Received Date: 10/22/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	ND	61		mg/Kg	20	10/26/2022 11:08:52 PM	71104
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	10/26/2022 8:58:49 PM	71044
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/26/2022 8:58:49 PM	71044
Surr: DNOP	90.5	21-129		%Rec	1	10/26/2022 8:58:49 PM	71044
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/26/2022 2:12:00 AM	71018
Surr: BFB	102	37.7-212		%Rec	1	10/26/2022 2:12:00 AM	71018
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	10/26/2022 2:12:00 AM	71018
Toluene	ND	0.049		mg/Kg	1	10/26/2022 2:12:00 AM	71018
Ethylbenzene	ND	0.049		mg/Kg	1	10/26/2022 2:12:00 AM	71018
Xylenes, Total	ND	0.099		mg/Kg	1	10/26/2022 2:12:00 AM	71018
Surr: 4-Bromofluorobenzene	111	70-130		%Rec	1	10/26/2022 2:12:00 AM	71018

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation 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 58

## Analytical Report

Lab Order 2210B58

Date Reported: 11/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WB-4

Project: Mobil CI 9 Flowline

Collection Date: 10/20/2022 10:36:00 AM

Lab ID: 2210B58-019

Matrix: SOIL

Received Date: 10/22/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	75	60		mg/Kg	20	10/26/2022 11:21:16 PM	71104
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	100	15		mg/Kg	1	10/27/2022 1:10:19 AM	71044
Motor Oil Range Organics (MRO)	120	49		mg/Kg	1	10/27/2022 1:10:19 AM	71044
Surr: DNOP	88.8	21-129		%Rec	1	10/27/2022 1:10:19 AM	71044
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/26/2022 2:31:00 AM	71018
Surr: BFB	101	37.7-212		%Rec	1	10/26/2022 2:31:00 AM	71018
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.023		mg/Kg	1	10/26/2022 2:31:00 AM	71018
Toluene	ND	0.047		mg/Kg	1	10/26/2022 2:31:00 AM	71018
Ethylbenzene	ND	0.047		mg/Kg	1	10/26/2022 2:31:00 AM	71018
Xylenes, Total	ND	0.093		mg/Kg	1	10/26/2022 2:31:00 AM	71018
Surr: 4-Bromofluorobenzene	113	70-130		%Rec	1	10/26/2022 2:31:00 AM	71018

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation 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 58

## Analytical Report

Lab Order 2210B58

Date Reported: 11/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WB-5

Project: Mobil CI 9 Flowline

Collection Date: 10/20/2022 10:38:00 AM

Lab ID: 2210B58-020

Matrix: SOIL

Received Date: 10/22/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	590	60		mg/Kg	20	10/26/2022 11:33:40 PM	71104
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	170	15		mg/Kg	1	10/27/2022 1:34:13 AM	71044
Motor Oil Range Organics (MRO)	190	49		mg/Kg	1	10/27/2022 1:34:13 AM	71044
Surr: DNOP	119	21-129		%Rec	1	10/27/2022 1:34:13 AM	71044
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/26/2022 2:51:00 AM	71018
Surr: BFB	104	37.7-212		%Rec	1	10/26/2022 2:51:00 AM	71018
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	10/26/2022 2:51:00 AM	71018
Toluene	ND	0.049		mg/Kg	1	10/26/2022 2:51:00 AM	71018
Ethylbenzene	ND	0.049		mg/Kg	1	10/26/2022 2:51:00 AM	71018
Xylenes, Total	ND	0.098		mg/Kg	1	10/26/2022 2:51:00 AM	71018
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	10/26/2022 2:51:00 AM	71018

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation 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 58

## Analytical Report

Lab Order 2210B58

Date Reported: 11/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WB-6

Project: Mobil CI 9 Flowline

Collection Date: 10/20/2022 10:40:00 AM

Lab ID: 2210B58-021

Matrix: SOIL

Received Date: 10/22/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	300	60		mg/Kg	20	10/26/2022 11:46:05 PM	71104
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/26/2022 8:21:39 PM	71054
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/26/2022 8:21:39 PM	71054
Surr: DNOP	113	21-129		%Rec	1	10/26/2022 8:21:39 PM	71054
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/26/2022 3:11:00 AM	71018
Surr: BFB	107	37.7-212		%Rec	1	10/26/2022 3:11:00 AM	71018
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	10/26/2022 3:11:00 AM	71018
Toluene	ND	0.050		mg/Kg	1	10/26/2022 3:11:00 AM	71018
Ethylbenzene	ND	0.050		mg/Kg	1	10/26/2022 3:11:00 AM	71018
Xylenes, Total	ND	0.099		mg/Kg	1	10/26/2022 3:11:00 AM	71018
Surr: 4-Bromofluorobenzene	111	70-130		%Rec	1	10/26/2022 3:11:00 AM	71018

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation 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 58

## Analytical Report

Lab Order 2210B58

Date Reported: 11/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WB-7

Project: Mobil CI 9 Flowline

Collection Date: 10/20/2022 10:42:00 AM

Lab ID: 2210B58-022

Matrix: SOIL

Received Date: 10/22/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	ND	59		mg/Kg	20	10/26/2022 11:58:30 PM	71104
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/26/2022 9:13:01 PM	71044
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/26/2022 9:13:01 PM	71044
Surr: DNOP	75.8	21-129		%Rec	1	10/26/2022 9:13:01 PM	71044
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/26/2022 3:50:00 AM	71018
Surr: BFB	104	37.7-212		%Rec	1	10/26/2022 3:50:00 AM	71018
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	10/26/2022 3:50:00 AM	71018
Toluene	ND	0.048		mg/Kg	1	10/26/2022 3:50:00 AM	71018
Ethylbenzene	ND	0.048		mg/Kg	1	10/26/2022 3:50:00 AM	71018
Xylenes, Total	ND	0.097		mg/Kg	1	10/26/2022 3:50:00 AM	71018
Surr: 4-Bromofluorobenzene	114	70-130		%Rec	1	10/26/2022 3:50:00 AM	71018

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation 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 58

## Analytical Report

Lab Order 2210B58

Date Reported: 11/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WB-8

Project: Mobil CI 9 Flowline

Collection Date: 10/20/2022 10:46:00 AM

Lab ID: 2210B58-023

Matrix: SOIL

Received Date: 10/22/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	ND	60		mg/Kg	20	10/27/2022 10:17:39 AM	71114
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: TOM
Diesel Range Organics (DRO)	19	15		mg/Kg	1	10/26/2022 8:45:53 PM	71054
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/26/2022 8:45:53 PM	71054
Surr: DNOP	100	21-129		%Rec	1	10/26/2022 8:45:53 PM	71054
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	10/26/2022 4:10:00 AM	71018
Surr: BFB	102	37.7-212		%Rec	1	10/26/2022 4:10:00 AM	71018
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: CCM
Benzene	ND	0.023		mg/Kg	1	10/26/2022 4:10:00 AM	71018
Toluene	ND	0.046		mg/Kg	1	10/26/2022 4:10:00 AM	71018
Ethylbenzene	ND	0.046		mg/Kg	1	10/26/2022 4:10:00 AM	71018
Xylenes, Total	ND	0.093		mg/Kg	1	10/26/2022 4:10:00 AM	71018
Surr: 4-Bromofluorobenzene	113	70-130		%Rec	1	10/26/2022 4:10:00 AM	71018

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation 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 58



## Analytical Report

Lab Order 2210B58

Date Reported: 11/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WB-9

Project: Mobil CI 9 Flowline

Collection Date: 10/20/2022 10:48:00 AM

Lab ID: 2210B58-024

Matrix: SOIL

Received Date: 10/22/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	ND	59		mg/Kg	20	10/27/2022 10:30:00 AM	71114
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/28/2022 10:04:56 PM	71059
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/28/2022 10:04:56 PM	71059
Surr: DNOP	107	21-129		%Rec	1	10/28/2022 10:04:56 PM	71059
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/26/2022 10:15:00 AM	71029
Surr: BFB	104	37.7-212		%Rec	1	10/26/2022 10:15:00 AM	71029
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	10/26/2022 10:15:00 AM	71029
Toluene	ND	0.048		mg/Kg	1	10/26/2022 10:15:00 AM	71029
Ethylbenzene	ND	0.048		mg/Kg	1	10/26/2022 10:15:00 AM	71029
Xylenes, Total	ND	0.095		mg/Kg	1	10/26/2022 10:15:00 AM	71029
Surr: 4-Bromofluorobenzene	113	70-130		%Rec	1	10/26/2022 10:15:00 AM	71029

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation 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 58

## Analytical Report

Lab Order 2210B58

Date Reported: 11/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WB-10

Project: Mobil CI 9 Flowline

Collection Date: 10/20/2022 10:50:00 AM

Lab ID: 2210B58-025

Matrix: SOIL

Received Date: 10/22/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	ND	60		mg/Kg	20	10/27/2022 11:07:03 AM	71114
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/28/2022 10:25:57 PM	71059
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/28/2022 10:25:57 PM	71059
Surr: DNOP	101	21-129		%Rec	1	10/28/2022 10:25:57 PM	71059
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/26/2022 11:14:00 AM	71029
Surr: BFB	105	37.7-212		%Rec	1	10/26/2022 11:14:00 AM	71029
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	10/26/2022 11:14:00 AM	71029
Toluene	ND	0.050		mg/Kg	1	10/26/2022 11:14:00 AM	71029
Ethylbenzene	ND	0.050		mg/Kg	1	10/26/2022 11:14:00 AM	71029
Xylenes, Total	ND	0.10		mg/Kg	1	10/26/2022 11:14:00 AM	71029
Surr: 4-Bromofluorobenzene	114	70-130		%Rec	1	10/26/2022 11:14:00 AM	71029

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation 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 58

## Analytical Report

Lab Order 2210B58

Date Reported: 11/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WB-11

Project: Mobil CI 9 Flowline

Collection Date: 10/20/2022 10:52:00 AM

Lab ID: 2210B58-026

Matrix: SOIL

Received Date: 10/22/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	69	60		mg/Kg	20	10/27/2022 11:44:05 AM	71114
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	21	14		mg/Kg	1	10/28/2022 10:57:35 PM	71059
Motor Oil Range Organics (MRO)	54	48		mg/Kg	1	10/28/2022 10:57:35 PM	71059
Surr: DNOP	94.5	21-129		%Rec	1	10/28/2022 10:57:35 PM	71059
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/26/2022 12:13:00 PM	71029
Surr: BFB	102	37.7-212		%Rec	1	10/26/2022 12:13:00 PM	71029
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	10/26/2022 12:13:00 PM	71029
Toluene	ND	0.048		mg/Kg	1	10/26/2022 12:13:00 PM	71029
Ethylbenzene	ND	0.048		mg/Kg	1	10/26/2022 12:13:00 PM	71029
Xylenes, Total	ND	0.097		mg/Kg	1	10/26/2022 12:13:00 PM	71029
Surr: 4-Bromofluorobenzene	112	70-130		%Rec	1	10/26/2022 12:13:00 PM	71029

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation 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 58

## Analytical Report

Lab Order 2210B58

Date Reported: 11/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WB-12

Project: Mobil CI 9 Flowline

Collection Date: 10/20/2022 10:54:00 AM

Lab ID: 2210B58-027

Matrix: SOIL

Received Date: 10/22/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	ND	60		mg/Kg	20	10/27/2022 12:21:07 PM	71114
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	23	15		mg/Kg	1	10/28/2022 11:18:41 PM	71059
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/28/2022 11:18:41 PM	71059
Surr: DNOP	94.2	21-129		%Rec	1	10/28/2022 11:18:41 PM	71059
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/26/2022 12:33:00 PM	71029
Surr: BFB	104	37.7-212		%Rec	1	10/26/2022 12:33:00 PM	71029
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	10/26/2022 12:33:00 PM	71029
Toluene	ND	0.048		mg/Kg	1	10/26/2022 12:33:00 PM	71029
Ethylbenzene	ND	0.048		mg/Kg	1	10/26/2022 12:33:00 PM	71029
Xylenes, Total	ND	0.095		mg/Kg	1	10/26/2022 12:33:00 PM	71029
Surr: 4-Bromofluorobenzene	114	70-130		%Rec	1	10/26/2022 12:33:00 PM	71029

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation 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 58

## Analytical Report

Lab Order 2210B58

Date Reported: 11/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WB-13

Project: Mobil CI 9 Flowline

Collection Date: 10/20/2022 10:56:00 AM

Lab ID: 2210B58-028

Matrix: SOIL

Received Date: 10/22/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	ND	60		mg/Kg	20	10/27/2022 12:33:28 PM	71114
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	10/28/2022 11:39:46 PM	71059
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/28/2022 11:39:46 PM	71059
Surr: DNOP	93.6	21-129		%Rec	1	10/28/2022 11:39:46 PM	71059
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/26/2022 12:52:00 PM	71029
Surr: BFB	104	37.7-212		%Rec	1	10/26/2022 12:52:00 PM	71029
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	10/26/2022 12:52:00 PM	71029
Toluene	ND	0.048		mg/Kg	1	10/26/2022 12:52:00 PM	71029
Ethylbenzene	ND	0.048		mg/Kg	1	10/26/2022 12:52:00 PM	71029
Xylenes, Total	ND	0.096		mg/Kg	1	10/26/2022 12:52:00 PM	71029
Surr: 4-Bromofluorobenzene	112	70-130		%Rec	1	10/26/2022 12:52:00 PM	71029

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation 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 28 of 58

## Analytical Report

Lab Order 2210B58

Date Reported: 11/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WB-14

Project: Mobil CI 9 Flowline

Collection Date: 10/20/2022 10:58:00 AM

Lab ID: 2210B58-029

Matrix: SOIL

Received Date: 10/22/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	62	60		mg/Kg	20	10/27/2022 12:45:50 PM	71114
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	28	15		mg/Kg	1	10/28/2022 11:50:21 PM	71059
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/28/2022 11:50:21 PM	71059
Surr: DNOP	109	21-129		%Rec	1	10/28/2022 11:50:21 PM	71059
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/26/2022 1:12:00 PM	71029
Surr: BFB	101	37.7-212		%Rec	1	10/26/2022 1:12:00 PM	71029
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	10/26/2022 1:12:00 PM	71029
Toluene	ND	0.049		mg/Kg	1	10/26/2022 1:12:00 PM	71029
Ethylbenzene	ND	0.049		mg/Kg	1	10/26/2022 1:12:00 PM	71029
Xylenes, Total	ND	0.098		mg/Kg	1	10/26/2022 1:12:00 PM	71029
Surr: 4-Bromofluorobenzene	114	70-130		%Rec	1	10/26/2022 1:12:00 PM	71029

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation 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 29 of 58

## Analytical Report

Lab Order 2210B58

Date Reported: 11/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WB-15

Project: Mobil CI 9 Flowline

Collection Date: 10/20/2022 11:00:00 AM

Lab ID: 2210B58-030

Matrix: SOIL

Received Date: 10/22/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	120	60		mg/Kg	20	10/27/2022 12:58:12 PM	71114
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/29/2022 12:11:29 AM	71059
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/29/2022 12:11:29 AM	71059
Surr: DNOP	105	21-129		%Rec	1	10/29/2022 12:11:29 AM	71059
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/26/2022 1:32:00 PM	71029
Surr: BFB	116	37.7-212		%Rec	1	10/26/2022 1:32:00 PM	71029
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: CCM
Benzene	ND	0.023		mg/Kg	1	10/26/2022 1:32:00 PM	71029
Toluene	ND	0.047		mg/Kg	1	10/26/2022 1:32:00 PM	71029
Ethylbenzene	ND	0.047		mg/Kg	1	10/26/2022 1:32:00 PM	71029
Xylenes, Total	ND	0.094		mg/Kg	1	10/26/2022 1:32:00 PM	71029
Surr: 4-Bromofluorobenzene	121	70-130		%Rec	1	10/26/2022 1:32:00 PM	71029

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation 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 30 of 58



## Analytical Report

Lab Order 2210B58

Date Reported: 11/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WB-16

Project: Mobil CI 9 Flowline

Collection Date: 10/20/2022 11:02:00 AM

Lab ID: 2210B58-031

Matrix: SOIL

Received Date: 10/22/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	ND	61		mg/Kg	20	10/27/2022 1:10:33 PM	71114
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/29/2022 12:32:35 AM	71059
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/29/2022 12:32:35 AM	71059
Surr: DNOP	112	21-129		%Rec	1	10/29/2022 12:32:35 AM	71059
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	10/26/2022 1:51:00 PM	71029
Surr: BFB	98.6	37.7-212		%Rec	1	10/26/2022 1:51:00 PM	71029
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: CCM
Benzene	ND	0.023		mg/Kg	1	10/26/2022 1:51:00 PM	71029
Toluene	ND	0.046		mg/Kg	1	10/26/2022 1:51:00 PM	71029
Ethylbenzene	ND	0.046		mg/Kg	1	10/26/2022 1:51:00 PM	71029
Xylenes, Total	ND	0.093		mg/Kg	1	10/26/2022 1:51:00 PM	71029
Surr: 4-Bromofluorobenzene	112	70-130		%Rec	1	10/26/2022 1:51:00 PM	71029

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation 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 31 of 58

## Analytical Report

Lab Order 2210B58

Date Reported: 11/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WB-17

Project: Mobil CI 9 Flowline

Collection Date: 10/20/2022 11:04:00 AM

Lab ID: 2210B58-032

Matrix: SOIL

Received Date: 10/22/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	ND	60		mg/Kg	20	10/27/2022 1:22:53 PM	71114
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/29/2022 12:43:12 AM	71059
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/29/2022 12:43:12 AM	71059
Surr: DNOP	106	21-129		%Rec	1	10/29/2022 12:43:12 AM	71059
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/26/2022 2:11:00 PM	71029
Surr: BFB	102	37.7-212		%Rec	1	10/26/2022 2:11:00 PM	71029
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	10/26/2022 2:11:00 PM	71029
Toluene	ND	0.049		mg/Kg	1	10/26/2022 2:11:00 PM	71029
Ethylbenzene	ND	0.049		mg/Kg	1	10/26/2022 2:11:00 PM	71029
Xylenes, Total	ND	0.097		mg/Kg	1	10/26/2022 2:11:00 PM	71029
Surr: 4-Bromofluorobenzene	113	70-130		%Rec	1	10/26/2022 2:11:00 PM	71029

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation 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 32 of 58

## Analytical Report

Lab Order 2210B58

Date Reported: 11/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WB-18

Project: Mobil CI 9 Flowline

Collection Date: 10/20/2022 11:06:00 AM

Lab ID: 2210B58-033

Matrix: SOIL

Received Date: 10/22/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	ND	60		mg/Kg	20	10/27/2022 1:35:14 PM	71114
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/29/2022 12:53:52 AM	71059
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	10/29/2022 12:53:52 AM	71059
Surr: DNOP	102	21-129		%Rec	1	10/29/2022 12:53:52 AM	71059
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/26/2022 2:31:00 PM	71029
Surr: BFB	102	37.7-212		%Rec	1	10/26/2022 2:31:00 PM	71029
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	10/26/2022 2:31:00 PM	71029
Toluene	ND	0.049		mg/Kg	1	10/26/2022 2:31:00 PM	71029
Ethylbenzene	ND	0.049		mg/Kg	1	10/26/2022 2:31:00 PM	71029
Xylenes, Total	ND	0.098		mg/Kg	1	10/26/2022 2:31:00 PM	71029
Surr: 4-Bromofluorobenzene	113	70-130		%Rec	1	10/26/2022 2:31:00 PM	71029

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation 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 33 of 58

## Analytical Report

Lab Order 2210B58

Date Reported: 11/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WB-19

Project: Mobil CI 9 Flowline

Collection Date: 10/20/2022 11:08:00 AM

Lab ID: 2210B58-034

Matrix: SOIL

Received Date: 10/22/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	ND	60		mg/Kg	20	10/27/2022 1:47:35 PM	71114
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	54	15		mg/Kg	1	10/29/2022 1:04:31 AM	71059
Motor Oil Range Organics (MRO)	69	50		mg/Kg	1	10/29/2022 1:04:31 AM	71059
Surr: DNOP	99.1	21-129		%Rec	1	10/29/2022 1:04:31 AM	71059
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/26/2022 3:10:00 PM	71029
Surr: BFB	101	37.7-212		%Rec	1	10/26/2022 3:10:00 PM	71029
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: CCM
Benzene	ND	0.023		mg/Kg	1	10/26/2022 3:10:00 PM	71029
Toluene	ND	0.047		mg/Kg	1	10/26/2022 3:10:00 PM	71029
Ethylbenzene	ND	0.047		mg/Kg	1	10/26/2022 3:10:00 PM	71029
Xylenes, Total	ND	0.094		mg/Kg	1	10/26/2022 3:10:00 PM	71029
Surr: 4-Bromofluorobenzene	113	70-130		%Rec	1	10/26/2022 3:10:00 PM	71029

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation 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 34 of 58

## Analytical Report

Lab Order 2210B58

Date Reported: 11/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WB-20

Project: Mobil CI 9 Flowline

Collection Date: 10/20/2022 11:10:00 AM

Lab ID: 2210B58-035

Matrix: SOIL

Received Date: 10/22/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	ND	60		mg/Kg	20	10/27/2022 1:59:56 PM	71114
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	10/29/2022 1:36:20 AM	71059
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/29/2022 1:36:20 AM	71059
Surr: DNOP	110	21-129		%Rec	1	10/29/2022 1:36:20 AM	71059
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/26/2022 3:30:00 PM	71029
Surr: BFB	104	37.7-212		%Rec	1	10/26/2022 3:30:00 PM	71029
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: CCM
Benzene	ND	0.023		mg/Kg	1	10/26/2022 3:30:00 PM	71029
Toluene	ND	0.047		mg/Kg	1	10/26/2022 3:30:00 PM	71029
Ethylbenzene	ND	0.047		mg/Kg	1	10/26/2022 3:30:00 PM	71029
Xylenes, Total	ND	0.093		mg/Kg	1	10/26/2022 3:30:00 PM	71029
Surr: 4-Bromofluorobenzene	112	70-130		%Rec	1	10/26/2022 3:30:00 PM	71029

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation 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 35 of 58

## Analytical Report

Lab Order 2210B58

Date Reported: 11/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WB-21

Project: Mobil CI 9 Flowline

Collection Date: 10/20/2022 11:12:00 AM

Lab ID: 2210B58-036

Matrix: SOIL

Received Date: 10/22/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	ND	61		mg/Kg	20	10/27/2022 2:12:17 PM	71114
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	10/29/2022 1:47:10 AM	71059
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/29/2022 1:47:10 AM	71059
Surr: DNOP	114	21-129		%Rec	1	10/29/2022 1:47:10 AM	71059
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/26/2022 3:50:00 PM	71029
Surr: BFB	100	37.7-212		%Rec	1	10/26/2022 3:50:00 PM	71029
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	10/26/2022 3:50:00 PM	71029
Toluene	ND	0.048		mg/Kg	1	10/26/2022 3:50:00 PM	71029
Ethylbenzene	ND	0.048		mg/Kg	1	10/26/2022 3:50:00 PM	71029
Xylenes, Total	ND	0.096		mg/Kg	1	10/26/2022 3:50:00 PM	71029
Surr: 4-Bromofluorobenzene	108	70-130		%Rec	1	10/26/2022 3:50:00 PM	71029

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation 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 36 of 58

## Analytical Report

Lab Order 2210B58

Date Reported: 11/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EB-1

Project: Mobil CI 9 Flowline

Collection Date: 10/20/2022 1:00:00 PM

Lab ID: 2210B58-037

Matrix: SOIL

Received Date: 10/22/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	330	59		mg/Kg	20	10/27/2022 2:49:20 PM	71114
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	61	14		mg/Kg	1	10/31/2022 11:53:08 AM	71059
Motor Oil Range Organics (MRO)	180	48		mg/Kg	1	10/31/2022 11:53:08 AM	71059
Surr: DNOP	126	21-129		%Rec	1	10/31/2022 11:53:08 AM	71059
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/26/2022 4:09:00 PM	71029
Surr: BFB	95.7	37.7-212		%Rec	1	10/26/2022 4:09:00 PM	71029
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	10/26/2022 4:09:00 PM	71029
Toluene	ND	0.050		mg/Kg	1	10/26/2022 4:09:00 PM	71029
Ethylbenzene	ND	0.050		mg/Kg	1	10/26/2022 4:09:00 PM	71029
Xylenes, Total	ND	0.10		mg/Kg	1	10/26/2022 4:09:00 PM	71029
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	1	10/26/2022 4:09:00 PM	71029

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation 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 37 of 58



## Analytical Report

Lab Order 2210B58

Date Reported: 11/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EB-2

Project: Mobil CI 9 Flowline

Collection Date: 10/20/2022 1:02:00 PM

Lab ID: 2210B58-038

Matrix: SOIL

Received Date: 10/22/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	430	60		mg/Kg	20	10/27/2022 3:01:41 PM	71114
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	91	15		mg/Kg	1	10/31/2022 12:14:25 PM	71059
Motor Oil Range Organics (MRO)	230	49		mg/Kg	1	10/31/2022 12:14:25 PM	71059
Surr: DNOP	97.8	21-129		%Rec	1	10/31/2022 12:14:25 PM	71059
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/26/2022 4:29:00 PM	71029
Surr: BFB	101	37.7-212		%Rec	1	10/26/2022 4:29:00 PM	71029
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: CCM
Benzene	ND	0.023		mg/Kg	1	10/26/2022 4:29:00 PM	71029
Toluene	ND	0.047		mg/Kg	1	10/26/2022 4:29:00 PM	71029
Ethylbenzene	ND	0.047		mg/Kg	1	10/26/2022 4:29:00 PM	71029
Xylenes, Total	ND	0.093		mg/Kg	1	10/26/2022 4:29:00 PM	71029
Surr: 4-Bromofluorobenzene	112	70-130		%Rec	1	10/26/2022 4:29:00 PM	71029

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation 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 38 of 58

## Analytical Report

Lab Order 2210B58

Date Reported: 11/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EB-3

Project: Mobil CI 9 Flowline

Collection Date: 10/20/2022 1:04:00 PM

Lab ID: 2210B58-039

Matrix: SOIL

Received Date: 10/22/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	160	60		mg/Kg	20	10/27/2022 3:14:02 PM	71114
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	68	15		mg/Kg	1	10/31/2022 12:35:46 PM	71059
Motor Oil Range Organics (MRO)	180	49		mg/Kg	1	10/31/2022 12:35:46 PM	71059
Surr: DNOP	88.3	21-129		%Rec	1	10/31/2022 12:35:46 PM	71059
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/26/2022 4:48:00 PM	71029
Surr: BFB	101	37.7-212		%Rec	1	10/26/2022 4:48:00 PM	71029
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	10/26/2022 4:48:00 PM	71029
Toluene	ND	0.049		mg/Kg	1	10/26/2022 4:48:00 PM	71029
Ethylbenzene	ND	0.049		mg/Kg	1	10/26/2022 4:48:00 PM	71029
Xylenes, Total	ND	0.098		mg/Kg	1	10/26/2022 4:48:00 PM	71029
Surr: 4-Bromofluorobenzene	113	70-130		%Rec	1	10/26/2022 4:48:00 PM	71029

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation 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 39 of 58

## Analytical Report

Lab Order 2210B58

Date Reported: 11/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EB-4

Project: Mobil CI 9 Flowline

Collection Date: 10/20/2022 1:06:00 PM

Lab ID: 2210B58-040

Matrix: SOIL

Received Date: 10/22/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	ND	60		mg/Kg	20	10/27/2022 3:26:23 PM	71114
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/29/2022 2:30:15 AM	71059
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/29/2022 2:30:15 AM	71059
Surr: DNOP	96.1	21-129		%Rec	1	10/29/2022 2:30:15 AM	71059
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/26/2022 5:08:00 PM	71029
Surr: BFB	99.5	37.7-212		%Rec	1	10/26/2022 5:08:00 PM	71029
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	10/26/2022 5:08:00 PM	71029
Toluene	ND	0.049		mg/Kg	1	10/26/2022 5:08:00 PM	71029
Ethylbenzene	ND	0.049		mg/Kg	1	10/26/2022 5:08:00 PM	71029
Xylenes, Total	ND	0.098		mg/Kg	1	10/26/2022 5:08:00 PM	71029
Surr: 4-Bromofluorobenzene	110	70-130		%Rec	1	10/26/2022 5:08:00 PM	71029

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation 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 40 of 58

## Analytical Report

Lab Order 2210B58

Date Reported: 11/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EB-5

Project: Mobil CI 9 Flowline

Collection Date: 10/20/2022 1:08:00 PM

Lab ID: 2210B58-041

Matrix: SOIL

Received Date: 10/22/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	160	60		mg/Kg	20	10/27/2022 3:38:44 PM	71114
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	43	14		mg/Kg	1	10/31/2022 12:57:19 PM	71059
Motor Oil Range Organics (MRO)	150	48		mg/Kg	1	10/31/2022 12:57:19 PM	71059
Surr: DNOP	127	21-129		%Rec	1	10/31/2022 12:57:19 PM	71059
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/26/2022 5:28:00 PM	71029
Surr: BFB	105	37.7-212		%Rec	1	10/26/2022 5:28:00 PM	71029
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	10/26/2022 5:28:00 PM	71029
Toluene	ND	0.048		mg/Kg	1	10/26/2022 5:28:00 PM	71029
Ethylbenzene	ND	0.048		mg/Kg	1	10/26/2022 5:28:00 PM	71029
Xylenes, Total	ND	0.097		mg/Kg	1	10/26/2022 5:28:00 PM	71029
Surr: 4-Bromofluorobenzene	109	70-130		%Rec	1	10/26/2022 5:28:00 PM	71029

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation 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 41 of 58

## Analytical Report

Lab Order 2210B58

Date Reported: 11/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EB-6

Project: Mobil CI 9 Flowline

Collection Date: 10/20/2022 1:10:00 PM

Lab ID: 2210B58-042

Matrix: SOIL

Received Date: 10/22/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	1200	60		mg/Kg	20	10/27/2022 3:51:06 PM	71114
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	44	15		mg/Kg	1	10/31/2022 1:18:53 PM	71059
Motor Oil Range Organics (MRO)	140	50		mg/Kg	1	10/31/2022 1:18:53 PM	71059
Surr: DNOP	119	21-129		%Rec	1	10/31/2022 1:18:53 PM	71059
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	10/26/2022 5:48:00 PM	71029
Surr: BFB	103	37.7-212		%Rec	1	10/26/2022 5:48:00 PM	71029
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: CCM
Benzene	ND	0.023		mg/Kg	1	10/26/2022 5:48:00 PM	71029
Toluene	ND	0.046		mg/Kg	1	10/26/2022 5:48:00 PM	71029
Ethylbenzene	ND	0.046		mg/Kg	1	10/26/2022 5:48:00 PM	71029
Xylenes, Total	ND	0.092		mg/Kg	1	10/26/2022 5:48:00 PM	71029
Surr: 4-Bromofluorobenzene	112	70-130		%Rec	1	10/26/2022 5:48:00 PM	71029

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation 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 42 of 58

## Analytical Report

Lab Order 2210B58

Date Reported: 11/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EB-7

Project: Mobil CI 9 Flowline

Collection Date: 10/20/2022 1:12:00 PM

Lab ID: 2210B58-043

Matrix: SOIL

Received Date: 10/22/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	ND	59		mg/Kg	20	10/28/2022 1:56:02 AM	71134
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	10/29/2022 3:12:52 AM	71059
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/29/2022 3:12:52 AM	71059
Surr: DNOP	78.6	21-129		%Rec	1	10/29/2022 3:12:52 AM	71059
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/26/2022 6:07:00 PM	71029
Surr: BFB	99.1	37.7-212		%Rec	1	10/26/2022 6:07:00 PM	71029
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	10/26/2022 6:07:00 PM	71029
Toluene	ND	0.050		mg/Kg	1	10/26/2022 6:07:00 PM	71029
Ethylbenzene	ND	0.050		mg/Kg	1	10/26/2022 6:07:00 PM	71029
Xylenes, Total	ND	0.099		mg/Kg	1	10/26/2022 6:07:00 PM	71029
Surr: 4-Bromofluorobenzene	110	70-130		%Rec	1	10/26/2022 6:07:00 PM	71029

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation 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 43 of 58



## Analytical Report

Lab Order 2210B58

Date Reported: 11/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EB-8

Project: Mobil CI 9 Flowline

Collection Date: 10/20/2022 1:14:00 PM

Lab ID: 2210B58-044

Matrix: SOIL

Received Date: 10/22/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	300	61		mg/Kg	20	10/28/2022 2:08:23 AM	71134
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: JME
Diesel Range Organics (DRO)	41	14		mg/Kg	1	10/28/2022 10:34:36 AM	71060
Motor Oil Range Organics (MRO)	120	48		mg/Kg	1	10/28/2022 10:34:36 AM	71060
Surr: DNOP	106	21-129		%Rec	1	10/28/2022 10:34:36 AM	71060
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/26/2022 8:05:00 PM	71045
Surr: BFB	99.8	37.7-212		%Rec	1	10/26/2022 8:05:00 PM	71045
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	10/26/2022 8:05:00 PM	71045
Toluene	ND	0.047		mg/Kg	1	10/26/2022 8:05:00 PM	71045
Ethylbenzene	ND	0.047		mg/Kg	1	10/26/2022 8:05:00 PM	71045
Xylenes, Total	ND	0.095		mg/Kg	1	10/26/2022 8:05:00 PM	71045
Surr: 4-Bromofluorobenzene	108	70-130		%Rec	1	10/26/2022 8:05:00 PM	71045

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation 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 44 of 58

## Analytical Report

Lab Order 2210B58

Date Reported: 11/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EB-9

Project: Mobil CI 9 Flowline

Collection Date: 10/20/2022 1:16:00 PM

Lab ID: 2210B58-045

Matrix: SOIL

Received Date: 10/22/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	140	60		mg/Kg	20	10/28/2022 2:20:43 AM	71134
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/26/2022 10:09:13 PM	71060
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/26/2022 10:09:13 PM	71060
Surr: DNOP	113	21-129		%Rec	1	10/26/2022 10:09:13 PM	71060
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/26/2022 9:04:00 PM	71045
Surr: BFB	97.8	37.7-212		%Rec	1	10/26/2022 9:04:00 PM	71045
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	10/26/2022 9:04:00 PM	71045
Toluene	ND	0.048		mg/Kg	1	10/26/2022 9:04:00 PM	71045
Ethylbenzene	ND	0.048		mg/Kg	1	10/26/2022 9:04:00 PM	71045
Xylenes, Total	ND	0.096		mg/Kg	1	10/26/2022 9:04:00 PM	71045
Surr: 4-Bromofluorobenzene	112	70-130		%Rec	1	10/26/2022 9:04:00 PM	71045

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation 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 45 of 58

## Analytical Report

Lab Order 2210B58

Date Reported: 11/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EB-10

Project: Mobil CI 9 Flowline

Collection Date: 10/20/2022 1:18:00 PM

Lab ID: 2210B58-046

Matrix: SOIL

Received Date: 10/22/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	ND	60		mg/Kg	20	10/28/2022 2:33:03 AM	71134
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/26/2022 10:50:54 PM	71060
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/26/2022 10:50:54 PM	71060
Surr: DNOP	107	21-129		%Rec	1	10/26/2022 10:50:54 PM	71060
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/26/2022 10:03:00 PM	71045
Surr: BFB	99.7	37.7-212		%Rec	1	10/26/2022 10:03:00 PM	71045
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	10/26/2022 10:03:00 PM	71045
Toluene	ND	0.049		mg/Kg	1	10/26/2022 10:03:00 PM	71045
Ethylbenzene	ND	0.049		mg/Kg	1	10/26/2022 10:03:00 PM	71045
Xylenes, Total	ND	0.097		mg/Kg	1	10/26/2022 10:03:00 PM	71045
Surr: 4-Bromofluorobenzene	112	70-130		%Rec	1	10/26/2022 10:03:00 PM	71045

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation 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 46 of 58

## Analytical Report

Lab Order 2210B58

Date Reported: 11/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EB-11

Project: Mobil CI 9 Flowline

Collection Date: 10/20/2022 1:20:00 PM

Lab ID: 2210B58-047

Matrix: SOIL

Received Date: 10/22/2022 8:00:00 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	10/28/2022 8:23:43 AM	71134
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	34	14		mg/Kg	1	10/31/2022 2:35:41 PM	71060
Motor Oil Range Organics (MRO)	100	47		mg/Kg	1	10/31/2022 2:35:41 PM	71060
Surr: DNOP	95.9	21-129		%Rec	1	10/31/2022 2:35:41 PM	71060
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/26/2022 10:23:00 PM	71045
Surr: BFB	104	37.7-212		%Rec	1	10/26/2022 10:23:00 PM	71045
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	10/26/2022 10:23:00 PM	71045
Toluene	ND	0.049		mg/Kg	1	10/26/2022 10:23:00 PM	71045
Ethylbenzene	ND	0.049		mg/Kg	1	10/26/2022 10:23:00 PM	71045
Xylenes, Total	ND	0.098		mg/Kg	1	10/26/2022 10:23:00 PM	71045
Surr: 4-Bromofluorobenzene	112	70-130		%Rec	1	10/26/2022 10:23:00 PM	71045

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation 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 47 of 58

## Analytical Report

Lab Order 2210B58

Date Reported: 11/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EB-12

Project: Mobil CI 9 Flowline

Collection Date: 10/20/2022 1:22:00 PM

Lab ID: 2210B58-048

Matrix: SOIL

Received Date: 10/22/2022 8:00:00 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	10/28/2022 8:36:04 AM	71134
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/26/2022 11:04:47 PM	71060
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/26/2022 11:04:47 PM	71060
Surr: DNOP	125	21-129		%Rec	1	10/26/2022 11:04:47 PM	71060
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/26/2022 10:42:00 PM	71045
Surr: BFB	103	37.7-212		%Rec	1	10/26/2022 10:42:00 PM	71045
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	10/26/2022 10:42:00 PM	71045
Toluene	ND	0.049		mg/Kg	1	10/26/2022 10:42:00 PM	71045
Ethylbenzene	ND	0.049		mg/Kg	1	10/26/2022 10:42:00 PM	71045
Xylenes, Total	ND	0.099		mg/Kg	1	10/26/2022 10:42:00 PM	71045
Surr: 4-Bromofluorobenzene	113	70-130		%Rec	1	10/26/2022 10:42:00 PM	71045

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation 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 48 of 58

## Analytical Report

Lab Order 2210B58

Date Reported: 11/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EB-13

Project: Mobil CI 9 Flowline

Collection Date: 10/20/2022 1:24:00 PM

Lab ID: 2210B58-049

Matrix: SOIL

Received Date: 10/22/2022 8:00:00 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	10/28/2022 8:48:25 AM	71134
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/26/2022 11:18:32 PM	71060
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	10/26/2022 11:18:32 PM	71060
Surr: DNOP	104	21-129		%Rec	1	10/26/2022 11:18:32 PM	71060
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/26/2022 11:02:00 PM	71045
Surr: BFB	102	37.7-212		%Rec	1	10/26/2022 11:02:00 PM	71045
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	10/26/2022 11:02:00 PM	71045
Toluene	ND	0.048		mg/Kg	1	10/26/2022 11:02:00 PM	71045
Ethylbenzene	ND	0.048		mg/Kg	1	10/26/2022 11:02:00 PM	71045
Xylenes, Total	ND	0.097		mg/Kg	1	10/26/2022 11:02:00 PM	71045
Surr: 4-Bromofluorobenzene	114	70-130		%Rec	1	10/26/2022 11:02:00 PM	71045

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation 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 49 of 58



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

WO#: 2210B58

03-Nov-22

**Client:** EOG  
**Project:** Mobil CI 9 Flowline

Sample ID: <b>MB-71072</b>	SampType: <b>mblk</b>			TestCode: <b>EPA Method 300.0: Anions</b>						
Client ID: <b>PBS</b>	Batch ID: <b>71072</b>			RunNo: <b>92082</b>						
Prep Date: <b>10/26/2022</b>	Analysis Date: <b>10/26/2022</b>			SeqNo: <b>3306560</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-71072</b>	SampType: <b>lcs</b>			TestCode: <b>EPA Method 300.0: Anions</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>71072</b>			RunNo: <b>92082</b>						
Prep Date: <b>10/26/2022</b>	Analysis Date: <b>10/26/2022</b>			SeqNo: <b>3306561</b>	Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.1	90	110			

Sample ID: <b>MB-71096</b>	SampType: <b>mblk</b>			TestCode: <b>EPA Method 300.0: Anions</b>						
Client ID: <b>PBS</b>	Batch ID: <b>71096</b>			RunNo: <b>92082</b>						
Prep Date: <b>10/26/2022</b>	Analysis Date: <b>10/27/2022</b>			SeqNo: <b>3306630</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-71096</b>	SampType: <b>lcs</b>			TestCode: <b>EPA Method 300.0: Anions</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>71096</b>			RunNo: <b>92082</b>						
Prep Date: <b>10/26/2022</b>	Analysis Date: <b>10/27/2022</b>			SeqNo: <b>3306631</b>	Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.4	90	110			

Sample ID: <b>MB-71104</b>	SampType: <b>mblk</b>			TestCode: <b>EPA Method 300.0: Anions</b>						
Client ID: <b>PBS</b>	Batch ID: <b>71104</b>			RunNo: <b>92121</b>						
Prep Date: <b>10/26/2022</b>	Analysis Date: <b>10/26/2022</b>			SeqNo: <b>3306859</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-71104</b>	SampType: <b>lcs</b>			TestCode: <b>EPA Method 300.0: Anions</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>71104</b>			RunNo: <b>92121</b>						
Prep Date: <b>10/26/2022</b>	Analysis Date: <b>10/26/2022</b>			SeqNo: <b>3306860</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	96.8	90	110			

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
 D Sample Diluted Due to Matrix  
 H Holding times for preparation or analysis exceeded  
 ND Not Detected at the Reporting Limit  
 PQL Practical Quantitative Limit  
 S % Recovery outside of 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#: 2210B58

03-Nov-22

**Client:** EOG  
**Project:** Mobil CI 9 Flowline

Sample ID: <b>MB-71114</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>71114</b>	RunNo: <b>92160</b>								
Prep Date: <b>10/27/2022</b>	Analysis Date: <b>10/27/2022</b>	SeqNo: <b>3308714</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-71114</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>71114</b>	RunNo: <b>92160</b>								
Prep Date: <b>10/27/2022</b>	Analysis Date: <b>10/27/2022</b>	SeqNo: <b>3308715</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.3	90	110			

Sample ID: <b>MB-71134</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>71134</b>	RunNo: <b>92160</b>								
Prep Date: <b>10/27/2022</b>	Analysis Date: <b>10/27/2022</b>	SeqNo: <b>3308776</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-71134</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>71134</b>	RunNo: <b>92160</b>								
Prep Date: <b>10/27/2022</b>	Analysis Date: <b>10/27/2022</b>	SeqNo: <b>3308777</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.0	90	110			

**Qualifiers:**

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

Page 51 of 58

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

WO#: 2210B58

03-Nov-22

**Client:** EOG  
**Project:** Mobil CI 9 Flowline

Sample ID: <b>MB-71054</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>71054</b>	RunNo: <b>92087</b>								
Prep Date: <b>10/25/2022</b>	Analysis Date: <b>10/26/2022</b>	SeqNo: <b>3305152</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	21	129			

Sample ID: <b>LCS-71054</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>71054</b>	RunNo: <b>92087</b>								
Prep Date: <b>10/25/2022</b>	Analysis Date: <b>10/26/2022</b>	SeqNo: <b>3305153</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	53	15	50.00	0	107	64.4	127			
Surr: DNOP	5.1		5.000		103	21	129			

Sample ID: <b>MB-71044</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>71044</b>	RunNo: <b>92133</b>								
Prep Date: <b>10/24/2022</b>	Analysis Date: <b>10/26/2022</b>	SeqNo: <b>3307322</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	9.6		10.00		96.3	21	129			

Sample ID: <b>LCS-71044</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>71044</b>	RunNo: <b>92133</b>								
Prep Date: <b>10/24/2022</b>	Analysis Date: <b>10/26/2022</b>	SeqNo: <b>3307323</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	15	50.00	0	91.9	64.4	127			
Surr: DNOP	4.6		5.000		91.7	21	129			

Sample ID: <b>MB-71060</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>71060</b>	RunNo: <b>92133</b>								
Prep Date: <b>10/25/2022</b>	Analysis Date: <b>10/26/2022</b>	SeqNo: <b>3307329</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	10		10.00		103	21	129			

**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#: 2210B58

03-Nov-22

**Client:** EOG  
**Project:** Mobil CI 9 Flowline

Sample ID: <b>LCS-71060</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>71060</b>			RunNo: <b>92133</b>						
Prep Date: <b>10/25/2022</b>	Analysis Date: <b>10/26/2022</b>			SeqNo: <b>3307330</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	15	50.00	0	94.9	64.4	127			
Surr: DNOP	4.5		5.000		90.8	21	129			

Sample ID: <b>LCS-71059</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>71059</b>			RunNo: <b>92172</b>						
Prep Date: <b>10/25/2022</b>	Analysis Date: <b>10/28/2022</b>			SeqNo: <b>3310031</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	15	50.00	0	88.0	64.4	127			
Surr: DNOP	4.2		5.000		83.7	21	129			

Sample ID: <b>LCS-71141</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>71141</b>			RunNo: <b>92172</b>						
Prep Date: <b>10/28/2022</b>	Analysis Date: <b>10/28/2022</b>			SeqNo: <b>3310032</b>		Units: <b>%Rec</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.3		5.000		107	21	129			

Sample ID: <b>MB-71059</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>PBS</b>	Batch ID: <b>71059</b>			RunNo: <b>92172</b>						
Prep Date: <b>10/25/2022</b>	Analysis Date: <b>10/28/2022</b>			SeqNo: <b>3310034</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	8.2		10.00		82.5	21	129			

Sample ID: <b>MB-71141</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>PBS</b>	Batch ID: <b>71141</b>			RunNo: <b>92172</b>						
Prep Date: <b>10/28/2022</b>	Analysis Date: <b>10/28/2022</b>			SeqNo: <b>3310036</b>		Units: <b>%Rec</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.5		10.00		94.6	21	129			

Sample ID: <b>LCS-71171</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>71171</b>			RunNo: <b>92198</b>						
Prep Date: <b>10/31/2022</b>	Analysis Date: <b>10/31/2022</b>			SeqNo: <b>3311075</b>		Units: <b>%Rec</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.4		5.000		88.2	21	129			

**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.		

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

WO#: 2210B58

03-Nov-22

**Client:** EOG  
**Project:** Mobil CI 9 Flowline

Sample ID: <b>MB-71171</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>PBS</b>	Batch ID: <b>71171</b>			RunNo: <b>92198</b>						
Prep Date: <b>10/31/2022</b>	Analysis Date: <b>10/31/2022</b>			SeqNo: <b>3311076</b>		Units: <b>%Rec</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.0		10.00		90.3	21	129			

Sample ID: <b>LCS-71174</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>71174</b>			RunNo: <b>92198</b>						
Prep Date: <b>10/31/2022</b>	Analysis Date: <b>10/31/2022</b>			SeqNo: <b>3312301</b>		Units: <b>%Rec</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.5		5.000		110	21	129			

Sample ID: <b>MB-71174</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>PBS</b>	Batch ID: <b>71174</b>			RunNo: <b>92198</b>						
Prep Date: <b>10/31/2022</b>	Analysis Date: <b>10/31/2022</b>			SeqNo: <b>3312302</b>		Units: <b>%Rec</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.7		10.00		96.8	21	129			

**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#: 2210B58

03-Nov-22

**Client:** EOG  
**Project:** Mobil CI 9 Flowline

Sample ID: <b>ics-71014</b>	SampType: <b>LCS</b>				TestCode: <b>EPA Method 8015D: Gasoline Range</b>					
Client ID: <b>LCSS</b>	Batch ID: <b>71014</b>				RunNo: <b>92075</b>					
Prep Date: <b>10/24/2022</b>	Analysis Date: <b>10/25/2022</b>				SeqNo: <b>3304536</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	102	72.3	137			
Surr: BFB	2300		1000		226	37.7	212			S

Sample ID: <b>mb-71014</b>	SampType: <b>MBLK</b>				TestCode: <b>EPA Method 8015D: Gasoline Range</b>					
Client ID: <b>PBS</b>	Batch ID: <b>71014</b>				RunNo: <b>92075</b>					
Prep Date: <b>10/24/2022</b>	Analysis Date: <b>10/25/2022</b>				SeqNo: <b>3304537</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>ics-71018</b>	SampType: <b>LCS</b>				TestCode: <b>EPA Method 8015D: Gasoline Range</b>					
Client ID: <b>LCSS</b>	Batch ID: <b>71018</b>				RunNo: <b>92075</b>					
Prep Date: <b>10/24/2022</b>	Analysis Date: <b>10/25/2022</b>				SeqNo: <b>3304560</b>	Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	101	72.3	137			
Surr: BFB	2200		1000		220	37.7	212			S

Sample ID: <b>mb-71018</b>	SampType: <b>MBLK</b>				TestCode: <b>EPA Method 8015D: Gasoline Range</b>					
Client ID: <b>PBS</b>	Batch ID: <b>71018</b>				RunNo: <b>92075</b>					
Prep Date: <b>10/24/2022</b>	Analysis Date: <b>10/25/2022</b>				SeqNo: <b>3304561</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		99.7	37.7	212			

Sample ID: <b>ics-71029</b>	SampType: <b>LCS</b>				TestCode: <b>EPA Method 8015D: Gasoline Range</b>					
Client ID: <b>LCSS</b>	Batch ID: <b>71029</b>				RunNo: <b>92118</b>					
Prep Date: <b>10/24/2022</b>	Analysis Date: <b>10/26/2022</b>				SeqNo: <b>3306770</b>	Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	105	72.3	137			
Surr: BFB	2200		1000		223	37.7	212			S

Sample ID: <b>mb-71029</b>	SampType: <b>MBLK</b>				TestCode: <b>EPA Method 8015D: Gasoline Range</b>					
Client ID: <b>PBS</b>	Batch ID: <b>71029</b>				RunNo: <b>92118</b>					
Prep Date: <b>10/24/2022</b>	Analysis Date: <b>10/26/2022</b>				SeqNo: <b>3306771</b>	Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

**Qualifiers:**

*	Value exceeds Maximum Contaminant Level.	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.		



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

WO#: 2210B58

03-Nov-22

**Client:** EOG  
**Project:** Mobil CI 9 Flowline

Sample ID: <b>mb-71029</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>71029</b>		RunNo: <b>92118</b>							
Prep Date: <b>10/24/2022</b>	Analysis Date: <b>10/26/2022</b>		SeqNo: <b>3306771</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		105	37.7	212			

Sample ID: <b>lcs-71045</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>71045</b>		RunNo: <b>92118</b>							
Prep Date: <b>10/25/2022</b>	Analysis Date: <b>10/26/2022</b>		SeqNo: <b>3306799</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	104	72.3	137			
Surr: BFB	2200		1000		221	37.7	212			S

Sample ID: <b>mb-71045</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>71045</b>		RunNo: <b>92118</b>							
Prep Date: <b>10/25/2022</b>	Analysis Date: <b>10/26/2022</b>		SeqNo: <b>3306800</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	970		1000		97.5	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

Page 56 of 58

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

WO#: 2210B58

03-Nov-22

**Client:** EOG  
**Project:** Mobil CI 9 Flowline

Sample ID: <b>ics-71014</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>71014</b>		RunNo: <b>92075</b>							
Prep Date: <b>10/24/2022</b>	Analysis Date: <b>10/25/2022</b>		SeqNo: <b>3304669</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	110	80	120			
Toluene	1.1	0.050	1.000	0	111	80	120			
Ethylbenzene	1.1	0.050	1.000	0	110	80	120			
Xylenes, Total	3.3	0.10	3.000	0	109	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		113	70	130			

Sample ID: <b>mb-71014</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>PBS</b>	Batch ID: <b>71014</b>		RunNo: <b>92075</b>							
Prep Date: <b>10/24/2022</b>	Analysis Date: <b>10/25/2022</b>		SeqNo: <b>3304670</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		114	70	130			

Sample ID: <b>ics-71018</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>71018</b>		RunNo: <b>92075</b>							
Prep Date: <b>10/24/2022</b>	Analysis Date: <b>10/25/2022</b>		SeqNo: <b>3304695</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	108	80	120			
Toluene	1.1	0.050	1.000	0	108	80	120			
Ethylbenzene	1.1	0.050	1.000	0	108	80	120			
Xylenes, Total	3.2	0.10	3.000	0	107	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		109	70	130			

Sample ID: <b>mb-71018</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>PBS</b>	Batch ID: <b>71018</b>		RunNo: <b>92075</b>							
Prep Date: <b>10/24/2022</b>	Analysis Date: <b>10/25/2022</b>		SeqNo: <b>3304696</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		110	70	130			

**Qualifiers:**

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

Page 57 of 58

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

WO#: 2210B58

03-Nov-22

**Client:** EOG**Project:** Mobil CI 9 Flowline

Sample ID: <b>ics-71029</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>71029</b>	RunNo: <b>92118</b>								
Prep Date: <b>10/24/2022</b>	Analysis Date: <b>10/26/2022</b>	SeqNo: <b>3306862</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	109	80	120			
Toluene	1.1	0.050	1.000	0	109	80	120			
Ethylbenzene	1.1	0.050	1.000	0	110	80	120			
Xylenes, Total	3.3	0.10	3.000	0	109	80	120			
Surr: 4-Bromofluorobenzene	1.2		1.000		117	70	130			

Sample ID: <b>mb-71029</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>71029</b>	RunNo: <b>92118</b>								
Prep Date: <b>10/24/2022</b>	Analysis Date: <b>10/26/2022</b>	SeqNo: <b>3306865</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.2		1.000		115	70	130			

Sample ID: <b>ics-71045</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>71045</b>	RunNo: <b>92118</b>								
Prep Date: <b>10/25/2022</b>	Analysis Date: <b>10/26/2022</b>	SeqNo: <b>3306919</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	114	80	120			
Toluene	1.1	0.050	1.000	0	115	80	120			
Ethylbenzene	1.1	0.050	1.000	0	114	80	120			
Xylenes, Total	3.4	0.10	3.000	0	114	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		112	70	130			

Sample ID: <b>mb-71045</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>71045</b>	RunNo: <b>92118</b>								
Prep Date: <b>10/25/2022</b>	Analysis Date: <b>10/26/2022</b>	SeqNo: <b>3306920</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		109	70	130			

**Qualifiers:**

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

Page 58 of 58



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: 2210B58

RcptNo: 1

Received By: Juan Rojas

10/22/2022 8:00:00 AM

*Juan Rojas*

Completed By: Juan Rojas

10/22/2022 8:42:18 AM

*Juan Rojas*

Reviewed By: *SLA 10/24/22*

### 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:

(<2 or >12 unless noted)

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

Checked by: *JN 10/24/22*

### 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	0.4	Good				

Client: EOG-Artesia / Ranger Env.

EOG 5 DAY TAT

☒ Standard ☒ Rush

Project Name:

MOBILE CT #9 flow line

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

Ranger: PO Box 201179, Austin TX 78720

Project #: 5375

Phone #: 521-335-1785

email or Fax#: Will@RangerEnv.com

Project Manager: W. Kierdorf

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☒ NELAC ☐ Other

☒ EDD (Type) Excel

Sampler:

On Ice: ☒ Yes ☐ No

# of Coolers:

Cooler Temp (including CF): 6.4 @ 0.004

Container Type and #

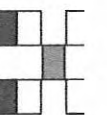
Preservative Type

HEAL No.

BTEX (8021)

TPH:8015D(GRO / DRO / MRO)

Chloride (EPA 300)



HALL ENVIRONMENTAL  
ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX (8021)	TPH:8015D(GRO / DRO / MRO)	Chloride (EPA 300)										
10-20-22	1130	Soil	WW-1	1 (K402)ar	ICE	-001	X	X	X										
	1134		WW-2			-002													
	1136		WW-3			-003													
	1140		WW-4			-004													
	1144		WW-5			-005													
	1146		WW-6			-006													
	1150		WW-7			-007													
	1300		EW-1			-008													
	1302		EW-2			-009													
	1304		EW-3			-010													
	1306		EW-4			-011													
	1308		EW-5			-012													
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time	Remarks: Bill to EOG Artesia												
10-21-20	1112	J-Martinez	J-Martinez		10/21/22	1112													
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time													







Client: EOG-Artesia / Ranger Env.

☒ Standard ☒ Rush

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

Ranger: PO Box 201179, Austin TX 78720

Project #: 5375

Phone #: 521-335-1785

email or Fax#: Will@RangerEnv.com

Project Manager: W. Kierdorf

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☒ NELAC ☐ Other

EDD (Type) Excel

Sampler: J. Martinez

On Ice: ☐ Yes ☒ No

# of Coolers:

Cooler Temp (including CP): 0.4-0.0-0.4

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX (8021)	TPH:8015D(GRO / DRO / MRO)	Chloride (EPA 300)
------	------	--------	-------------	----------------------	-------------------	----------	-------------	----------------------------	--------------------

10-20-24 1048 5:01

WB-9' WB-10' WB-11' WB-12' WB-13' WB-14' WB-15' WB-16' WB-17' WB-18' WB-19' WB-20'

10-20-24 1048 5:01

1050

WB-9' WB-10' WB-11' WB-12' WB-13' WB-14' WB-15' WB-16' WB-17' WB-18' WB-19' WB-20'

1050

1052

WB-9' WB-10' WB-11' WB-12' WB-13' WB-14' WB-15' WB-16' WB-17' WB-18' WB-19' WB-20'

1052

1054

WB-9' WB-10' WB-11' WB-12' WB-13' WB-14' WB-15' WB-16' WB-17' WB-18' WB-19' WB-20'

1054

1056

WB-9' WB-10' WB-11' WB-12' WB-13' WB-14' WB-15' WB-16' WB-17' WB-18' WB-19' WB-20'

1056

1058

WB-9' WB-10' WB-11' WB-12' WB-13' WB-14' WB-15' WB-16' WB-17' WB-18' WB-19' WB-20'

1058

1100

WB-9' WB-10' WB-11' WB-12' WB-13' WB-14' WB-15' WB-16' WB-17' WB-18' WB-19' WB-20'

1100

1102

WB-9' WB-10' WB-11' WB-12' WB-13' WB-14' WB-15' WB-16' WB-17' WB-18' WB-19' WB-20'

1102

1104

WB-9' WB-10' WB-11' WB-12' WB-13' WB-14' WB-15' WB-16' WB-17' WB-18' WB-19' WB-20'

1104

1106

WB-9' WB-10' WB-11' WB-12' WB-13' WB-14' WB-15' WB-16' WB-17' WB-18' WB-19' WB-20'

1106

1108

WB-9' WB-10' WB-11' WB-12' WB-13' WB-14' WB-15' WB-16' WB-17' WB-18' WB-19' WB-20'

1108

1110

WB-9' WB-10' WB-11' WB-12' WB-13' WB-14' WB-15' WB-16' WB-17' WB-18' WB-19' WB-20'

1110

10-20-24 1109

WB-9' WB-10' WB-11' WB-12' WB-13' WB-14' WB-15' WB-16' WB-17' WB-18' WB-19' WB-20'

10-20-24 1109

10-20-24 1109

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10-20-24 1109

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10-20-24 1109

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10-20-24 1109

10-20-24 1109

WB-9' WB-10' WB-11' WB-12' WB-13' WB-14' WB-15' WB-16' WB-17' WB-18' WB-19' WB-20'

10-20-24 1109









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)

November 14, 2022

Will Kierdorf  
EOG  
105 South Fourth Street  
Artesia, NM 88210  
TEL:  
FAX

RE: Mobil CI 9

OrderNo.: 2211292

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 3 sample(s) on 11/5/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

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

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

## Analytical Report

Lab Order 2211292

Date Reported: 11/14/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW-8

Project: Mobil CI 9

Collection Date: 11/3/2022 8:38:00 AM

Lab ID: 2211292-001

Matrix: SOIL

Received Date: 11/5/2022 2:10:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	ND	60		mg/Kg	20	11/10/2022 3:22:40 PM	71406
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	37	15		mg/Kg	1	11/9/2022 2:03:52 PM	71339
Motor Oil Range Organics (MRO)	92	49		mg/Kg	1	11/9/2022 2:03:52 PM	71339
Surr: DNOP	78.1	21-129		%Rec	1	11/9/2022 2:03:52 PM	71339
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/8/2022 4:29:00 PM	71329
Surr: BFB	98.7	37.7-212		%Rec	1	11/8/2022 4:29:00 PM	71329
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.024		mg/Kg	1	11/8/2022 4:29:00 PM	71329
Toluene	ND	0.048		mg/Kg	1	11/8/2022 4:29:00 PM	71329
Ethylbenzene	ND	0.048		mg/Kg	1	11/8/2022 4:29:00 PM	71329
Xylenes, Total	ND	0.096		mg/Kg	1	11/8/2022 4:29:00 PM	71329
Surr: 4-Bromofluorobenzene	114	70-130		%Rec	1	11/8/2022 4:29:00 PM	71329

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation 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 8

## Analytical Report

Lab Order 2211292

Date Reported: 11/14/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WW-5

Project: Mobil CI 9

Collection Date: 11/3/2022 8:40:00 AM

Lab ID: 2211292-002

Matrix: SOIL

Received Date: 11/5/2022 2:10:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	ND	60		mg/Kg	20	11/10/2022 3:35:04 PM	71406
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	11/9/2022 3:51:01 AM	71339
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/9/2022 3:51:01 AM	71339
Surr: DNOP	82.8	21-129		%Rec	1	11/9/2022 3:51:01 AM	71339
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/8/2022 4:49:00 PM	71329
Surr: BFB	100	37.7-212		%Rec	1	11/8/2022 4:49:00 PM	71329
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.024		mg/Kg	1	11/8/2022 4:49:00 PM	71329
Toluene	ND	0.048		mg/Kg	1	11/8/2022 4:49:00 PM	71329
Ethylbenzene	ND	0.048		mg/Kg	1	11/8/2022 4:49:00 PM	71329
Xylenes, Total	ND	0.097		mg/Kg	1	11/8/2022 4:49:00 PM	71329
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	1	11/8/2022 4:49:00 PM	71329

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation 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 8



## Analytical Report

Lab Order 2211292

Date Reported: 11/14/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WW-3

Project: Mobil CI 9

Collection Date: 11/3/2022 8:42:00 AM

Lab ID: 2211292-003

Matrix: SOIL

Received Date: 11/5/2022 2:10:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	200	60		mg/Kg	20	11/10/2022 3:47:30 PM	71406
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	320	15		mg/Kg	1	11/9/2022 11:55:54 AM	71339
Motor Oil Range Organics (MRO)	360	49		mg/Kg	1	11/9/2022 11:55:54 AM	71339
Surr: DNOP	102	21-129		%Rec	1	11/9/2022 11:55:54 AM	71339
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/8/2022 5:08:00 PM	71329
Surr: BFB	94.9	37.7-212		%Rec	1	11/8/2022 5:08:00 PM	71329
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.024		mg/Kg	1	11/8/2022 5:08:00 PM	71329
Toluene	ND	0.048		mg/Kg	1	11/8/2022 5:08:00 PM	71329
Ethylbenzene	ND	0.048		mg/Kg	1	11/8/2022 5:08:00 PM	71329
Xylenes, Total	ND	0.096		mg/Kg	1	11/8/2022 5:08:00 PM	71329
Surr: 4-Bromofluorobenzene	110	70-130		%Rec	1	11/8/2022 5:08:00 PM	71329

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation 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 8

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2211292

14-Nov-22

Client: EOG  
Project: Mobil CI 9

Sample ID: <b>MB-71406</b>		SampType: <b>mblk</b>		TestCode: <b>EPA Method 300.0: Anions</b>						
Client ID: <b>PBS</b>		Batch ID: <b>71406</b>		RunNo: <b>92489</b>						
Prep Date: <b>11/10/2022</b>		Analysis Date: <b>11/10/2022</b>		SeqNo: <b>3325646</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-71406</b>		SampType: <b>lcs</b>		TestCode: <b>EPA Method 300.0: Anions</b>						
Client ID: <b>LCSS</b>		Batch ID: <b>71406</b>			RunNo: <b>92489</b>					
Prep Date: <b>11/10/2022</b>		Analysis Date: <b>11/10/2022</b>			SeqNo: <b>3325647</b>		Units: <b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.1	90	110			

Qualifiers:

- \*

Value exceeds Maximum Contaminant Level.
- D

Sample Diluted Due to Matrix
- H

Holding times for preparation or analysis exceeded
- ND

Not Detected at the Reporting Limit
- PQL

Practical Quantitative Limit
- S

% Recovery outside of 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#: 2211292

14-Nov-22

**Client:** EOG  
**Project:** Mobil CI 9

Sample ID: <b>LCS-71335</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>71335</b>			RunNo: <b>92415</b>						
Prep Date: <b>11/7/2022</b>	Analysis Date: <b>11/8/2022</b>			SeqNo: <b>3322279</b>	Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.6		5.000		92.7	21	129			

Sample ID: <b>LCS-71339</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>71339</b>			RunNo: <b>92415</b>						
Prep Date: <b>11/7/2022</b>	Analysis Date: <b>11/9/2022</b>			SeqNo: <b>3322280</b>	Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	15	50.00	0	88.0	64.4	127			
Surr: DNOP	4.8		5.000		95.9	21	129			

Sample ID: <b>MB-71335</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>PBS</b>	Batch ID: <b>71335</b>			RunNo: <b>92415</b>						
Prep Date: <b>11/7/2022</b>	Analysis Date: <b>11/8/2022</b>			SeqNo: <b>3322282</b>	Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	11		10.00		106	21	129			

Sample ID: <b>MB-71339</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>PBS</b>	Batch ID: <b>71339</b>			RunNo: <b>92415</b>						
Prep Date: <b>11/7/2022</b>	Analysis Date: <b>11/9/2022</b>			SeqNo: <b>3322283</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	9.5		10.00		95.1	21	129			

Sample ID: <b>LCS-71356</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>71356</b>			RunNo: <b>92430</b>						
Prep Date: <b>11/8/2022</b>	Analysis Date: <b>11/9/2022</b>			SeqNo: <b>3324030</b>	Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.6		5.000		112	21	129			

Sample ID: <b>LCS-71362</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>71362</b>			RunNo: <b>92430</b>						
Prep Date: <b>11/8/2022</b>	Analysis Date: <b>11/9/2022</b>			SeqNo: <b>3324031</b>	Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.3		5.000		106	21	129			

**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.		

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2211292

14-Nov-22

**Client:** EOG  
**Project:** Mobil CI 9

Sample ID: <b>MB-71356</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>PBS</b>	Batch ID: <b>71356</b>			RunNo: <b>92430</b>						
Prep Date: <b>11/8/2022</b>	Analysis Date: <b>11/9/2022</b>			SeqNo: <b>3324032</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		95.7	21	129			

Sample ID: <b>MB-71362</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>PBS</b>	Batch ID: <b>71362</b>			RunNo: <b>92430</b>						
Prep Date: <b>11/8/2022</b>	Analysis Date: <b>11/9/2022</b>			SeqNo: <b>3324033</b>	Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.5		10.00		95.2	21	129			

### 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

Page 6 of 8

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

WO#: 2211292

14-Nov-22

**Client:** EOG  
**Project:** Mobil CI 9

Sample ID: <b>lcs-71329</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>71329</b>	RunNo: <b>92421</b>								
Prep Date: <b>11/7/2022</b>	Analysis Date: <b>11/8/2022</b>	SeqNo: <b>3321772</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	94.1	72.3	137			
Surr: BFB	2100		1000		210	37.7	212			

Sample ID: <b>mb-71329</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>71329</b>	RunNo: <b>92421</b>								
Prep Date: <b>11/7/2022</b>	Analysis Date: <b>11/8/2022</b>	SeqNo: <b>3321773</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	970		1000		97.4	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

Page 7 of 8

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

WO#: 2211292

14-Nov-22

**Client:** EOG  
**Project:** Mobil CI 9

Sample ID: <b>lcs-71329</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>71329</b>			RunNo: <b>92421</b>						
Prep Date: <b>11/7/2022</b>	Analysis Date: <b>11/8/2022</b>			SeqNo: <b>3322190</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	115	80	120			
Toluene	1.2	0.050	1.000	0	115	80	120			
Ethylbenzene	1.2	0.050	1.000	0	115	80	120			
Xylenes, Total	3.4	0.10	3.000	0	115	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		110	70	130			

Sample ID: <b>mb-71329</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>PBS</b>	Batch ID: <b>71329</b>			RunNo: <b>92421</b>						
Prep Date: <b>11/7/2022</b>	Analysis Date: <b>11/8/2022</b>			SeqNo: <b>3322191</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		115	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: 2211292 RcptNo: 1

Received By: Andy Freeman 11/5/2022 2:10:00 PM

Completed By: Juan Rojas 11/7/2022 7:13:24 AM

Reviewed By: KPA 11-7-22

*Andy Freeman*  
*Juan Rojas*

### Chain of Custody

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

### Log In

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

# of preserved  
bottles checked  
for pH: \_\_\_\_\_  
(<2 or >12 unless noted)  
Adjusted? \_\_\_\_\_  
Checked by: \_\_\_\_\_

### Special Handling (if applicable)

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

Person Notified: \_\_\_\_\_ Date: \_\_\_\_\_  
By Whom: \_\_\_\_\_ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person  
Regarding: \_\_\_\_\_  
Client Instructions: \_\_\_\_\_

16. Additional remarks:

### 17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.5	Good				
2	4.4	Good				
3	2.8	Good				







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)

November 30, 2022

Will Kierdorf

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX:

RE: Mobil CI 9

OrderNo.: 2211C37

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 6 sample(s) on 11/22/2022 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 2211C37

Date Reported: 11/30/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW-8A

Project: Mobil CI 9

Collection Date: 11/18/2022 11:00:00 AM

Lab ID: 2211C37-001

Matrix: MEOH (SOIL)

Received Date: 11/22/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	120	60		mg/Kg	20	11/23/2022 3:50:27 AM	71673
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	11/22/2022 1:17:29 PM	71652
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/22/2022 1:17:29 PM	71652
Surr: DNOP	107	21-129		%Rec	1	11/22/2022 1:17:29 PM	71652
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.1		mg/Kg	1	11/22/2022 10:52:52 AM	G92780
Surr: BFB	87.0	37.7-212		%Rec	1	11/22/2022 10:52:52 AM	G92780
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.021		mg/Kg	1	11/22/2022 10:52:52 AM	B92780
Toluene	ND	0.041		mg/Kg	1	11/22/2022 10:52:52 AM	B92780
Ethylbenzene	ND	0.041		mg/Kg	1	11/22/2022 10:52:52 AM	B92780
Xylenes, Total	ND	0.082		mg/Kg	1	11/22/2022 10:52:52 AM	B92780
Surr: 4-Bromofluorobenzene	93.0	70-130		%Rec	1	11/22/2022 10:52:52 AM	B92780

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

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.		

## Analytical Report

Lab Order 2211C37

Date Reported: 11/30/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EB-14

Project: Mobil CI 9

Collection Date: 11/18/2022 11:10:00 AM

Lab ID: 2211C37-002

Matrix: MEOH (SOIL)

Received Date: 11/22/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	100	60		mg/Kg	20	11/23/2022 4:02:48 AM	71673
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	79	14		mg/Kg	1	11/23/2022 5:43:22 PM	71652
Motor Oil Range Organics (MRO)	210	46		mg/Kg	1	11/23/2022 5:43:22 PM	71652
Surr: DNOP	101	21-129		%Rec	1	11/23/2022 5:43:22 PM	71652
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.9		mg/Kg	1	11/22/2022 11:16:23 AM	G92780
Surr: BFB	85.9	37.7-212		%Rec	1	11/22/2022 11:16:23 AM	G92780
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.020		mg/Kg	1	11/22/2022 11:16:23 AM	B92780
Toluene	ND	0.039		mg/Kg	1	11/22/2022 11:16:23 AM	B92780
Ethylbenzene	ND	0.039		mg/Kg	1	11/22/2022 11:16:23 AM	B92780
Xylenes, Total	ND	0.078		mg/Kg	1	11/22/2022 11:16:23 AM	B92780
Surr: 4-Bromofluorobenzene	90.8	70-130		%Rec	1	11/22/2022 11:16:23 AM	B92780

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

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.		

## Analytical Report

Lab Order 2211C37

Date Reported: 11/30/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW-9

Project: Mobil CI 9

Collection Date: 11/18/2022 11:12:00 AM

Lab ID: 2211C37-003

Matrix: MEOH (SOIL)

Received Date: 11/22/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	170	60		mg/Kg	20	11/23/2022 4:15:08 AM	71673
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	42	15		mg/Kg	1	11/23/2022 6:15:00 PM	71652
Motor Oil Range Organics (MRO)	120	49		mg/Kg	1	11/23/2022 6:15:00 PM	71652
Surr: DNOP	109	21-129		%Rec	1	11/23/2022 6:15:00 PM	71652
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.0		mg/Kg	1	11/22/2022 11:40:05 AM	G92780
Surr: BFB	85.0	37.7-212		%Rec	1	11/22/2022 11:40:05 AM	G92780
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.020		mg/Kg	1	11/22/2022 11:40:05 AM	B92780
Toluene	ND	0.040		mg/Kg	1	11/22/2022 11:40:05 AM	B92780
Ethylbenzene	ND	0.040		mg/Kg	1	11/22/2022 11:40:05 AM	B92780
Xylenes, Total	ND	0.080		mg/Kg	1	11/22/2022 11:40:05 AM	B92780
Surr: 4-Bromofluorobenzene	89.3	70-130		%Rec	1	11/22/2022 11:40:05 AM	B92780

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

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.		

## Analytical Report

Lab Order 2211C37

Date Reported: 11/30/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EB-15

Project: Mobil CI 9

Collection Date: 11/18/2022 11:14:00 AM

Lab ID: 2211C37-004

Matrix: MEOH (SOIL)

Received Date: 11/22/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	61	60		mg/Kg	20	11/23/2022 4:27:29 AM	71673
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	18	14		mg/Kg	1	11/22/2022 2:52:35 PM	71652
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	11/22/2022 2:52:35 PM	71652
Surr: DNOP	97.3	21-129		%Rec	1	11/22/2022 2:52:35 PM	71652
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/22/2022 12:03:46 PM	G92780
Surr: BFB	86.3	37.7-212		%Rec	1	11/22/2022 12:03:46 PM	G92780
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	11/22/2022 12:03:46 PM	B92780
Toluene	ND	0.047		mg/Kg	1	11/22/2022 12:03:46 PM	B92780
Ethylbenzene	ND	0.047		mg/Kg	1	11/22/2022 12:03:46 PM	B92780
Xylenes, Total	ND	0.093		mg/Kg	1	11/22/2022 12:03:46 PM	B92780
Surr: 4-Bromofluorobenzene	89.3	70-130		%Rec	1	11/22/2022 12:03:46 PM	B92780

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

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.		

## Analytical Report

Lab Order 2211C37

Date Reported: 11/30/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WB-22

Project: Mobil CI 9

Collection Date: 11/18/2022 12:24:00 PM

Lab ID: 2211C37-005

Matrix: MEOH (SOIL)

Received Date: 11/22/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	77	60		mg/Kg	20	11/23/2022 4:39:50 AM	71673
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	21	14		mg/Kg	1	11/22/2022 3:24:24 PM	71652
Motor Oil Range Organics (MRO)	49	47		mg/Kg	1	11/22/2022 3:24:24 PM	71652
Surr: DNOP	96.0	21-129		%Rec	1	11/22/2022 3:24:24 PM	71652
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.0		mg/Kg	1	11/22/2022 12:27:21 PM	G92780
Surr: BFB	87.5	37.7-212		%Rec	1	11/22/2022 12:27:21 PM	G92780
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.020		mg/Kg	1	11/22/2022 12:27:21 PM	B92780
Toluene	ND	0.040		mg/Kg	1	11/22/2022 12:27:21 PM	B92780
Ethylbenzene	ND	0.040		mg/Kg	1	11/22/2022 12:27:21 PM	B92780
Xylenes, Total	ND	0.080		mg/Kg	1	11/22/2022 12:27:21 PM	B92780
Surr: 4-Bromofluorobenzene	91.2	70-130		%Rec	1	11/22/2022 12:27:21 PM	B92780

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

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.		



## Analytical Report

Lab Order 2211C37

Date Reported: 11/30/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WW-3A

Project: Mobil CI 9

Collection Date: 11/18/2022 12:20:00 PM

Lab ID: 2211C37-006

Matrix: MEOH (SOIL)

Received Date: 11/22/2022 7:30:00 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	11/23/2022 4:52:10 AM	71673
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	11/22/2022 3:56:02 PM	71652
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/22/2022 3:56:02 PM	71652
Surr: DNOP	99.4	21-129		%Rec	1	11/22/2022 3:56:02 PM	71652
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.0		mg/Kg	1	11/22/2022 12:51:00 PM	G92780
Surr: BFB	88.1	37.7-212		%Rec	1	11/22/2022 12:51:00 PM	G92780
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.020		mg/Kg	1	11/22/2022 12:51:00 PM	B92780
Toluene	ND	0.040		mg/Kg	1	11/22/2022 12:51:00 PM	B92780
Ethylbenzene	ND	0.040		mg/Kg	1	11/22/2022 12:51:00 PM	B92780
Xylenes, Total	ND	0.080		mg/Kg	1	11/22/2022 12:51:00 PM	B92780
Surr: 4-Bromofluorobenzene	92.1	70-130		%Rec	1	11/22/2022 12:51:00 PM	B92780

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

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.		

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2211C37

30-Nov-22

**Client:** EOG  
**Project:** Mobil CI 9

Sample ID: <b>MB-71673</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>71673</b>	RunNo: <b>92788</b>								
Prep Date: <b>11/22/2022</b>	Analysis Date: <b>11/22/2022</b>	SeqNo: <b>3339924</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-71673</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>71673</b>	RunNo: <b>92788</b>								
Prep Date: <b>11/22/2022</b>	Analysis Date: <b>11/22/2022</b>	SeqNo: <b>3339925</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	91.7	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#: 2211C37

30-Nov-22

**Client:** EOG  
**Project:** Mobil CI 9

Sample ID: <b>LCS-71652</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>71652</b>			RunNo: <b>92769</b>						
Prep Date: <b>11/22/2022</b>	Analysis Date: <b>11/22/2022</b>			SeqNo: <b>3338880</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	15	50.00	0	86.3	64.4	127			
Surr: DNOP	5.2		5.000		104	21	129			

Sample ID: <b>MB-71652</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>PBS</b>	Batch ID: <b>71652</b>			RunNo: <b>92769</b>						
Prep Date: <b>11/22/2022</b>	Analysis Date: <b>11/22/2022</b>			SeqNo: <b>3338882</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	10		10.00		103	21	129			

**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#: 2211C37

30-Nov-22

**Client:** EOG  
**Project:** Mobil CI 9

Sample ID: <b>mb</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>PBS</b>	Batch ID: <b>G92780</b>			RunNo: <b>92780</b>						
Prep Date:	Analysis Date: <b>11/22/2022</b>			SeqNo: <b>3339558</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	900		1000		89.6	37.7	212			

Sample ID: <b>2.5ug gro lcs</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>G92780</b>			RunNo: <b>92780</b>						
Prep Date:	Analysis Date: <b>11/22/2022</b>			SeqNo: <b>3339559</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	96.4	72.3	137			
Surr: BFB	1900		1000		186	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#: 2211C37

30-Nov-22

**Client:** EOG  
**Project:** Mobil CI 9

Sample ID: <b>mb</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>B92780</b>	RunNo: <b>92780</b>								
Prep Date:	Analysis Date: <b>11/22/2022</b>	SeqNo: <b>3339600</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	0.94		1.000		93.5	70	130			

Sample ID: <b>100ng btex lcs</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>B92780</b>	RunNo: <b>92780</b>								
Prep Date:	Analysis Date: <b>11/22/2022</b>	SeqNo: <b>3339601</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.025	1.000	0	92.0	80	120			
Toluene	0.94	0.050	1.000	0	94.4	80	120			
Ethylbenzene	0.94	0.050	1.000	0	94.0	80	120			
Xylenes, Total	2.8	0.10	3.000	0	94.4	80	120			
Surr: 4-Bromofluorobenzene	0.94		1.000		93.5	70	130			

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of 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: 2211C37

RcptNo: 1

Received By: Juan Rojas

11/22/2022 7:30:00 AM

Completed By: Sean Livingston

11/22/2022 7:48:20 AM

Reviewed By:

*11-22-22*

*[Signature]*

*[Signature]*

## Chain of Custody

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

2. How was the sample delivered? Courier

## Log In

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

4. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? 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:

( $<2$  or  $>12$  unless noted)

Adjusted?

Checked by: *JN 11/22/22*

## Special Handling (if applicable)

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

Person Notified:

Date:

By Whom:

Via:

☐ eMail

☐ Phone

☐ Fax

☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

## 17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.1	Good				







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)

December 15, 2022

Will Kierdorf

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX:

RE: Mobil 9 PL

OrderNo.: 2212581

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 1 sample(s) on 12/9/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman".

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

## Analytical Report

Lab Order 2212581

Date Reported: 12/15/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW-9

Project: Mobil 9 PL

Collection Date: 12/7/2022 12:00:00 PM

Lab ID: 2212581-001

Matrix: MEOH (SOIL)

Received Date: 12/9/2022 7:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	82	59		mg/Kg	20	12/9/2022 11:48:43 PM	72002
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	21	15		mg/Kg	1	12/12/2022 3:26:17 PM	71978
Motor Oil Range Organics (MRO)	62	50		mg/Kg	1	12/12/2022 3:26:17 PM	71978
Surr: DNOP	109	21-129		%Rec	1	12/12/2022 3:26:17 PM	71978
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.5		mg/Kg	1	12/9/2022 2:51:59 PM	R93146
Surr: BFB	93.5	37.7-212		%Rec	1	12/9/2022 2:51:59 PM	R93146
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.022		mg/Kg	1	12/9/2022 2:51:59 PM	R93146
Toluene	ND	0.045		mg/Kg	1	12/9/2022 2:51:59 PM	R93146
Ethylbenzene	ND	0.045		mg/Kg	1	12/9/2022 2:51:59 PM	R93146
Xylenes, Total	ND	0.090		mg/Kg	1	12/9/2022 2:51:59 PM	R93146
Surr: 4-Bromofluorobenzene	93.6	70-130		%Rec	1	12/9/2022 2:51:59 PM	R93146

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation 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 5

# QC SUMMARY REPORT

**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2212581

15-Dec-22

**Client:** EOG  
**Project:** Mobil 9 PL

Sample ID: <b>MB-72002</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>72002</b>	RunNo: <b>93190</b>								
Prep Date: <b>12/9/2022</b>	Analysis Date: <b>12/9/2022</b>	SeqNo: <b>3357982</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-72002</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>72002</b>	RunNo: <b>93190</b>								
Prep Date: <b>12/9/2022</b>	Analysis Date: <b>12/9/2022</b>	SeqNo: <b>3357983</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.3	90	110			

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of 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#: 2212581

15-Dec-22

**Client:** EOG  
**Project:** Mobil 9 PL

Sample ID: <b>LCS-71978</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>71978</b>			RunNo: <b>93160</b>						
Prep Date: <b>12/9/2022</b>	Analysis Date: <b>12/9/2022</b>			SeqNo: <b>3356394</b>	Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	15	50.00	0	84.7	64.4	127			
Surr: DNOP	5.3		5.000		107	21	129			

Sample ID: <b>MB-71978</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>PBS</b>	Batch ID: <b>71978</b>			RunNo: <b>93160</b>						
Prep Date: <b>12/9/2022</b>	Analysis Date: <b>12/9/2022</b>			SeqNo: <b>3356396</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		113	21	129			

Sample ID: <b>MB-71951</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>PBS</b>	Batch ID: <b>71951</b>			RunNo: <b>93161</b>						
Prep Date: <b>12/8/2022</b>	Analysis Date: <b>12/9/2022</b>			SeqNo: <b>3358851</b>	Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	11		10.00		110	21	129			

Sample ID: <b>LCS-71951</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>71951</b>			RunNo: <b>93161</b>						
Prep Date: <b>12/8/2022</b>	Analysis Date: <b>12/9/2022</b>			SeqNo: <b>3358853</b>	Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.5		5.000		109	21	129			

Sample ID: <b>MB-71961</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>PBS</b>	Batch ID: <b>71961</b>			RunNo: <b>93161</b>						
Prep Date: <b>12/8/2022</b>	Analysis Date: <b>12/9/2022</b>			SeqNo: <b>3358878</b>	Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	11		10.00		112	21	129			

Sample ID: <b>LCS-71961</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>71961</b>			RunNo: <b>93161</b>						
Prep Date: <b>12/8/2022</b>	Analysis Date: <b>12/9/2022</b>			SeqNo: <b>3358879</b>	Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.6		5.000		111	21	129			

**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#: 2212581

15-Dec-22

**Client:** EOG  
**Project:** Mobil 9 PL

Sample ID: <b>mb</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>R93146</b>		RunNo: <b>93146</b>							
Prep Date:	Analysis Date: <b>12/9/2022</b>		SeqNo: <b>3357225</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	900		1000		89.7	37.7	212			

Sample ID: <b>2.5ug gro lcs</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>R93146</b>		RunNo: <b>93146</b>							
Prep Date:	Analysis Date: <b>12/9/2022</b>		SeqNo: <b>3357226</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	93.8	72.3	137			
Surr: BFB	1800		1000		182	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#: 2212581

15-Dec-22

**Client:** EOG  
**Project:** Mobil 9 PL

Sample ID: <b>mb</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>PBS</b>	Batch ID: <b>R93146</b>		RunNo: <b>93146</b>							
Prep Date:	Analysis Date: <b>12/9/2022</b>		SeqNo: <b>3357380</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		92.4	70	130			

Sample ID: <b>100ng btex lcs</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>R93146</b>		RunNo: <b>93146</b>							
Prep Date:	Analysis Date: <b>12/9/2022</b>		SeqNo: <b>3357381</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.025	1.000	0	92.5	80	120			
Toluene	0.95	0.050	1.000	0	94.6	80	120			
Ethylbenzene	0.95	0.050	1.000	0	94.7	80	120			
Xylenes, Total	2.8	0.10	3.000	0	94.7	80	120			
Surr: 4-Bromofluorobenzene	0.95		1.000		95.0	70	130			

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of 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: 2212581

RcptNo: 1

Received By: Juan Rojas

12/9/2022 7:55:00 AM

Completed By: Sean Livingston

12/9/2022 8:38:34 AM

Reviewed By:

*JS 12-9-22*

*Huan G.*

*Seu Lopez*

### 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:

( $<2$  or  $>12$  unless noted)

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

Checked by: *JS 12/9/22*

### Special Handling (if applicable)

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

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

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

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

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

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

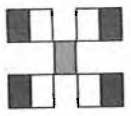
Client Instructions: \_\_\_\_\_

16. Additional remarks:

### 17. Cooler Information

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





HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Turn-Around Time:		<input type="checkbox"/> Standard	<input checked="" type="checkbox"/> Rush 24-hr
Project Name:		MOBILE #9 PL	
Project #:		5375	
Project Manager:		W. Kierdorf	
Sampler:		J. Martinez	
On Ice:		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
# of Coolers:		1	
Cooler Temp (including CF):		0.240.1-0.3	
Container Type and #	Preservative Type	HEAL No.	
1402 Jar	ICE	2212591	
Date	Time	Matrix	Sample Name
12-7-22	1200	Soil	EW-9
Relinquished by:		bedford	
Date:	Time:		
12/8/22	0813		
Relinquished by:		AMMAMMAM	
Date:	Time:		
10/18/08	1100		
Received by:		Via:	Date
AMMAMMAM			12/8/22 813
Received by:		Via:	Date
AMMAMMAM			12/19/22 1:55
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.

## ATTACHMENT 3 – HOWELL RANCH SEED MIXTURE

## **James H & Betty R Howell Revocable Trust Seed Mix**

**1lb per acre of Plains Bristlegrass**

**2lbs per acre of Green Sprangletop**

**3lbs per acre of Side Oats Gramma**

**2lbs per acre of Blue Gramma**

**Increase to 16lbs per acre if broadcast.**

## **Add Reclamation Mix**

**40% Ryegrass (Annual)**

**10% Millet**

**7.5% Kleingrass**

**5.7% Sideoats**

**5% Green Sprangletop**

**7.5% Bristlegrass**

**10% Western Wheatgrass**

**10% Buffalograss**

**2.5% Blue Grama**

**PLANTING RATE 20 lbs. per acre**

**Updated 5/23/2021**

## ATTACHMENT 4 – NMOCD CORRESPONDENCE

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**From:** Tina Huerta <[Tina\\_Huerta@eogresources.com](mailto:Tina_Huerta@eogresources.com)>  
**Sent:** Monday, October 17, 2022 8:49 AM  
**To:** [ocd.enviro@emnrd.nm.gov](mailto:ocd.enviro@emnrd.nm.gov); [blm\\_nm\\_cfo\\_spill@blm.gov](mailto:blm_nm_cfo_spill@blm.gov); Alan & Cheryl  
<[ahowell@pvt.net](mailto:ahowell@pvt.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 9 -Flowline Area (nAPP2223452565) Sampling Notification

Good Morning,

Due to the precipitation this weekend, the below sampling has been rescheduled.

Mobil CI Federal 9 – Flowline Area  
nAPP2223452565

Sampling will begin at 12:00 p.m. on Wednesday, October 19, 2022 and continue through  
Friday, October 21, 2022.

Thank you.





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**From:** Miriam Morales <[Miriam\\_Morales@eogresources.com](mailto:Miriam_Morales@eogresources.com)>  
**Sent:** Tuesday, November 1, 2022 9:20 AM  
**To:** CFO\_Spill, BLM\_NM <[blm\\_nm\\_cfo\\_spill@blm.gov](mailto:blm_nm_cfo_spill@blm.gov)>; Alan & Cheryl <[ahowell@pvt.net](mailto:ahowell@pvt.net)>; [god.enviro@emnrd.nm.gov](mailto:god.enviro@emnrd.nm.gov); 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 #9 Pipeline (nAPP2223452565) Sampling Notification

Good morning,

EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

Mobil CI Federal 9 – Flowline Area  
K-5-19S-25E  
Eddy County, NM  
nAPP2223452565

Sampling will begin at 9:00 a.m. on Thursday, November 3, 2022.

Thank you,

*Miriam Morales*

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From: Tina Huerta <[Tina\\_Huerta@eogresources.com](mailto:Tina_Huerta@eogresources.com)>  
Sent: Tuesday, November 15, 2022 1:28 PM  
To: [ood.enviro@emnrd.nm.gov](mailto:ood.enviro@emnrd.nm.gov); [blm\\_nm\\_cfo\\_spill@blm.gov](mailto:blm_nm_cfo_spill@blm.gov); Alan & Cheryl <[ahowell@pvtm.net](mailto:ahowell@pvtm.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 9 Flowline Area (nAPP2223452565) Sampling Notification Modification

Good Afternoon,

EOG Resources, Inc. respectfully submits a modification to the notification of sampling to be conducted at the below location.

Mobil CI Federal 9 – Flowline Area  
K-5-19S-25E  
Eddy County, NM  
nAPP2223452565

Sampling will begin at 9:00 a.m. on Friday, November 18, 2022 instead of Thursday, November 17, 2022.

Sorry for any inconvenience this may cause.

Thank you,

Tina Huerta  
Regulatory Specialist  
Direct: 575.748.4168  
Cell: 575.703.3121  
Email: [tina\\_huerta@eogresources.com](mailto:tina_huerta@eogresources.com)



## Subject: Mobil CI Federal 9 Flowline Area (nAPP2223452565) Sampling Notification



**Tina Huerta** <Tina\_Huerta@eogresources.com>

8:56 AM (4 hours ago)

to ocd.enviro@emnrd.nm.gov, blm\_nm\_cfo\_spill@blm.gov, Alan & Cheryl, Austin Weyant, Andrea Felix, Katie Jamison, Michael Yemm, Terren

You are viewing an attached message. Rangerenv.com Mail can't verify the authenticity of attached messages.



Good Morning,

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

Mobil CI Federal 9 – Flowline Area  
K-5-19S-25E  
Eddy County, NM  
nAPP2223452565

Sampling will begin at 8:00 a.m. on Wednesday, December 7, 2022.

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 169023

**CONDITIONS**

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 169023
	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 #NAPP2223452565 MOBIL CI FEDERAL #9 - PIPELINE, thank you. This closure is approved.	4/4/2023