



## **SITE ASSESSMENT/CHARACTERIZATION REPORT**

**FEDERAL CM COM #1 (SOUTHERN AREA)  
UNIT M, SECTION 12, TOWNSHIP 19S, RANGE 24E  
EDDY COUNTY, NEW MEXICO  
32.67019, -104.54812  
RANGER REFERENCE NO. 5375**


**PREPARED FOR:**

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

**PREPARED BY:**

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

**JUNE 20, 2022**

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

  
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Project Manager**

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

- Topographic Map
- Area Map
- Water Well Location Map
- National Wetland Inventory Map
- FEMA Floodplain Map
- Karst Topography Map
- Assessment Sample Location Map

**TABLES**

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

**ATTACHMENTS**

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



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UNIT M, SECTION 12, TOWNSHIP 19S, RANGE 24E  
EDDY COUNTY, NEW MEXICO  
32.67019, -104.54812  
RANGER REFERENCE NO. 5375**

## **1.0 SITE LOCATION AND BACKGROUND**

The Federal CM COM #1 (Site) is located on private property, approximately 15 miles southwest of Artesia, within Eddy County, New Mexico. The Site is situated in Unit M, Section 12, T19S-R24E at GPS coordinates 32.67054, -104.54807. On December 9, 2021, Howell Ranch Revocable Trust (Howell Ranch) representatives reported an area of potential impact located south of the former well pad area immediately west of a completed remediated area (NMOCD Incident ID# nAPP2124432801). The information provided was limited to a general area and notes of potential elevated chloride concentrations and lack of vegetation.

EOG Resources, Inc. (EOG) subsequently engaged Ranger Environmental Services, Inc. (Ranger) to assist in the assessment, remediation, and reclamation efforts at the Site. On December 17, 2021, Ranger representatives conducted a preliminary inspection of the reported area. During the inspection of the area, several locations were observed to be lacking vegetation growth and density compared to that of surrounding areas. Based on the observed conditions, Ranger personnel conducted site assessment activities in January 2022, February 2022, and March 2022. Based on the findings of site assessment activities and the apparent size of the impacted area, the incident was reported to the New Mexico Oil Conservation Division (NMOCD) on March 24, 2022 (NMOCD Incident # nAPP2208340165).

This Site Assessment/Characterization Report has been prepared to detail the results of the completed site assessment activities and to characterize the Site for remediation purposes. It should be noted that the depth to groundwater at the Site still must be confirmed via the installation of a soil boring/temporary well since depth to groundwater data for the area within a half-mile radius of the subject site is limited.

The previously submitted Initial C-141 Form Release Notification, as well as the Site Assessment/Characterization sections of Form C-141, are attached. A Topographic Map and Area Map noting the location of the subject Site and surrounding areas, and a Site Map illustrating the Site features and sampling locations, are provided in the Figures section.

## **2.0 SITE CHARACTERIZATION**

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

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

of the Site is limited. Depth-to-groundwater information (>20 years old) was obtained for a well located just outside of the required half-mile radius which documented a depth to groundwater of over 200 feet. Copies of the reviewed depth-to-groundwater information are attached.

Due to the lack of current depth-to-groundwater data within a one-half mile radius of the subject site, and because the depth to groundwater appears to be greater than 100 feet bgs, EOG plans on installing a soil boring/temporary monitor well within a half-mile of the Site in order to obtain site-specific depth-to-groundwater data. The soil boring/temporary monitor well will be installed and left open for approximately 72 hours prior to plugging in order to obtain the needed depth-to-groundwater data.

## **2.2 Wellhead Protection Area**

Based upon data available through the online USGS and NMOSE, no water wells are located within a half-mile of the Site.

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

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

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

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

Based upon available online resources, the closest significant watercourse within a half-mile of the site is Seven Mile Draw, located approximately 660 feet north-northeast of the site.

## **2.4 Regulatory Criteria**

Based on current Site characterization details, remediation activities at the Site would require cleanup to the Table 1 NMAC 19.15.29.12 (depth to groundwater <50') criteria. However, upon completion of the proposed soil boring/temporary well installation process, it is anticipated that Table 1 NMAC 19.15.29.12 (depth to groundwater >100') criteria will be applicable to the Site.

It should be noted that, as a conservative measure, the Table 1 NMAC 19.15.29.12 (depth to groundwater <50') criteria were utilized during the assessment activities completed at the Site to date. However, because the depth to groundwater appears to be well over 100 feet, the soil analytical results in the attached *Soil Sample BTEX (EPA 8021), TPH (SW 8015) & Chloride (EPA 300) Analytical Data* table have been compared to the Table 1 NMAC 19.15.29.12 (depth to groundwater >100') criteria.

Additionally, as the Site location is no longer active, the remediation activities will be conducted to bring the area into compliance with the Restoration, Reclamation and Re-Vegetation criteria detailed in 19.15.29.13 NMAC (Restoration Criteria).

### 3.0 SITE ASSESSMENT

#### 3.1 Initial Site Inspection & Assessment

On December 17, 2021, Ranger personnel mobilized to the Site to conduct an inspection of the area reported by Howell Ranch representatives. During the inspection of the area, several locations were observed to be lacking vegetation growth and density compared to that of surrounding areas. Ranger personnel subsequently returned to the Site on January 5, 2022 to conduct assessment activities in the area of limited vegetative growth.

The January 5, 2022 assessment process included the collection of surface soil samples for both field screening purposes and laboratory analysis. Ranger personnel conducted field screening of the surface soil both in and surrounding the area of limited vegetative growth. The field screening was conducted using an organic vapor monitor (OVM) and a field chloride titration kit. A total of 10 surface soil locations were field screened for potential impacts. Based on the field readings, various locations were noted to likely contain chloride concentrations in excess of the Restoration Criteria. In order to confirm these potential exceedances of the Restoration Criteria, soil samples for laboratory analysis were collected from seven of the 10 field screening locations.

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

Upon review of the laboratory analytical results, two of the seven samples selected for laboratory analysis were documented to have chloride concentrations in exceedance of the applicable Restoration Criteria.

#### 3.2 January-March 2022 Site Assessment Activities

From January 31, 2022 through March 3, 2022, Ranger personnel and representatives for EOG conducted additional assessment of the reported area. The assessment process included the installation of test excavations with the collection of soil samples for laboratory analysis. To assess the Site conditions, a total of nine test excavations/sample points were completed. The test excavations were completed to depths where field readings indicated that acceptable soil concentrations had been encountered, or to the maximum depth of the on-site equipment.

During the test excavation installation process, Ranger personnel conducted field screening of the generated soils using an OVM and a field chloride titration kit. The field screening results were used to help guide the assessment process, including the number, location and depths of the test excavations, and intervals to be sampled for confirmatory laboratory analysis. The field chloride titrations indicated that elevated soil chloride concentrations were present in six of the test excavation locations. No elevated OVM readings were encountered in the completed test excavation locations.

Ranger personnel collected multiple soil samples from each test excavation location for laboratory analysis purposes. A total of 20 soil samples were submitted to Hall Environmental in Albuquerque, New Mexico for analysis of TPH, BTEX, and total chloride using the aforementioned



laboratory methods. The samples were collected and managed using standard QA/QC and chain-of-custody procedures.

Upon review of the field screening and laboratory analytical results, several areas of elevated chloride concentrations were documented, and various samples were found to exceed the most stringent NMAC 19.15.29 Table 1 criteria. Samples collected from eight of the test excavations were documented to contain chloride concentrations in exceedance of the Restoration Criteria. However, all sample results from depths of four feet and greater were documented to be well below the Table 1 NMAC 19.15.29.12 (depth to groundwater >100') criteria.

An *Assessment Sample Location Map* is attached which depicts the locations of the completed test excavations. The soil sample analytical results are summarized in the attached soil analytical table. Copies of the laboratory analytical reports are also attached.

### **3.3 Proposed Depth-to-Groundwater Investigation**

As summarized in Section 2.1, due to the lack of current depth-to-groundwater data within a one-half mile radius of the Site, and because it appears that the depth to groundwater is likely greater than 100 feet bgs, EOG plans on installing a soil boring/temporary monitor well within a half-mile of the Site in order to obtain the needed depth-to-groundwater data. The soil boring/temporary monitor well will be installed and completed to a depth of approximately 105' bgs. Upon completion, the soil boring/temporary monitor well will be left open for approximately 72 hours in order to obtain the depth to groundwater data. The temporary well will then be properly plugged and abandoned.

Ranger notes that if the depth to groundwater at the Site is found to be different than that assumed in this report (>100 feet bgs), then the site analytical results will be reevaluated using the appropriate 19.15.29.12 NMAC Table 1 Closure Criteria. Additionally, in the event that the depth to groundwater is found to be less than 100 feet bgs, additional vertical delineation activities will be completed in accordance with NMAC 19.15.29.11(A)(5)(c).

## **4.0 PROPOSED REMEDIATION PLAN**

Upon completion of the proposed depth-to-groundwater investigation, a Remediation Plan designed to bring the site into compliance with the appropriate 19.15.29.12 NMAC Table 1 Closure Criteria will be prepared and submitted for NMOCD approval.

## **5.0 SCHEDULE**

The installation of the proposed soil boring/temporary monitor well is currently being coordinated. An updated Site Assessment/Characterization Report and Remediation Plan will be prepared following completion of the proposed depth-to-groundwater investigation. It is estimated that the updated Site Assessment/Characterization Report and Remediation Plan can be prepared and submitted 30 days after the completion of the proposed depth-to-groundwater investigation.

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	nAPP2208340165
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 # nAPP2208340165
Contact mailing address 104 S. 4th Street, Artesia, NM 88210	

### Location of Release Source

Latitude 32.67019 Longitude -104.54812  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Federal CM Com #1 - Southern Area	Site Type Pipeline
Date Release Discovered 03/23/2022	API# 30-015-20800

Unit Letter	Section	Township	Range	County
M	12	19S	24E	Eddy

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

### Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 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 A notice was submitted by the landowner for an area south of the previously reclaimed well pad, and west of previously remediated area, that appeared to be impacted. The consultant retained to investigate the area provided notice that it most likely meets reportable criteria on 3/23/2022, based on the initial delineation assessment that has been completed to date.



Incident ID	nAPP2208340165
District RP	
Facility ID	
Application ID	

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

### Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Chase Settle</u>	Title: <u>Rep Safety &amp; Environmental Sr</u>
Signature: <u>Chase Settle</u>	Date: <u>03/24/2022</u>
email: <u>Chase_Settle@eogresources.com</u>	Telephone: <u>575-748-1471</u>
<b><u>OCD Only</u></b>	
Received by: <u>Jocelyn Harimon</u>	Date: <u>03/24/2022</u>

Incident ID	
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?	_____ (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input 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 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 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 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 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 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 type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input 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.

State of New Mexico  
Oil Conservation Division

Page 4

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

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

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

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

**OCD Only**

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

Incident ID	
District RP	
Facility ID	
Application ID	

## 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: \_\_\_\_\_ Title: \_\_\_\_\_

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

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

**OCD Only**

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

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

## Closure

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

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

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

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

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

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

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

**OCD Only**

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

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

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

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

**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 92911

**CONDITIONS**

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 92911
	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	3/24/2022

Incident ID	nAPP2208340165
District RP	
Facility ID	
Application ID	

## Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release? *\*The depth to groundwater still has to be confirmed via the installation of a temporary monitoring well. This plan has been submitted based upon the assumption that the depth to groundwater is greater than 100'. EOG will be proceeding with the installation of the temporary monitor well in order to confirm the site-specific depth to groundwater.*

>100' (ft bgs)

Did this release impact groundwater or surface water?

☐ Yes ☒ No

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

☒ Yes ☐ No

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

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

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

*\*This data will be garnered through the installation of a temporary monitoring well at the subject site.*

## Oil Conservation Division

Incident ID	nAPP2208340165
District RP	
Facility ID	
Application ID	

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

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

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

Signature: Chase Settle Date: 06/21/2022

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

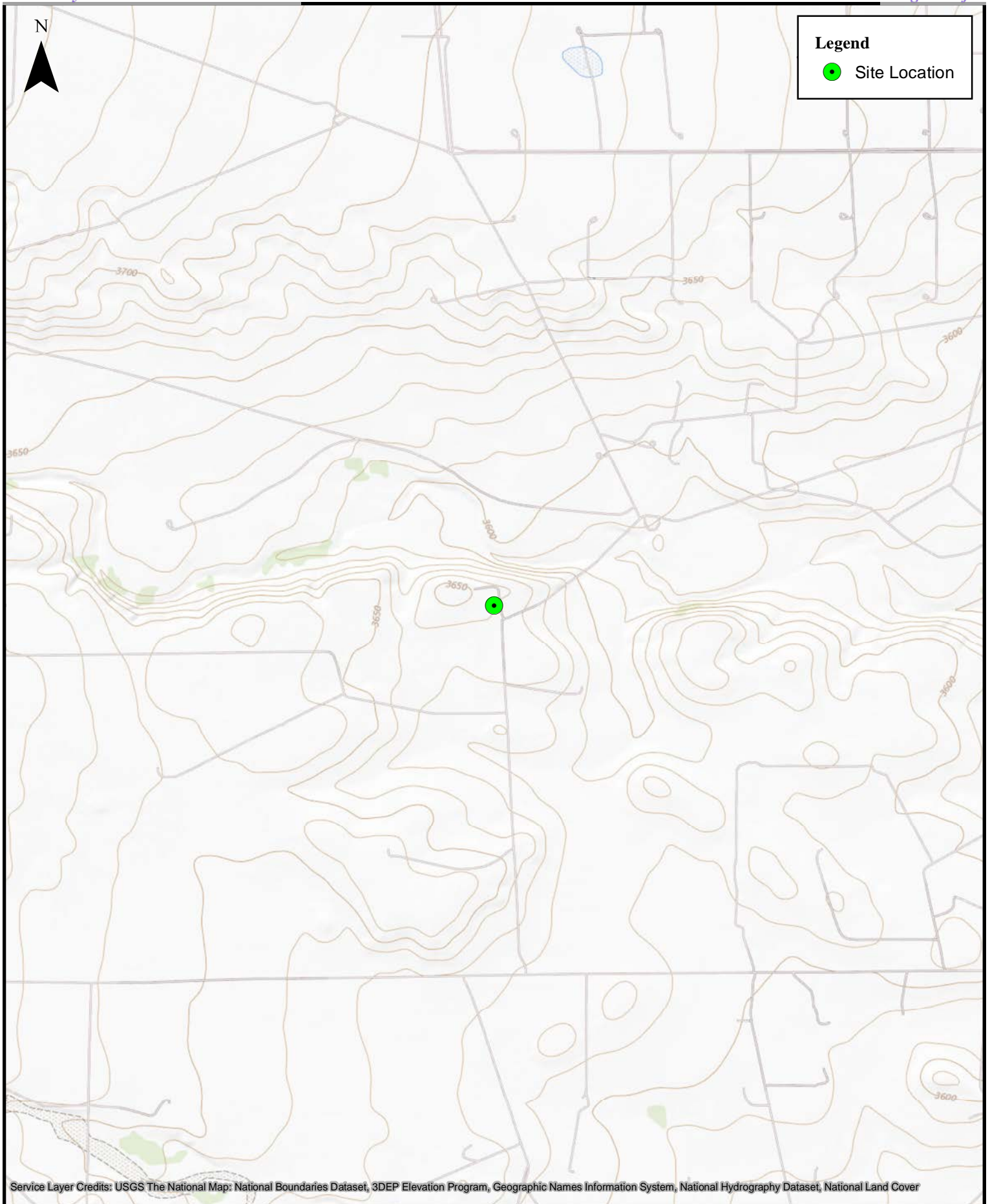
**OCD Only**

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



## FIGURES

Topographic Map  
Area Map  
Water Well Location Map  
National Wetland Inventory Map  
FEMA Floodplain Map  
Karst Topography Map  
Assessment Sample Location Map



Service Layer Credits: USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover

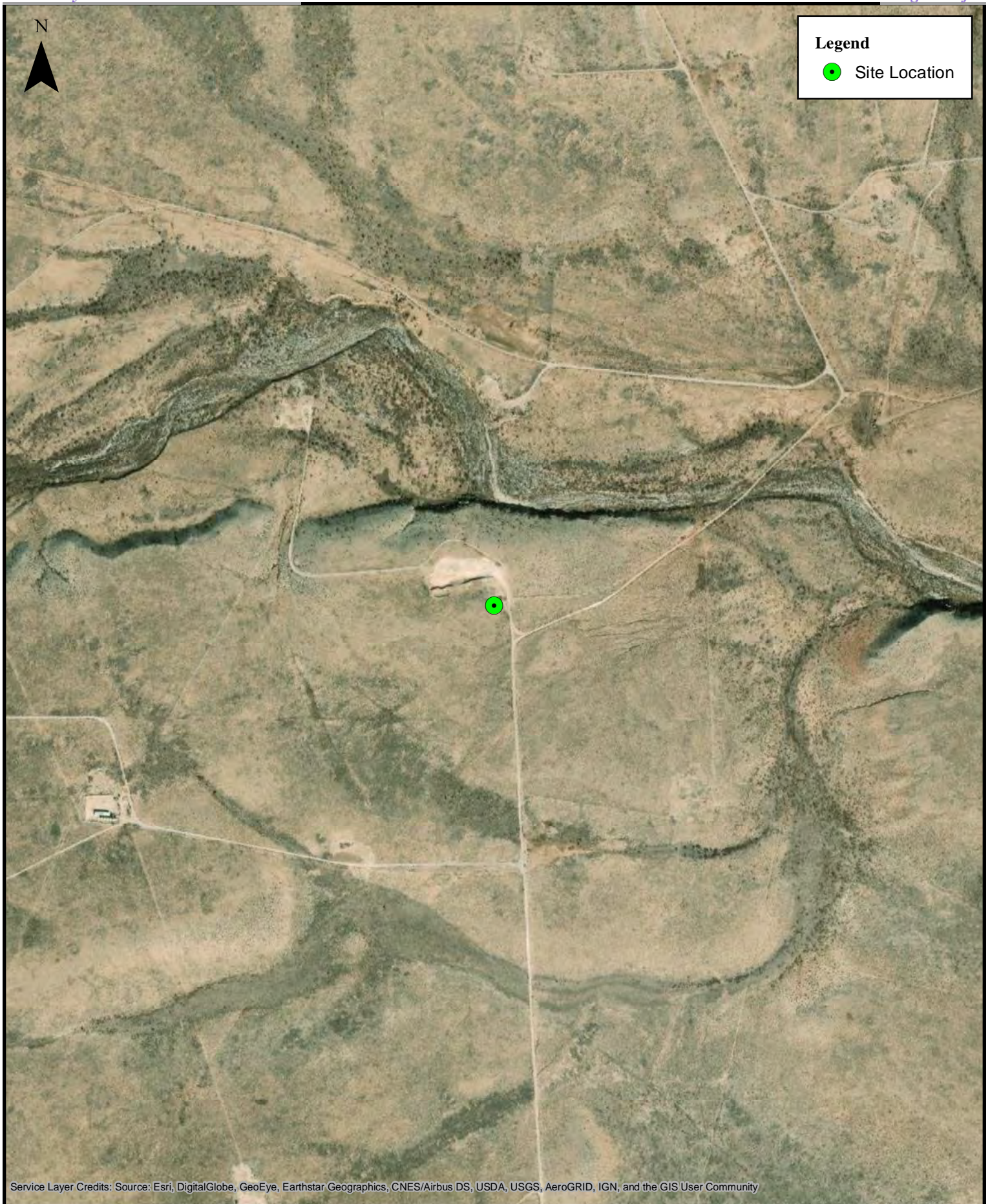


0 600 1,200 2,400 3,600 4,800 Feet

1:24,000

**Topographic Map**  
Federal CM #1 (Southern Area)  
EOG Resources, Inc.

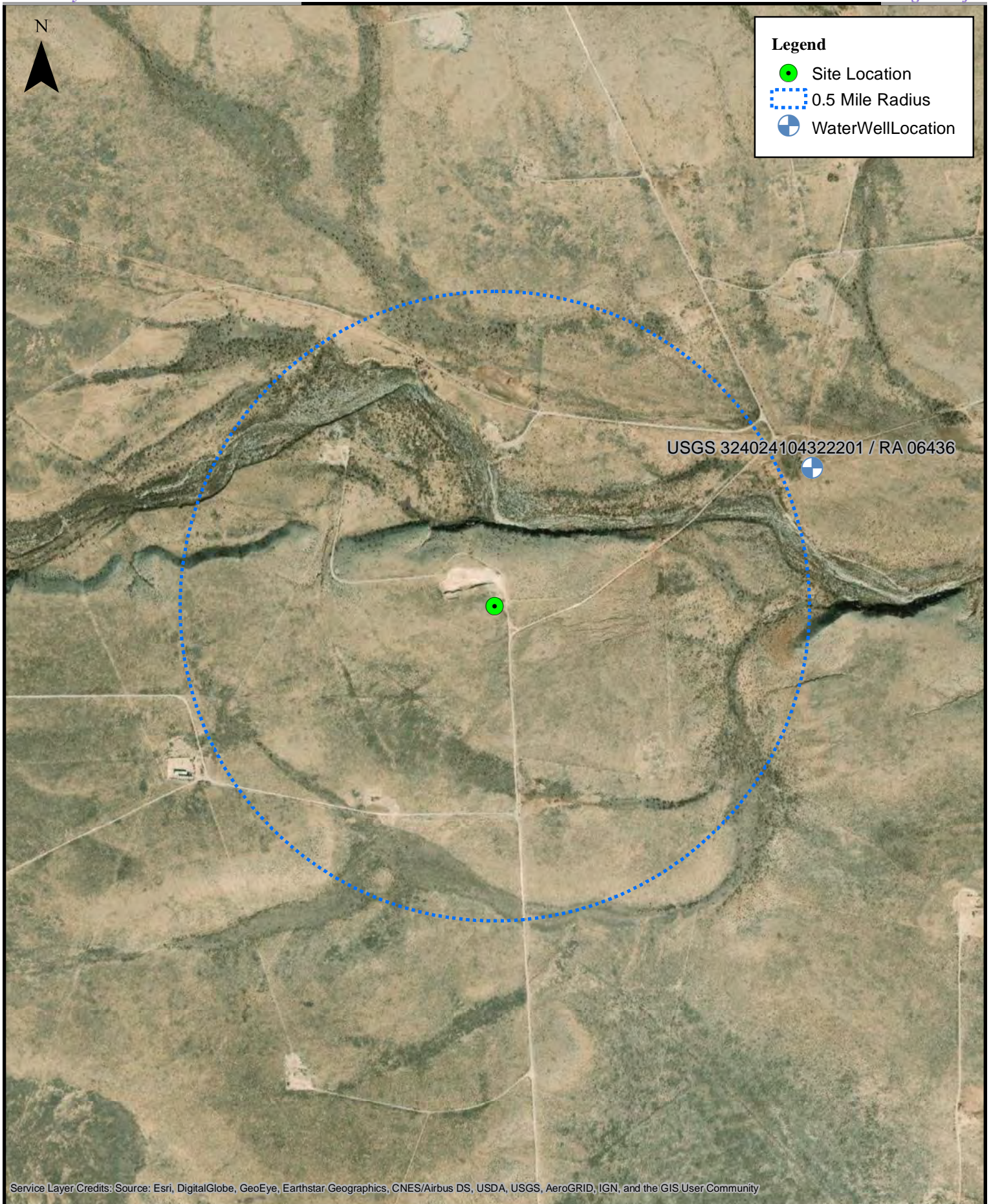




0 250 500 1,000 1,500 2,000 Feet  
1:10,000

**Area Map**  
Federal CM #1 (Southern Area)  
EOG Resources, Inc.

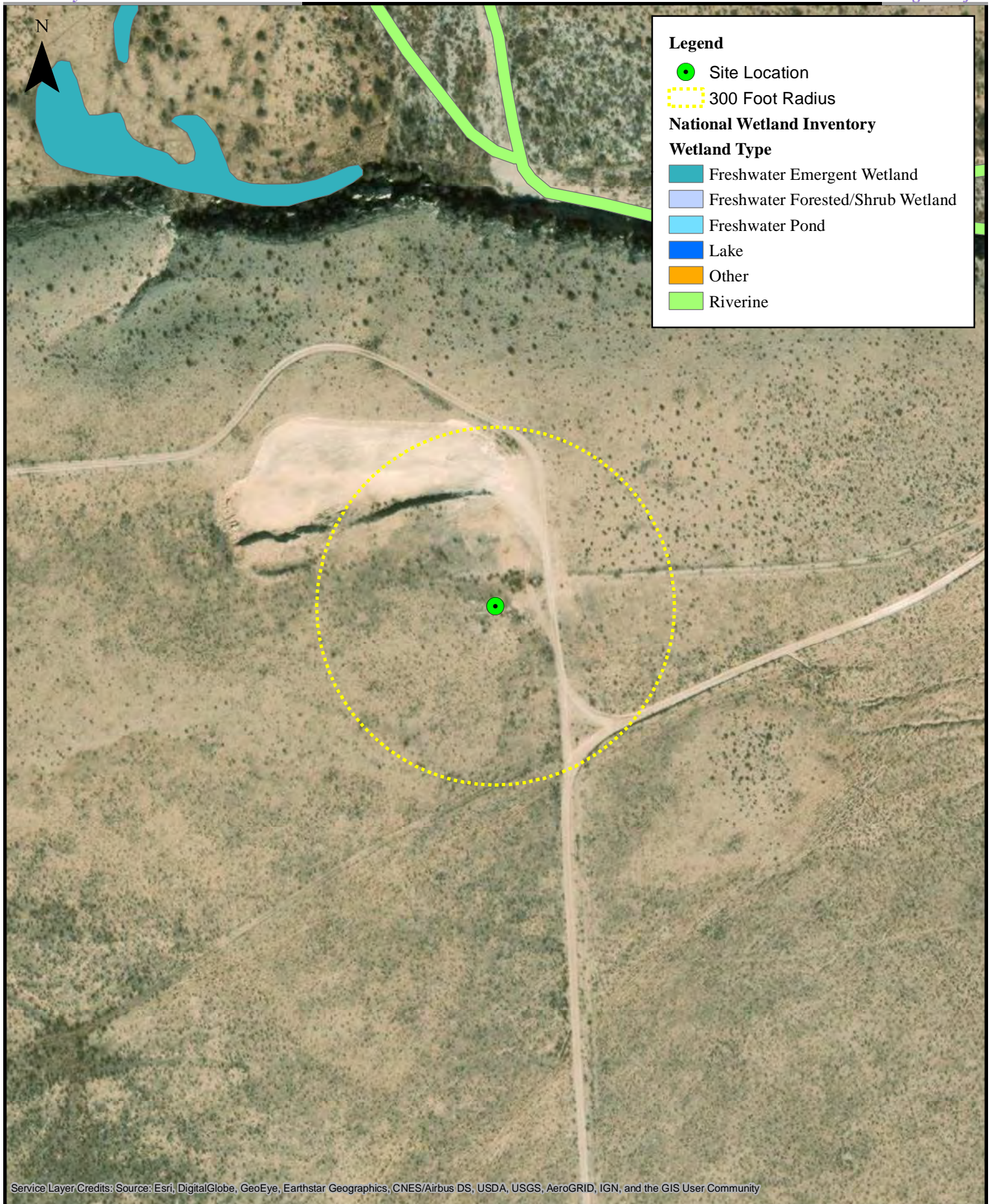




0 312.5 625 1,250 1,875 2,500 Feet  
1:12,500

**Water Well Location Map**  
Federal CM #1 (Southern Area)  
EOG Resources, Inc.

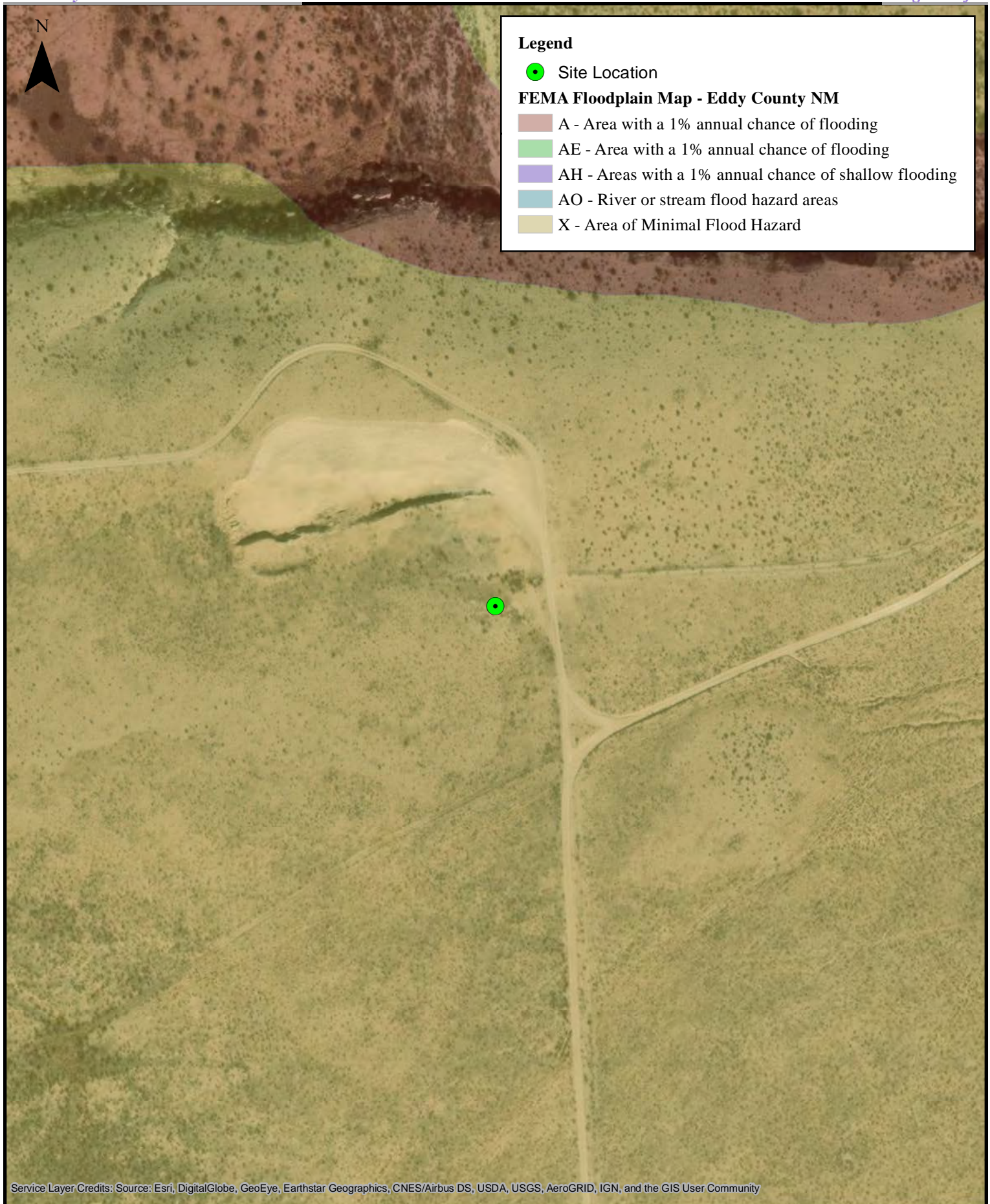




0 62.5 125 250 375 500 Feet  
1:2,500

**National Wetland Inventory Map**  
Federal CM #1 (Southern Area)  
EOG Resources, Inc.

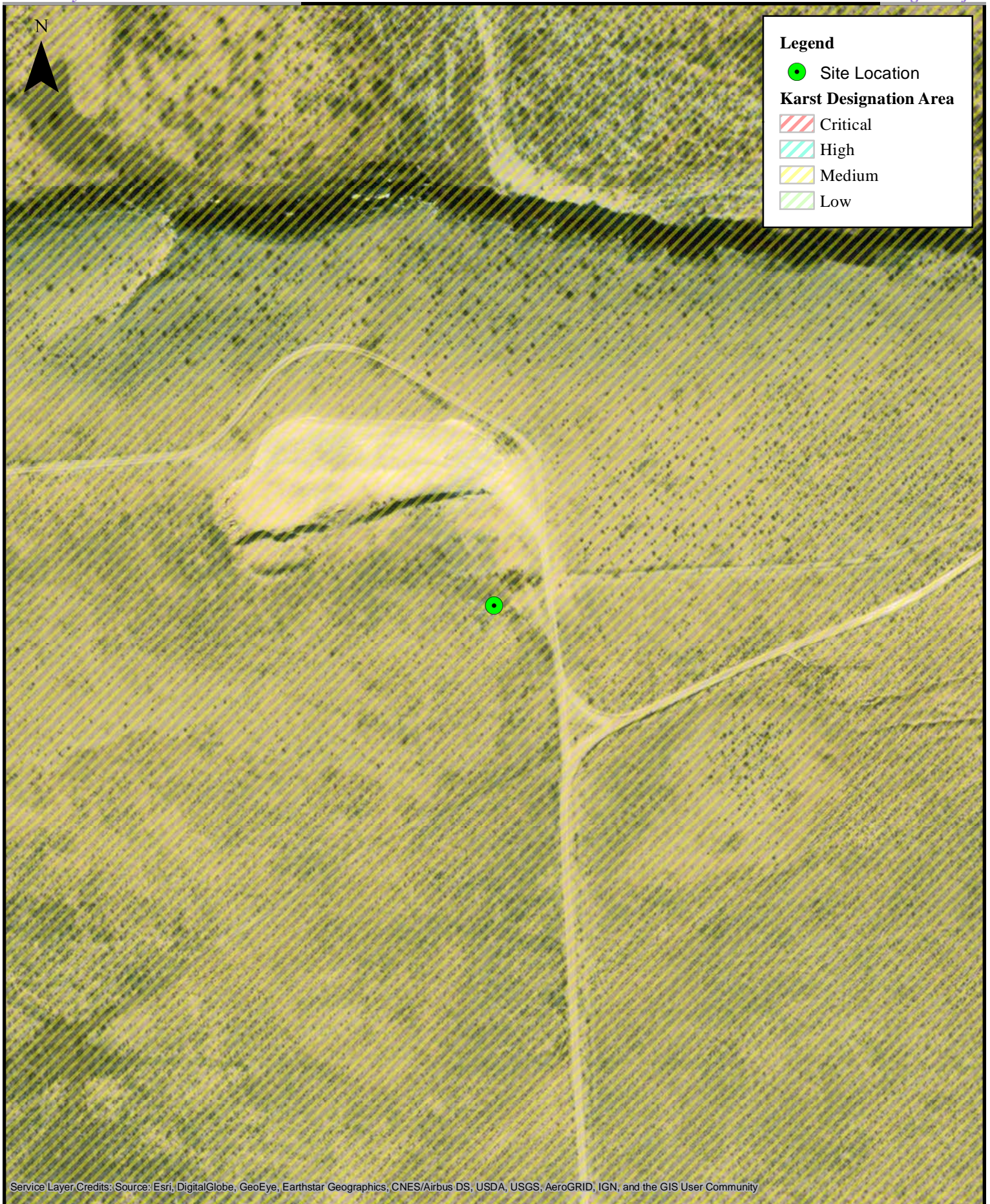




0 62.5 125 250 375 500 Feet  
1:2,500

**National Wetland Inventory Map**  
Federal CM #1 (Southern Area)  
EOG Resources, Inc.

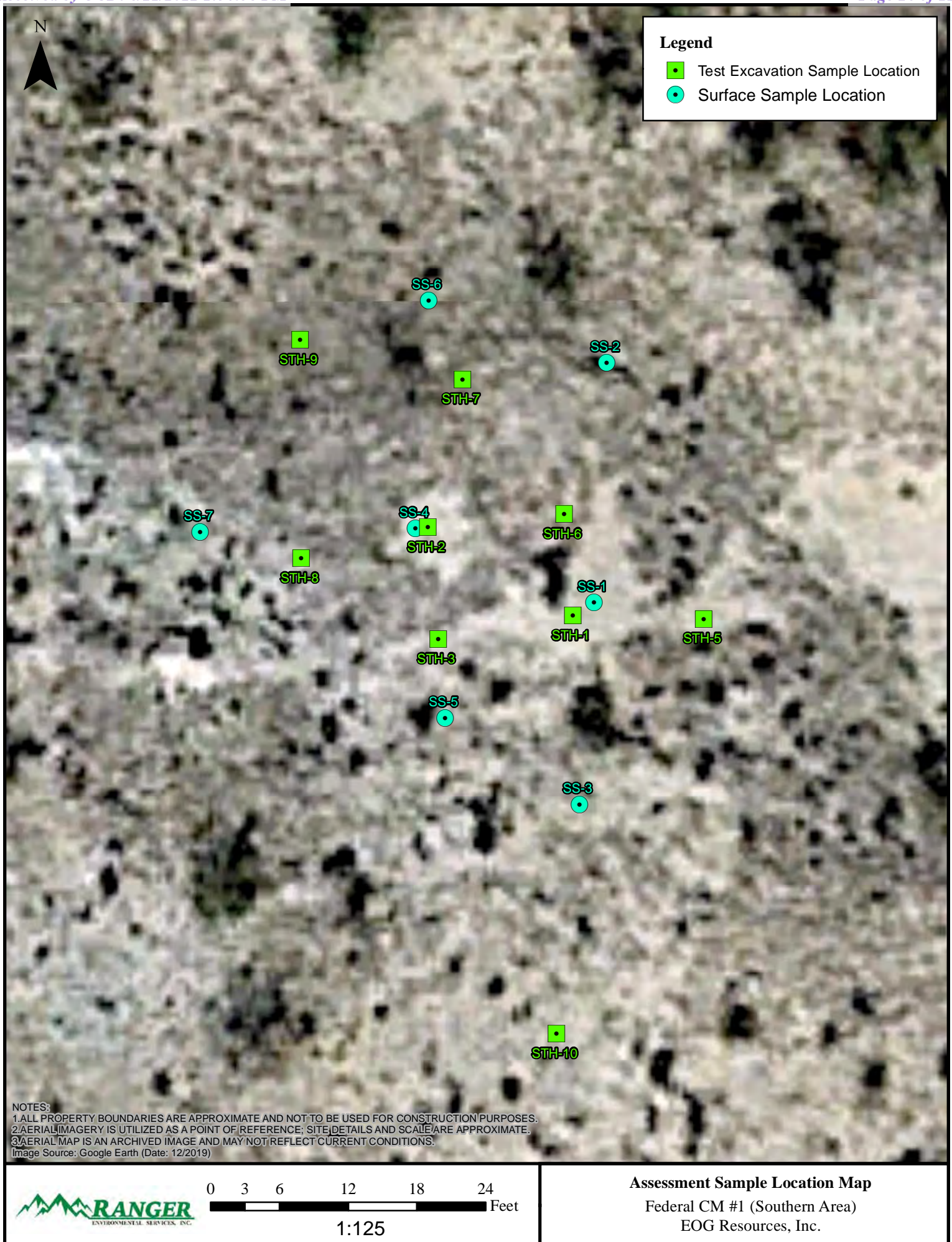




0 62.5 125 250 375 500 Feet  
1:2,500

**Karst Topography Map**  
Federal CM #1 (Southern Area)  
EOG Resources, Inc.







## TABLES

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

SOIL SAMPLE BTEX (EPA 8021), TPH (SW 8015) & CHLORIDE (EPA 300) ANALYTICAL DATA EOG RESOURCES, INC. FEDERAL CM COM #1 (SOUTHERN AREA)													
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
<i>January 5, 2022 - Surface Soil Samples</i>													
SS-1	1/5/2022	0'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.9	97	<9.9	97	<b>6,700</b>
SS-2	1/5/2022	0'	<0.023	<0.047	<0.047	<0.093	<0.09	<4.7	<9.3	<46	<9.3	<46	<60
SS-3	1/5/2022	0'	<0.023	<0.047	<0.047	<0.093	<0.09	<4.7	<9.9	<49	<9.9	<49	<60
SS-4	1/5/2022	0'	<0.023	<0.046	<0.046	<0.093	<0.09	<4.6	24	74	24	98	<b>2,900</b>
SS-5	1/5/2022	0'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<9.8	<49	<9.8	<49	<60
SS-6	1/5/2022	0'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.5	<48	<9.5	<48	<59
SS-7	1/5/2022	0'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.9	<50	<9.9	<50	<60
<i>Test Excavation Soil Samples</i>													
STH-1/5	2/1/2022	5'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<9.5	<47	<9.5	<47	1,300
STH-1/14	2/1/2022	14'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	26	<50	26	26	710
STH-2/9	2/2/2022	9'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<10	<50	<10	<50	4,900
STH-2/14	2/2/2022	14'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	120	170	120	290	5,600
STH-3/13	3/3/2022	13'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<9.9	<50	<9.9	<50	2,600
STH-3/19	3/3/2022	19'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.6	<48	<9.6	<48	700
STH-5/4	3/3/2022	5'	<0.023	<0.047	<0.047	<0.093	<0.09	<4.7	<9.9	<50	<9.9	<50	750
STH-5/7	3/3/2022	7'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.7	<48	<9.7	<48	370
STH-6/3	3/3/2022	3'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.3	<46	<9.3	<46	<b>710</b>
STH-6/6	3/3/2022	6'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.5	<48	<9.5	<48	280
STH-7/3	3/3/2022	3'	<0.023	<0.047	<0.047	<0.094	<0.09	<4.7	<9.0	<45	<9.0	<45	<b>1,800</b>
STH-7/6	3/3/2022	6'	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	<9.6	<48	<9.6	<48	150
STH-8/10	3/3/2022	10'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.7	<49	<9.7	<49	2,500
STH-8/17	3/3/2022	17'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<8.9	<44	<8.9	<44	4,100
STH-8/19	3/3/2022	19'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.4	<47	<9.4	<47	2,900
STH-9/1	3/3/2022	1'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<9.7	<49	<9.7	<49	<60
STH-9/4	3/3/2022	4'	<0.023	<0.047	<0.047	<0.094	<0.09	<4.7	<9.2	<46	<9.2	<46	620
STH-10/1	3/3/2022	1'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	25	52	25	77	<b>1,200</b>
STH-10/4	3/3/2022	4'	<0.023	<0.046	<0.046	<0.092	<0.09	<4.6	<9.4	<47	<9.4	<47	420
19.15.29.12 NMAC Table 1 Closure Criteria for Soils Impacted by a Release (GW >100')			10	---	---	---	50	---	---	---	1,000	2,500	20,000
19.15.29.13 NMAC Reclamation Criteria (0'-4' Soils Only)			10 <sup>3</sup>	---	---	---	50 <sup>3</sup>	---	---	---	---	100 <sup>3</sup>	600
Notes:													
1. Results exceeding the Table 1 Closure Criteria are presented in bold type and are highlighted yellow.													
2. Results exceeding the NMAC Restoration, Reclamation and re-vegetation chloride concentration requirements are presented in bold red type.													
3. Value derived from the State of New Mexico Energy, Minerals and Natural Resources Department document Procedures for the Implementation of the Spill Rule (19.15.29 NMAC) dated September 6, 2019.													

# ATTACHMENT 1 – DEPTH-TO-GROUNDWATER DATA



# New Mexico Office of the State Engineer

## Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

<b>Well Tag</b>	<b>POD Number</b>	<b>Q64 Q16 Q4</b>	<b>Sec</b>	<b>Tws</b>	<b>Rng</b>	<b>X</b>	<b>Y</b>
	RA 06436	3 1 4	12	19S	24E	543083	3615122*



**Driller License:** 406 **Driller Company:** TIDWELL, CLYDE J.

**Driller Name:**

<b>Drill Start Date:</b> 01/30/1979	<b>Drill Finish Date:</b> 02/04/1979	<b>Plug Date:</b>
<b>Log File Date:</b> 02/04/1979	<b>PCW Rev Date:</b>	<b>Source:</b> Shallow
<b>Pump Type:</b>	<b>Pipe Discharge Size:</b>	<b>Estimated Yield:</b>
<b>Casing Size:</b>	<b>Depth Well:</b>	<b>Depth Water:</b> 300 feet

<b>Meter Number:</b> 4261	<b>Meter Make:</b> MCCROMETER
<b>Meter Serial Number:</b> 13-01326-13	<b>Meter Multiplier:</b> 100.0000
<b>Number of Dials:</b> 6	<b>Meter Type:</b> Diversion
<b>Unit of Measure:</b> Gallons	<b>Return Flow Percent:</b>
<b>Usage Multiplier:</b>	<b>Reading Frequency:</b> Quarterly

### Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
01/11/2000	2000	0	A	RPT		0	
07/11/2000	2000	0	A	RPT		0	
10/11/2000	2000	0	A	RPT		0	
01/03/2001	2000	0	A	RPT		0	
04/09/2001	2001	0	A	RPT		0	
07/09/2001	2001	0	A	RPT	not water used this quater	0	
01/23/2002	2001	16020	A	RPT		0	
04/04/2002	2002	16020	A	RPT		0	
07/06/2002	2002	23670	A	RPT		0.023	
10/09/2002	2002	26528	A	RPT		0.009	
01/14/2003	2002	32468	A	RPT		0.018	
04/16/2003	2003	35292	A	RPT		0.009	
08/18/2003	2003	53990	A	tw		0.057	
10/28/2003	2003	57574	A	tw		0.011	
01/08/2004	2004	57574	A	tw		0	
04/15/2004	2004	61694	A	sj		0.013	
07/06/2004	2004	61694	A	sj		0	
10/02/2004	2004	92200	A	sj		0.094	
01/10/2005	2004	108867	A	sj		0.051	
04/11/2005	2005	109923	A	RPT		0.003	
07/09/2005	2005	112043	A	RPT		0.007	
10/04/2005	2005	116328	A	RPT		0.013	
12/31/2005	2005	129760	A	ch		0.041	
02/27/2006	2006	140575	A	ch		0.033	
03/01/2006	2006	0	A	RPT	Initial reading	0	

07/07/2006	2006	29996	A	RPT	9.205
10/02/2006	2006	44829	A	RPT	4.552
04/10/2007	2007	52670	A	RPT	2.406
07/09/2007	2007	55001	A	RPT	0.715
10/10/2007	2007	55501	A	RPT	0.153
01/08/2008	2007	57425	A	RPT	0.590
04/08/2008	2008	58751	A	RPT	0.407
07/08/2008	2008	61160	A	RPT	0.739
10/09/2008	2008	61589	A	RPT	0.132
01/08/2009	2008	62400	A	RPT	0.249
01/01/2010	2009	65837	A	RPT	1.055
10/05/2011	2011	20693	A	RPT Final reading/Temp Meter	6.350
10/05/2011	2011	0	A	RPT Initial reading/Temp meter	0
10/05/2011	2011	70831	A	RPT	1.533
07/09/2012	2012	2376	A	RPT Temp Meter/Initial Reading	0
07/09/2012	2012	6707	A	RPT Temp Meter/Final Reading	1.329
05/08/2013	2013	70831	A	RPT Old Meter Reinstalled/New read	0
05/08/2013	2013	84373	A	RPT	4.156
07/10/2013	2013	84727	A	RPT	0.109
10/01/2013	2013	85221	A	RPT	0.152
01/01/2014	2013	243320	R	RPT Corrected reading	48.519
04/01/2014	2014	244217	A	RPT Corrected reading	0.275
07/01/2014	2014	271687	A	RPT	8.430
10/01/2014	2014	304194	A	RPT	9.976
07/01/2015	2015	344217	A	RPT	12.283
10/08/2015	2015	344217	A	RPT	0
01/01/2016	2016	344217	A	ap	0
04/01/2016	2016	344217	A	ap	0
07/01/2016	2016	344217	A	ap	0
10/01/2016	2016	344217	A	ap	0
01/01/2017	2017	344217	A	ap	0
04/04/2017	2017	181180	A	ap newmeterstartedw/181180	0
07/06/2017	2017	236029	A	ap	16.833
10/06/2017	2017	257069	A	ap	6.457
01/03/2018	2018	289625	A	ap	9.991
04/01/2018	2018	289625	A	ap	0
07/01/2018	2018	289625	A	ap	0
10/01/2018	2018	289625	A	RPT	0
01/01/2019	2019	289625	A	RPT	0
04/01/2019	2019	289625	A	RPT	0
07/01/2019	2019	289625	A	RPT	0
10/01/2019	2019	289734	A	RPT	0.033
01/01/2020	2020	289734	A	RPT	0
10/01/2020	2020	323186	A	RPT	10.266
01/01/2021	2020	323186	A	RPT	0
07/01/2021	2021	337019	A	WEB	4.245 X

x

**\*\*YTD Meter Amounts:**

Year	Amount
2000	0
2001	0

2002	0.050
2003	0.077
2004	0.158
2005	0.064
2006	13.790
2007	3.864
2008	1.527
2009	1.055
2010	0
2011	7.883
2012	1.329
2013	52.936
2014	18.681
2015	12.283
2016	0
2017	23.290
2018	9.991
2019	0.033
2020	10.266
2021	4.245

---

x

\*UTM location was derived from PLSS - see Help

---

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

---

8/3/21 10:08 AM

POINT OF DIVERSION SUMMARY



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[Contact USGS](#)  
[Search USGS](#)

## National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater



Geographic Area:

United States



GO

Click to hide News Bulletins

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

Groundwater levels for the Nation

\* IMPORTANT: [Next Generation Station Page](#)

## Search Results -- 1 sites found

site\_no list =

- 324024104322201

Minimum number of levels = 1

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

## USGS 324024104322201 19S.24E.12.413200

Available data for this site

Groundwater: Field measurements



GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°40'24", Longitude 104°32'22" NAD27

Land-surface elevation 3,589 feet above NGVD29

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

This well is completed in the Artesia Group (313ARTS) local aquifer.

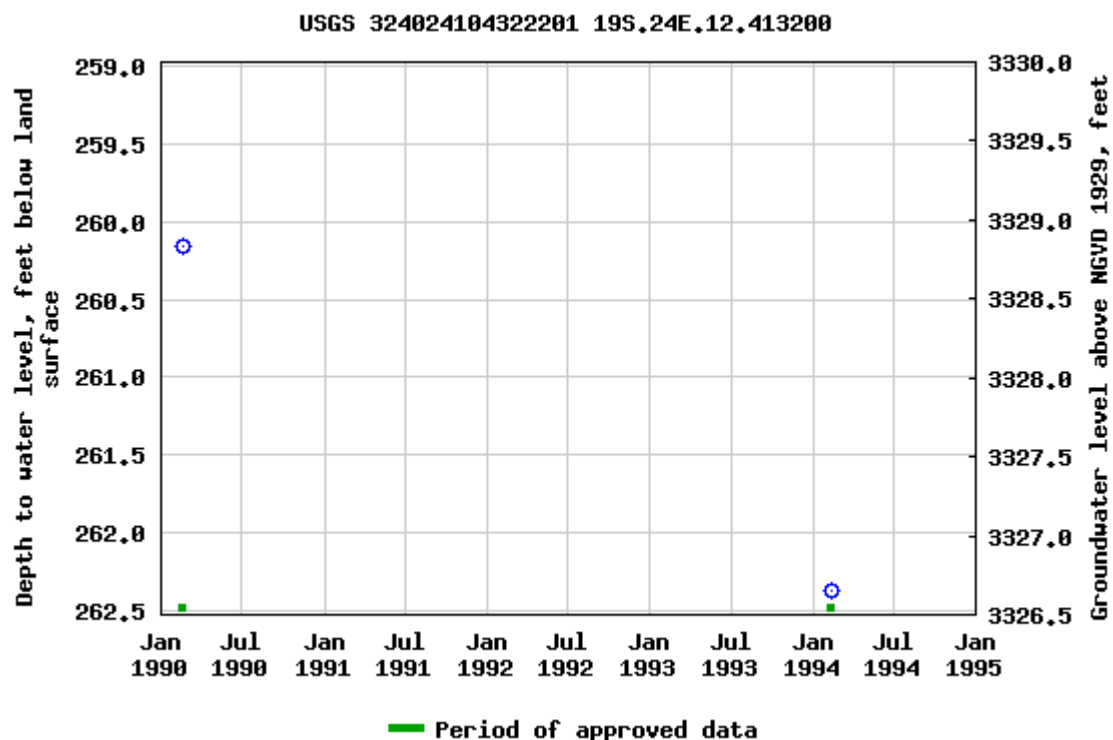
### Output formats

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[Tab-separated data](#)

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

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

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

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

Page Last Modified: 2021-08-03 12:12:21 EDT

0.71 0.63 nadww01





## ATTACHMENT 2 – PHOTOGRAPHIC DOCUMENTATION



**PHOTOGRAPH NO. 1 – A view of the reported area south of the well pad boundary during the January 5, 2022 site inspection. The view is towards the north.**  
(Approximate GPS: 32.670109, -104.548088)



**PHOTOGRAPH NO. 2 – A view of the assessment activities on March 3, 2022. The view is towards the west.**  
(Approximate GPS: 32.670194, -104.548026)

## ATTACHMENT 3 – LABORATORY ANALYTICAL REPORTS



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

January 14, 2022

Will Kierdorf

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX:

RE: Federal CM 1

OrderNo.: 2201269

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 16 sample(s) on 1/7/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](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 2201269

Date Reported: 1/14/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WHS-3

Project: Federal CM 1

Collection Date: 1/5/2022 8:38:00 AM

Lab ID: 2201269-001

Matrix: SOIL

Received Date: 1/7/2022 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	1/11/2022 4:36:45 PM	64966
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: JME
Diesel Range Organics (DRO)	41	9.4		mg/Kg	1	1/13/2022 5:03:16 PM	64911
Motor Oil Range Organics (MRO)	160	47		mg/Kg	1	1/13/2022 5:03:16 PM	64911
Surr: DNOP	79.8	70-130		%Rec	1	1/13/2022 5:03:16 PM	64911
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/10/2022 5:10:00 PM	64908
Surr: BFB	95.9	70-130		%Rec	1	1/10/2022 5:10:00 PM	64908
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	1/10/2022 5:10:00 PM	64908
Toluene	ND	0.048		mg/Kg	1	1/10/2022 5:10:00 PM	64908
Ethylbenzene	ND	0.048		mg/Kg	1	1/10/2022 5:10:00 PM	64908
Xylenes, Total	ND	0.096		mg/Kg	1	1/10/2022 5:10:00 PM	64908
Surr: 4-Bromofluorobenzene	84.6	70-130		%Rec	1	1/10/2022 5:10:00 PM	64908

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

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

Page 1 of 21

## Analytical Report

Lab Order 2201269

Date Reported: 1/14/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WHS-4

Project: Federal CM 1

Collection Date: 1/5/2022 9:33:00 AM

Lab ID: 2201269-002

Matrix: SOIL

Received Date: 1/7/2022 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	1/11/2022 5:13:48 PM	64966
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	19	9.6		mg/Kg	1	1/12/2022 10:54:05 AM	64911
Motor Oil Range Organics (MRO)	74	48		mg/Kg	1	1/12/2022 10:54:05 AM	64911
Surr: DNOP	86.3	70-130		%Rec	1	1/12/2022 10:54:05 AM	64911
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/10/2022 5:29:00 PM	64908
Surr: BFB	88.3	70-130		%Rec	1	1/10/2022 5:29:00 PM	64908
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	1/10/2022 5:29:00 PM	64908
Toluene	ND	0.048		mg/Kg	1	1/10/2022 5:29:00 PM	64908
Ethylbenzene	ND	0.048		mg/Kg	1	1/10/2022 5:29:00 PM	64908
Xylenes, Total	ND	0.097		mg/Kg	1	1/10/2022 5:29:00 PM	64908
Surr: 4-Bromofluorobenzene	79.5	70-130		%Rec	1	1/10/2022 5:29:00 PM	64908

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

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

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## Analytical Report

Lab Order 2201269

Date Reported: 1/14/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WHS-5

Project: Federal CM 1

Collection Date: 1/5/2022 9:35:00 AM

Lab ID: 2201269-003

Matrix: SOIL

Received Date: 1/7/2022 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	1/11/2022 5:50:49 PM	64966
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	1/12/2022 11:04:35 AM	64911
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	1/12/2022 11:04:35 AM	64911
Surr: DNOP	78.5	70-130		%Rec	1	1/12/2022 11:04:35 AM	64911
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/10/2022 5:49:00 PM	64908
Surr: BFB	93.8	70-130		%Rec	1	1/10/2022 5:49:00 PM	64908
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	1/10/2022 5:49:00 PM	64908
Toluene	ND	0.047		mg/Kg	1	1/10/2022 5:49:00 PM	64908
Ethylbenzene	ND	0.047		mg/Kg	1	1/10/2022 5:49:00 PM	64908
Xylenes, Total	ND	0.095		mg/Kg	1	1/10/2022 5:49:00 PM	64908
Surr: 4-Bromofluorobenzene	83.5	70-130		%Rec	1	1/10/2022 5:49:00 PM	64908

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

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

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## Analytical Report

Lab Order 2201269

Date Reported: 1/14/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WHS-6

Project: Federal CM 1

Collection Date: 1/5/2022 9:39:00 AM

Lab ID: 2201269-004

Matrix: SOIL

Received Date: 1/7/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	10000	600		mg/Kg	200	1/13/2022 3:17:13 AM	64966
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	29	9.3		mg/Kg	1	1/12/2022 11:15:10 AM	64911
Motor Oil Range Organics (MRO)	84	47		mg/Kg	1	1/12/2022 11:15:10 AM	64911
Surr: DNOP	84.3	70-130		%Rec	1	1/12/2022 11:15:10 AM	64911
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/10/2022 6:08:00 PM	64908
Surr: BFB	85.8	70-130		%Rec	1	1/10/2022 6:08:00 PM	64908
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	1/10/2022 6:08:00 PM	64908
Toluene	ND	0.048		mg/Kg	1	1/10/2022 6:08:00 PM	64908
Ethylbenzene	ND	0.048		mg/Kg	1	1/10/2022 6:08:00 PM	64908
Xylenes, Total	ND	0.096		mg/Kg	1	1/10/2022 6:08:00 PM	64908
Surr: 4-Bromofluorobenzene	82.8	70-130		%Rec	1	1/10/2022 6:08:00 PM	64908

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

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

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## Analytical Report

Lab Order 2201269

Date Reported: 1/14/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WHS-8

Project: Federal CM 1

Collection Date: 1/5/2022 9:50:00 AM

Lab ID: 2201269-005

Matrix: SOIL

Received Date: 1/7/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	18000	600		mg/Kg	200	1/13/2022 3:29:38 AM	64966
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	63	9.6		mg/Kg	1	1/12/2022 11:25:44 AM	64911
Motor Oil Range Organics (MRO)	190	48		mg/Kg	1	1/12/2022 11:25:44 AM	64911
Surr: DNOP	79.1	70-130		%Rec	1	1/12/2022 11:25:44 AM	64911
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: mb
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	1/10/2022 6:28:00 PM	64908
Surr: BFB	85.1	70-130		%Rec	1	1/10/2022 6:28:00 PM	64908
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	1/10/2022 6:28:00 PM	64908
Toluene	ND	0.050		mg/Kg	1	1/10/2022 6:28:00 PM	64908
Ethylbenzene	ND	0.050		mg/Kg	1	1/10/2022 6:28:00 PM	64908
Xylenes, Total	ND	0.099		mg/Kg	1	1/10/2022 6:28:00 PM	64908
Surr: 4-Bromofluorobenzene	81.5	70-130		%Rec	1	1/10/2022 6:28:00 PM	64908

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

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

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## Analytical Report

Lab Order 2201269

Date Reported: 1/14/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WHS-10

Project: Federal CM 1

Collection Date: 1/5/2022 10:35:00 AM

Lab ID: 2201269-006

Matrix: SOIL

Received Date: 1/7/2022 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	1/11/2022 6:52:33 PM	64966
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	1/12/2022 11:36:16 AM	64911
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	1/12/2022 11:36:16 AM	64911
Surr: DNOP	84.5	70-130		%Rec	1	1/12/2022 11:36:16 AM	64911
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/10/2022 6:48:00 PM	64908
Surr: BFB	89.9	70-130		%Rec	1	1/10/2022 6:48:00 PM	64908
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	1/10/2022 6:48:00 PM	64908
Toluene	ND	0.048		mg/Kg	1	1/10/2022 6:48:00 PM	64908
Ethylbenzene	ND	0.048		mg/Kg	1	1/10/2022 6:48:00 PM	64908
Xylenes, Total	ND	0.096		mg/Kg	1	1/10/2022 6:48:00 PM	64908
Surr: 4-Bromofluorobenzene	82.4	70-130		%Rec	1	1/10/2022 6:48:00 PM	64908

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

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

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## Analytical Report

Lab Order 2201269

Date Reported: 1/14/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WHS-11

Project: Federal CM 1

Collection Date: 1/5/2022 10:37:00 AM

Lab ID: 2201269-007

Matrix: SOIL

Received Date: 1/7/2022 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	1/11/2022 7:04:54 PM	64966
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	1/12/2022 12:39:32 PM	64929
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	1/12/2022 12:39:32 PM	64929
Surr: DNOP	78.5	70-130		%Rec	1	1/12/2022 12:39:32 PM	64929
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/10/2022 8:46:00 PM	64917
Surr: BFB	88.1	70-130		%Rec	1	1/10/2022 8:46:00 PM	64917
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	1/10/2022 8:46:00 PM	64917
Toluene	ND	0.049		mg/Kg	1	1/10/2022 8:46:00 PM	64917
Ethylbenzene	ND	0.049		mg/Kg	1	1/10/2022 8:46:00 PM	64917
Xylenes, Total	ND	0.098		mg/Kg	1	1/10/2022 8:46:00 PM	64917
Surr: 4-Bromofluorobenzene	81.2	70-130		%Rec	1	1/10/2022 8:46:00 PM	64917

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

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

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## Analytical Report

Lab Order 2201269

Date Reported: 1/14/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WHS-13

Project: Federal CM 1

Collection Date: 1/5/2022 12:05:00 PM

Lab ID: 2201269-008

Matrix: SOIL

Received Date: 1/7/2022 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	1/11/2022 7:17:15 PM	64966
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	1/13/2022 3:58:51 PM	64929
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/13/2022 3:58:51 PM	64929
Surr: DNOP	72.8	70-130		%Rec	1	1/13/2022 3:58:51 PM	64929
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/10/2022 9:44:00 PM	64917
Surr: BFB	84.7	70-130		%Rec	1	1/10/2022 9:44:00 PM	64917
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	1/10/2022 9:44:00 PM	64917
Toluene	ND	0.048		mg/Kg	1	1/10/2022 9:44:00 PM	64917
Ethylbenzene	ND	0.048		mg/Kg	1	1/10/2022 9:44:00 PM	64917
Xylenes, Total	ND	0.095		mg/Kg	1	1/10/2022 9:44:00 PM	64917
Surr: 4-Bromofluorobenzene	81.1	70-130		%Rec	1	1/10/2022 9:44:00 PM	64917

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

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

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## Analytical Report

Lab Order 2201269

Date Reported: 1/14/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WHS-14

Project: Federal CM 1

Collection Date: 1/5/2022 12:07:00 PM

Lab ID: 2201269-009

Matrix: SOIL

Received Date: 1/7/2022 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	1/11/2022 7:29:37 PM	64966
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	13	9.1		mg/Kg	1	1/12/2022 1:22:05 PM	64929
Motor Oil Range Organics (MRO)	53	46		mg/Kg	1	1/12/2022 1:22:05 PM	64929
Surr: DNOP	72.9	70-130		%Rec	1	1/12/2022 1:22:05 PM	64929
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/10/2022 10:43:00 PM	64917
Surr: BFB	88.6	70-130		%Rec	1	1/10/2022 10:43:00 PM	64917
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	1/10/2022 10:43:00 PM	64917
Toluene	ND	0.048		mg/Kg	1	1/10/2022 10:43:00 PM	64917
Ethylbenzene	ND	0.048		mg/Kg	1	1/10/2022 10:43:00 PM	64917
Xylenes, Total	ND	0.096		mg/Kg	1	1/10/2022 10:43:00 PM	64917
Surr: 4-Bromofluorobenzene	82.5	70-130		%Rec	1	1/10/2022 10:43:00 PM	64917

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

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

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## Analytical Report

Lab Order 2201269

Date Reported: 1/14/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: SS-1

Project: Federal CM 1

Collection Date: 1/5/2022 1:03:00 PM

Lab ID: 2201269-010

Matrix: SOIL

Received Date: 1/7/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	6700	300		mg/Kg	100	1/13/2022 3:42:03 AM	64966
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	1/12/2022 1:32:47 PM	64929
Motor Oil Range Organics (MRO)	97	49		mg/Kg	1	1/12/2022 1:32:47 PM	64929
Surr: DNOP	84.5	70-130		%Rec	1	1/12/2022 1:32:47 PM	64929
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: mb
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	1/10/2022 11:02:00 PM	64917
Surr: BFB	86.5	70-130		%Rec	1	1/10/2022 11:02:00 PM	64917
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	1/10/2022 11:02:00 PM	64917
Toluene	ND	0.050		mg/Kg	1	1/10/2022 11:02:00 PM	64917
Ethylbenzene	ND	0.050		mg/Kg	1	1/10/2022 11:02:00 PM	64917
Xylenes, Total	ND	0.10		mg/Kg	1	1/10/2022 11:02:00 PM	64917
Surr: 4-Bromofluorobenzene	82.7	70-130		%Rec	1	1/10/2022 11:02:00 PM	64917

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

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

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## Analytical Report

Lab Order 2201269

Date Reported: 1/14/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: SS-2

Project: Federal CM 1

Collection Date: 1/5/2022 1:07:00 PM

Lab ID: 2201269-011

Matrix: SOIL

Received Date: 1/7/2022 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	1/11/2022 7:54:18 PM	64966
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	1/12/2022 1:43:29 PM	64929
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	1/12/2022 1:43:29 PM	64929
Surr: DNOP	80.1	70-130		%Rec	1	1/12/2022 1:43:29 PM	64929
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/10/2022 11:22:00 PM	64917
Surr: BFB	85.6	70-130		%Rec	1	1/10/2022 11:22:00 PM	64917
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: mb
Benzene	ND	0.023		mg/Kg	1	1/10/2022 11:22:00 PM	64917
Toluene	ND	0.047		mg/Kg	1	1/10/2022 11:22:00 PM	64917
Ethylbenzene	ND	0.047		mg/Kg	1	1/10/2022 11:22:00 PM	64917
Xylenes, Total	ND	0.093		mg/Kg	1	1/10/2022 11:22:00 PM	64917
Surr: 4-Bromofluorobenzene	80.0	70-130		%Rec	1	1/10/2022 11:22:00 PM	64917

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

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

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## Analytical Report

Lab Order 2201269

Date Reported: 1/14/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: SS-3

Project: Federal CM 1

Collection Date: 1/5/2022 1:10:00 PM

Lab ID: 2201269-012

Matrix: SOIL

Received Date: 1/7/2022 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	1/11/2022 8:06:38 PM	64966
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	1/12/2022 1:54:13 PM	64929
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	1/12/2022 1:54:13 PM	64929
Surr: DNOP	77.0	70-130		%Rec	1	1/12/2022 1:54:13 PM	64929
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/10/2022 11:41:00 PM	64917
Surr: BFB	88.3	70-130		%Rec	1	1/10/2022 11:41:00 PM	64917
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: mb
Benzene	ND	0.023		mg/Kg	1	1/10/2022 11:41:00 PM	64917
Toluene	ND	0.047		mg/Kg	1	1/10/2022 11:41:00 PM	64917
Ethylbenzene	ND	0.047		mg/Kg	1	1/10/2022 11:41:00 PM	64917
Xylenes, Total	ND	0.093		mg/Kg	1	1/10/2022 11:41:00 PM	64917
Surr: 4-Bromofluorobenzene	85.7	70-130		%Rec	1	1/10/2022 11:41:00 PM	64917

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

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

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## Analytical Report

Lab Order 2201269

Date Reported: 1/14/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: SS-4

Project: Federal CM 1

Collection Date: 1/5/2022 1:12:00 PM

Lab ID: 2201269-013

Matrix: SOIL

Received Date: 1/7/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	2900	150		mg/Kg	50	1/13/2022 3:54:28 AM	64966
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	24	9.8		mg/Kg	1	1/12/2022 2:04:57 PM	64929
Motor Oil Range Organics (MRO)	74	49		mg/Kg	1	1/12/2022 2:04:57 PM	64929
Surr: DNOP	73.2	70-130		%Rec	1	1/12/2022 2:04:57 PM	64929
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	1/11/2022 12:01:00 AM	64917
Surr: BFB	80.4	70-130		%Rec	1	1/11/2022 12:01:00 AM	64917
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: mb
Benzene	ND	0.023		mg/Kg	1	1/11/2022 12:01:00 AM	64917
Toluene	ND	0.046		mg/Kg	1	1/11/2022 12:01:00 AM	64917
Ethylbenzene	ND	0.046		mg/Kg	1	1/11/2022 12:01:00 AM	64917
Xylenes, Total	ND	0.093		mg/Kg	1	1/11/2022 12:01:00 AM	64917
Surr: 4-Bromofluorobenzene	82.5	70-130		%Rec	1	1/11/2022 12:01:00 AM	64917

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

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

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## Analytical Report

Lab Order 2201269

Date Reported: 1/14/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: SS-5

Project: Federal CM 1

Collection Date: 1/5/2022 1:29:00 PM

Lab ID: 2201269-014

Matrix: SOIL

Received Date: 1/7/2022 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	1/11/2022 8:31:19 PM	64966
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	1/12/2022 2:15:43 PM	64929
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	1/12/2022 2:15:43 PM	64929
Surr: DNOP	86.6	70-130		%Rec	1	1/12/2022 2:15:43 PM	64929
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/11/2022 12:20:00 AM	64917
Surr: BFB	86.9	70-130		%Rec	1	1/11/2022 12:20:00 AM	64917
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	1/11/2022 12:20:00 AM	64917
Toluene	ND	0.049		mg/Kg	1	1/11/2022 12:20:00 AM	64917
Ethylbenzene	ND	0.049		mg/Kg	1	1/11/2022 12:20:00 AM	64917
Xylenes, Total	ND	0.098		mg/Kg	1	1/11/2022 12:20:00 AM	64917
Surr: 4-Bromofluorobenzene	81.2	70-130		%Rec	1	1/11/2022 12:20:00 AM	64917

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

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

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## Analytical Report

Lab Order 2201269

Date Reported: 1/14/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: SS-6

Project: Federal CM 1

Collection Date: 1/5/2022 1:31:00 PM

Lab ID: 2201269-015

Matrix: SOIL

Received Date: 1/7/2022 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	1/11/2022 9:08:19 PM	64966
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	1/12/2022 2:26:39 PM	64929
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	1/12/2022 2:26:39 PM	64929
Surr: DNOP	73.6	70-130		%Rec	1	1/12/2022 2:26:39 PM	64929
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: mb
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	1/11/2022 12:40:00 AM	64917
Surr: BFB	83.2	70-130		%Rec	1	1/11/2022 12:40:00 AM	64917
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	1/11/2022 12:40:00 AM	64917
Toluene	ND	0.050		mg/Kg	1	1/11/2022 12:40:00 AM	64917
Ethylbenzene	ND	0.050		mg/Kg	1	1/11/2022 12:40:00 AM	64917
Xylenes, Total	ND	0.10		mg/Kg	1	1/11/2022 12:40:00 AM	64917
Surr: 4-Bromofluorobenzene	81.3	70-130		%Rec	1	1/11/2022 12:40:00 AM	64917

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

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

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## Analytical Report

Lab Order 2201269

Date Reported: 1/14/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: SS-7

Project: Federal CM 1

Collection Date: 1/5/2022 1:34:00 PM

Lab ID: 2201269-016

Matrix: SOIL

Received Date: 1/7/2022 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	1/11/2022 9:20:39 PM	64966
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	1/12/2022 2:37:34 PM	64929
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	1/12/2022 2:37:34 PM	64929
Surr: DNOP	70.8	70-130		%Rec	1	1/12/2022 2:37:34 PM	64929
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/11/2022 12:59:00 AM	64917
Surr: BFB	85.1	70-130		%Rec	1	1/11/2022 12:59:00 AM	64917
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	1/11/2022 12:59:00 AM	64917
Toluene	ND	0.049		mg/Kg	1	1/11/2022 12:59:00 AM	64917
Ethylbenzene	ND	0.049		mg/Kg	1	1/11/2022 12:59:00 AM	64917
Xylenes, Total	ND	0.099		mg/Kg	1	1/11/2022 12:59:00 AM	64917
Surr: 4-Bromofluorobenzene	81.8	70-130		%Rec	1	1/11/2022 12:59:00 AM	64917

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

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

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

WO#: 2201269

14-Jan-22

**Client:** EOG  
**Project:** Federal CM 1

Sample ID: <b>MB-64966</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>64966</b>	RunNo: <b>85087</b>								
Prep Date: <b>1/11/2022</b>	Analysis Date: <b>1/11/2022</b>	SeqNo: <b>2993902</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-64966</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>64966</b>	RunNo: <b>85087</b>								
Prep Date: <b>1/11/2022</b>	Analysis Date: <b>1/11/2022</b>	SeqNo: <b>2993903</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.8	90	110			

**Qualifiers:**

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

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

WO#: 2201269

14-Jan-22

**Client:** EOG  
**Project:** Federal CM 1

Sample ID: <b>LCS-64911</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>64911</b>			RunNo: <b>85066</b>						
Prep Date: <b>1/7/2022</b>	Analysis Date: <b>1/11/2022</b>			SeqNo: <b>2992974</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	41	10	50.00	0	81.6	68.9	135			
Surr: DNOP	3.9		5.000		77.8	70	130			

Sample ID: <b>MB-64911</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>PBS</b>	Batch ID: <b>64911</b>			RunNo: <b>85066</b>						
Prep Date: <b>1/7/2022</b>	Analysis Date: <b>1/11/2022</b>			SeqNo: <b>2992976</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.7		10.00		86.9	70	130			

Sample ID: <b>MB-64960</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>PBS</b>	Batch ID: <b>64960</b>			RunNo: <b>85093</b>						
Prep Date: <b>1/11/2022</b>	Analysis Date: <b>1/12/2022</b>			SeqNo: <b>2994121</b>		Units: <b>%Rec</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10		10.00		101	70	130			

Sample ID: <b>LCS-64960</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>64960</b>			RunNo: <b>85093</b>						
Prep Date: <b>1/11/2022</b>	Analysis Date: <b>1/12/2022</b>			SeqNo: <b>2994126</b>		Units: <b>%Rec</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.8		5.000		96.3	70	130			

Sample ID: <b>LCS-64929</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>64929</b>			RunNo: <b>85117</b>						
Prep Date: <b>1/10/2022</b>	Analysis Date: <b>1/12/2022</b>			SeqNo: <b>2994803</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	40	10	50.00	0	80.9	68.9	135			
Surr: DNOP	3.7		5.000		73.7	70	130			

Sample ID: <b>MB-64929</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>PBS</b>	Batch ID: <b>64929</b>			RunNo: <b>85117</b>						
Prep Date: <b>1/10/2022</b>	Analysis Date: <b>1/12/2022</b>			SeqNo: <b>2994804</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								

**Qualifiers:**

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

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

WO#: 2201269

14-Jan-22

**Client:** EOG  
**Project:** Federal CM 1

Sample ID: <b>MB-64929</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>PBS</b>	Batch ID: <b>64929</b>			RunNo: <b>85117</b>						
Prep Date: <b>1/10/2022</b>	Analysis Date: <b>1/12/2022</b>			SeqNo: <b>2994804</b>	Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.9		10.00		89.5	70	130			

Sample ID: <b>LCS-65000</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>65000</b>			RunNo: <b>85137</b>						
Prep Date: <b>1/13/2022</b>	Analysis Date: <b>1/13/2022</b>			SeqNo: <b>2995385</b>	Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.8		5.000		96.9	70	130			

Sample ID: <b>MB-65000</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>PBS</b>	Batch ID: <b>65000</b>			RunNo: <b>85137</b>						
Prep Date: <b>1/13/2022</b>	Analysis Date: <b>1/13/2022</b>			SeqNo: <b>2995388</b>	Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10		10.00		99.7	70	130			

Sample ID: <b>MB-64980</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>PBS</b>	Batch ID: <b>64980</b>			RunNo: <b>85152</b>						
Prep Date: <b>1/12/2022</b>	Analysis Date: <b>1/13/2022</b>			SeqNo: <b>2995661</b>	Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.9		10.00		89.2	70	130			

Sample ID: <b>LCS-64980</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>64980</b>			RunNo: <b>85152</b>						
Prep Date: <b>1/12/2022</b>	Analysis Date: <b>1/13/2022</b>			SeqNo: <b>2995662</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		91.8	70	130			

**Qualifiers:**

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

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

WO#: 2201269

14-Jan-22

**Client:** EOG  
**Project:** Federal CM 1

Sample ID: <b>mb-64908</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>64908</b>	RunNo: <b>85038</b>								
Prep Date: <b>1/7/2022</b>	Analysis Date: <b>1/10/2022</b>	SeqNo: <b>2992243</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		90.1	70	130			

Sample ID: <b>lcs-64908</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>64908</b>	RunNo: <b>85038</b>								
Prep Date: <b>1/7/2022</b>	Analysis Date: <b>1/10/2022</b>	SeqNo: <b>2992244</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	102	78.6	131			
Surr: BFB	1000		1000		99.6	70	130			

Sample ID: <b>mb-64917</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>64917</b>	RunNo: <b>85038</b>								
Prep Date: <b>1/7/2022</b>	Analysis Date: <b>1/10/2022</b>	SeqNo: <b>2992378</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	850		1000		85.5	70	130			

Sample ID: <b>lcs-64917</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>64917</b>	RunNo: <b>85038</b>								
Prep Date: <b>1/7/2022</b>	Analysis Date: <b>1/10/2022</b>	SeqNo: <b>2992379</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	91.6	78.6	131			
Surr: BFB	1000		1000		101	70	130			

**Qualifiers:**

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



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

WO#: 2201269

14-Jan-22

**Client:** EOG  
**Project:** Federal CM 1

Sample ID: <b>mb-64908</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>64908</b>	RunNo: <b>85038</b>								
Prep Date: <b>1/7/2022</b>	Analysis Date: <b>1/10/2022</b>	SeqNo: <b>2992253</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	0.86		1.000		85.6	70	130			

Sample ID: <b>lcs-64908</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>64908</b>	RunNo: <b>85038</b>								
Prep Date: <b>1/7/2022</b>	Analysis Date: <b>1/10/2022</b>	SeqNo: <b>2992254</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.85	0.025	1.000	0	85.0	80	120			
Toluene	0.84	0.050	1.000	0	84.2	80	120			
Ethylbenzene	0.85	0.050	1.000	0	84.7	80	120			
Xylenes, Total	2.5	0.10	3.000	0	82.6	80	120			
Surr: 4-Bromofluorobenzene	0.87		1.000		86.5	70	130			

Sample ID: <b>mb-64917</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>64917</b>	RunNo: <b>85038</b>								
Prep Date: <b>1/7/2022</b>	Analysis Date: <b>1/10/2022</b>	SeqNo: <b>2992408</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.84		1.000		83.7	70	130			

Sample ID: <b>lcs-64917</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>64917</b>	RunNo: <b>85038</b>								
Prep Date: <b>1/7/2022</b>	Analysis Date: <b>1/10/2022</b>	SeqNo: <b>2992409</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.87	0.025	1.000	0	87.4	80	120			
Toluene	0.87	0.050	1.000	0	86.9	80	120			
Ethylbenzene	0.88	0.050	1.000	0	87.6	80	120			
Xylenes, Total	2.6	0.10	3.000	0	85.7	80	120			
Surr: 4-Bromofluorobenzene	0.86		1.000		85.6	70	130			

**Qualifiers:**

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



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

## Sample Log-In Check List

Client Name: EOG

Work Order Number: 2201269

RcptNo: 1

Received By: Cheyenne Cason 1/7/2022 8:00:00 AM

Completed By: Desiree Dominguez 1/7/2022 8:09:50 AM

Reviewed By: *Cue* 1/7/22

### Chain of Custody

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

### Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  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 4/7/22*

### 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	3.8	Good				









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

February 16, 2022

Will Kierdorf

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX

RE: Federal CM 1

OrderNo.: 2202253

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 30 sample(s) on 2/5/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

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

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

## Analytical Report

Lab Order 2202253

Date Reported: 2/16/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WTH-1/5

Project: Federal CM 1

Collection Date: 1/31/2022 8:56:00 AM

Lab ID: 2202253-001

Matrix: SOIL

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

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	630	60		mg/Kg	20	2/11/2022 12:14:00 AM	65489
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	2/8/2022 6:10:28 PM	65400
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/8/2022 6:10:28 PM	65400
Surr: DNOP	116	51.1-141		%Rec	1	2/8/2022 6:10:28 PM	65400
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/8/2022 3:42:00 PM	65402
Surr: BFB	103	70-130		%Rec	1	2/8/2022 3:42:00 PM	65402
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/8/2022 3:42:00 PM	65402
Toluene	ND	0.050		mg/Kg	1	2/8/2022 3:42:00 PM	65402
Ethylbenzene	ND	0.050		mg/Kg	1	2/8/2022 3:42:00 PM	65402
Xylenes, Total	ND	0.099		mg/Kg	1	2/8/2022 3:42:00 PM	65402
Surr: 4-Bromofluorobenzene	99.4	70-130		%Rec	1	2/8/2022 3:42:00 PM	65402

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

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

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## Analytical Report

Lab Order 2202253

Date Reported: 2/16/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WTH-1/12

Project: Federal CM 1

Collection Date: 1/31/2022 10:04:00 AM

Lab ID: 2202253-002

Matrix: SOIL

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

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	380	60		mg/Kg	20	2/11/2022 12:26:24 AM	65489
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	2/8/2022 6:21:03 PM	65400
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/8/2022 6:21:03 PM	65400
Surr: DNOP	75.8	51.1-141		%Rec	1	2/8/2022 6:21:03 PM	65400
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/8/2022 4:02:00 PM	65402
Surr: BFB	102	70-130		%Rec	1	2/8/2022 4:02:00 PM	65402
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	2/8/2022 4:02:00 PM	65402
Toluene	ND	0.048		mg/Kg	1	2/8/2022 4:02:00 PM	65402
Ethylbenzene	ND	0.048		mg/Kg	1	2/8/2022 4:02:00 PM	65402
Xylenes, Total	ND	0.097		mg/Kg	1	2/8/2022 4:02:00 PM	65402
Surr: 4-Bromofluorobenzene	98.0	70-130		%Rec	1	2/8/2022 4:02:00 PM	65402

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

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

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## Analytical Report

Lab Order 2202253

Date Reported: 2/16/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WTH-2/3

Project: Federal CM 1

Collection Date: 1/31/2022 10:24:00 AM

Lab ID: 2202253-003

Matrix: SOIL

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

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	5200	300		mg/Kg	100	2/14/2022 10:39:24 AM	65489
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	2/8/2022 6:31:38 PM	65400
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/8/2022 6:31:38 PM	65400
Surr: DNOP	79.6	51.1-141		%Rec	1	2/8/2022 6:31:38 PM	65400
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/8/2022 4:23:00 PM	65402
Surr: BFB	102	70-130		%Rec	1	2/8/2022 4:23:00 PM	65402
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	2/8/2022 4:23:00 PM	65402
Toluene	ND	0.048		mg/Kg	1	2/8/2022 4:23:00 PM	65402
Ethylbenzene	ND	0.048		mg/Kg	1	2/8/2022 4:23:00 PM	65402
Xylenes, Total	ND	0.096		mg/Kg	1	2/8/2022 4:23:00 PM	65402
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	2/8/2022 4:23:00 PM	65402

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

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

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## Analytical Report

Lab Order 2202253

Date Reported: 2/16/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WTH-2/6

Project: Federal CM 1

Collection Date: 1/31/2022 10:35:00 AM

Lab ID: 2202253-004

Matrix: SOIL

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

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	380	60		mg/Kg	20	2/11/2022 12:51:13 AM	65489
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	2/8/2022 6:42:11 PM	65400
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/8/2022 6:42:11 PM	65400
Surr: DNOP	76.7	51.1-141		%Rec	1	2/8/2022 6:42:11 PM	65400
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/8/2022 6:15:00 PM	65402
Surr: BFB	101	70-130		%Rec	1	2/8/2022 6:15:00 PM	65402
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/8/2022 6:15:00 PM	65402
Toluene	ND	0.049		mg/Kg	1	2/8/2022 6:15:00 PM	65402
Ethylbenzene	ND	0.049		mg/Kg	1	2/8/2022 6:15:00 PM	65402
Xylenes, Total	ND	0.098		mg/Kg	1	2/8/2022 6:15:00 PM	65402
Surr: 4-Bromofluorobenzene	98.5	70-130		%Rec	1	2/8/2022 6:15:00 PM	65402

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

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

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## Analytical Report

Lab Order 2202253

Date Reported: 2/16/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WTH-3/3

Project: Federal CM 1

Collection Date: 1/31/2022 10:58:00 AM

Lab ID: 2202253-005

Matrix: SOIL

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

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	940	60		mg/Kg	20	2/11/2022 1:03:38 AM	65489
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	2/8/2022 6:52:44 PM	65400
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/8/2022 6:52:44 PM	65400
Surr: DNOP	69.6	51.1-141		%Rec	1	2/8/2022 6:52:44 PM	65400
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/8/2022 6:35:00 PM	65402
Surr: BFB	96.4	70-130		%Rec	1	2/8/2022 6:35:00 PM	65402
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/8/2022 6:35:00 PM	65402
Toluene	ND	0.049		mg/Kg	1	2/8/2022 6:35:00 PM	65402
Ethylbenzene	ND	0.049		mg/Kg	1	2/8/2022 6:35:00 PM	65402
Xylenes, Total	ND	0.099		mg/Kg	1	2/8/2022 6:35:00 PM	65402
Surr: 4-Bromofluorobenzene	94.7	70-130		%Rec	1	2/8/2022 6:35:00 PM	65402

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

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

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## Analytical Report

Lab Order 2202253

Date Reported: 2/16/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WTH-3/6

Project: Federal CM 1

Collection Date: 1/31/2022 11:07:00 AM

Lab ID: 2202253-006

Matrix: SOIL

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

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	290	60		mg/Kg	20	2/11/2022 1:16:02 AM	65489
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	2/8/2022 7:03:15 PM	65400
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/8/2022 7:03:15 PM	65400
Surr: DNOP	92.1	51.1-141		%Rec	1	2/8/2022 7:03:15 PM	65400
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/8/2022 6:55:00 PM	65402
Surr: BFB	97.6	70-130		%Rec	1	2/8/2022 6:55:00 PM	65402
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	2/8/2022 6:55:00 PM	65402
Toluene	ND	0.048		mg/Kg	1	2/8/2022 6:55:00 PM	65402
Ethylbenzene	ND	0.048		mg/Kg	1	2/8/2022 6:55:00 PM	65402
Xylenes, Total	ND	0.095		mg/Kg	1	2/8/2022 6:55:00 PM	65402
Surr: 4-Bromofluorobenzene	97.5	70-130		%Rec	1	2/8/2022 6:55:00 PM	65402

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

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

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## Analytical Report

Lab Order 2202253

Date Reported: 2/16/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WTH-4/1

Project: Federal CM 1

Collection Date: 1/31/2022 12:32:00 PM

Lab ID: 2202253-007

Matrix: SOIL

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

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	140	60		mg/Kg	20	2/11/2022 1:28:27 AM	65489
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	2/8/2022 7:13:46 PM	65400
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/8/2022 7:13:46 PM	65400
Surr: DNOP	78.7	51.1-141		%Rec	1	2/8/2022 7:13:46 PM	65400
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/8/2022 7:15:00 PM	65402
Surr: BFB	99.2	70-130		%Rec	1	2/8/2022 7:15:00 PM	65402
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	2/8/2022 7:15:00 PM	65402
Toluene	ND	0.047		mg/Kg	1	2/8/2022 7:15:00 PM	65402
Ethylbenzene	ND	0.047		mg/Kg	1	2/8/2022 7:15:00 PM	65402
Xylenes, Total	ND	0.095		mg/Kg	1	2/8/2022 7:15:00 PM	65402
Surr: 4-Bromofluorobenzene	97.0	70-130		%Rec	1	2/8/2022 7:15:00 PM	65402

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

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

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## Analytical Report

Lab Order 2202253

Date Reported: 2/16/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WTH-4/4

Project: Federal CM 1

Collection Date: 1/31/2022 12:50:00 PM

Lab ID: 2202253-008

Matrix: SOIL

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

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	310	60		mg/Kg	20	2/11/2022 1:40:52 AM	65489
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	36	9.5		mg/Kg	1	2/10/2022 12:26:55 PM	65410
Motor Oil Range Organics (MRO)	110	47		mg/Kg	1	2/10/2022 12:26:55 PM	65410
Surr: DNOP	111	51.1-141		%Rec	1	2/10/2022 12:26:55 PM	65410
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/8/2022 7:34:00 PM	65402
Surr: BFB	97.0	70-130		%Rec	1	2/8/2022 7:34:00 PM	65402
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	2/8/2022 7:34:00 PM	65402
Toluene	ND	0.048		mg/Kg	1	2/8/2022 7:34:00 PM	65402
Ethylbenzene	ND	0.048		mg/Kg	1	2/8/2022 7:34:00 PM	65402
Xylenes, Total	ND	0.096		mg/Kg	1	2/8/2022 7:34:00 PM	65402
Surr: 4-Bromofluorobenzene	97.7	70-130		%Rec	1	2/8/2022 7:34:00 PM	65402

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

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

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## Analytical Report

Lab Order 2202253

Date Reported: 2/16/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WTH-5/1

Project: Federal CM 1

Collection Date: 2/1/2022 11:04:00 AM

Lab ID: 2202253-009

Matrix: SOIL

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

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	1200	59		mg/Kg	20	2/11/2022 1:53:16 AM	65489
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	2/9/2022 2:52:59 PM	65410
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/9/2022 2:52:59 PM	65410
Surr: DNOP	102	51.1-141		%Rec	1	2/9/2022 2:52:59 PM	65410
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	2/8/2022 7:54:00 PM	65402
Surr: BFB	100	70-130		%Rec	1	2/8/2022 7:54:00 PM	65402
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.023		mg/Kg	1	2/8/2022 7:54:00 PM	65402
Toluene	ND	0.046		mg/Kg	1	2/8/2022 7:54:00 PM	65402
Ethylbenzene	ND	0.046		mg/Kg	1	2/8/2022 7:54:00 PM	65402
Xylenes, Total	ND	0.093		mg/Kg	1	2/8/2022 7:54:00 PM	65402
Surr: 4-Bromofluorobenzene	91.2	70-130		%Rec	1	2/8/2022 7:54:00 PM	65402

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

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

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## Analytical Report

Lab Order 2202253

Date Reported: 2/16/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WTH-5/4

Project: Federal CM 1

Collection Date: 2/1/2022 11:39:00 AM

Lab ID: 2202253-010

Matrix: SOIL

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

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	760	60		mg/Kg	20	2/11/2022 2:30:31 AM	65489
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	95	9.9		mg/Kg	1	2/10/2022 12:51:08 PM	65410
Motor Oil Range Organics (MRO)	200	49		mg/Kg	1	2/10/2022 12:51:08 PM	65410
Surr: DNOP	100	51.1-141		%Rec	1	2/10/2022 12:51:08 PM	65410
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/8/2022 8:14:00 PM	65402
Surr: BFB	100	70-130		%Rec	1	2/8/2022 8:14:00 PM	65402
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	2/8/2022 8:14:00 PM	65402
Toluene	ND	0.048		mg/Kg	1	2/8/2022 8:14:00 PM	65402
Ethylbenzene	ND	0.048		mg/Kg	1	2/8/2022 8:14:00 PM	65402
Xylenes, Total	ND	0.097		mg/Kg	1	2/8/2022 8:14:00 PM	65402
Surr: 4-Bromofluorobenzene	93.6	70-130		%Rec	1	2/8/2022 8:14:00 PM	65402

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

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

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## Analytical Report

Lab Order 2202253

Date Reported: 2/16/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WTH-6/2

Project: Federal CM 1

Collection Date: 2/1/2022 2:04:00 PM

Lab ID: 2202253-011

Matrix: SOIL

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

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	1600	60		mg/Kg	20	2/11/2022 2:42:55 AM	65489
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	12	9.8		mg/Kg	1	2/10/2022 1:15:19 PM	65410
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/10/2022 1:15:19 PM	65410
Surr: DNOP	92.2	51.1-141		%Rec	1	2/10/2022 1:15:19 PM	65410
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/8/2022 8:34:00 PM	65402
Surr: BFB	102	70-130		%Rec	1	2/8/2022 8:34:00 PM	65402
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	2/8/2022 8:34:00 PM	65402
Toluene	ND	0.048		mg/Kg	1	2/8/2022 8:34:00 PM	65402
Ethylbenzene	ND	0.048		mg/Kg	1	2/8/2022 8:34:00 PM	65402
Xylenes, Total	ND	0.096		mg/Kg	1	2/8/2022 8:34:00 PM	65402
Surr: 4-Bromofluorobenzene	95.8	70-130		%Rec	1	2/8/2022 8:34:00 PM	65402

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

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



## Analytical Report

Lab Order 2202253

Date Reported: 2/16/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WTH-6/5

Project: Federal CM 1

Collection Date: 2/1/2022 2:28:00 PM

Lab ID: 2202253-012

Matrix: SOIL

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

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	390	60		mg/Kg	20	2/11/2022 2:55:19 AM	65489
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	2/9/2022 3:25:38 PM	65410
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/9/2022 3:25:38 PM	65410
Surr: DNOP	64.8	51.1-141		%Rec	1	2/9/2022 3:25:38 PM	65410
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/8/2022 8:54:00 PM	65402
Surr: BFB	95.0	70-130		%Rec	1	2/8/2022 8:54:00 PM	65402
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	2/8/2022 8:54:00 PM	65402
Toluene	ND	0.048		mg/Kg	1	2/8/2022 8:54:00 PM	65402
Ethylbenzene	ND	0.048		mg/Kg	1	2/8/2022 8:54:00 PM	65402
Xylenes, Total	ND	0.096		mg/Kg	1	2/8/2022 8:54:00 PM	65402
Surr: 4-Bromofluorobenzene	92.0	70-130		%Rec	1	2/8/2022 8:54:00 PM	65402

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

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

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## Analytical Report

Lab Order 2202253

Date Reported: 2/16/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WTH-7/2

Project: Federal CM 1

Collection Date: 2/1/2022 2:38:00 PM

Lab ID: 2202253-013

Matrix: SOIL

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

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	1100	60		mg/Kg	20	2/11/2022 11:03:34 AM	65494
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	2/9/2022 3:36:29 PM	65410
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/9/2022 3:36:29 PM	65410
Surr: DNOP	57.6	51.1-141		%Rec	1	2/9/2022 3:36:29 PM	65410
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/8/2022 9:13:00 PM	65402
Surr: BFB	97.8	70-130		%Rec	1	2/8/2022 9:13:00 PM	65402
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	2/8/2022 9:13:00 PM	65402
Toluene	ND	0.047		mg/Kg	1	2/8/2022 9:13:00 PM	65402
Ethylbenzene	ND	0.047		mg/Kg	1	2/8/2022 9:13:00 PM	65402
Xylenes, Total	ND	0.094		mg/Kg	1	2/8/2022 9:13:00 PM	65402
Surr: 4-Bromofluorobenzene	92.1	70-130		%Rec	1	2/8/2022 9:13:00 PM	65402

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

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

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## Analytical Report

Lab Order 2202253

Date Reported: 2/16/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WTH-7/6

Project: Federal CM 1

Collection Date: 2/1/2022 2:54:00 PM

Lab ID: 2202253-014

Matrix: SOIL

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

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	450	59		mg/Kg	20	2/11/2022 11:40:49 AM	65494
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	2/9/2022 3:47:19 PM	65410
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	2/9/2022 3:47:19 PM	65410
Surr: DNOP	81.4	51.1-141		%Rec	1	2/9/2022 3:47:19 PM	65410
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/8/2022 11:11:00 PM	65409
Surr: BFB	95.2	70-130		%Rec	1	2/8/2022 11:11:00 PM	65409
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/8/2022 11:11:00 PM	65409
Toluene	ND	0.050		mg/Kg	1	2/8/2022 11:11:00 PM	65409
Ethylbenzene	ND	0.050		mg/Kg	1	2/8/2022 11:11:00 PM	65409
Xylenes, Total	ND	0.10		mg/Kg	1	2/8/2022 11:11:00 PM	65409
Surr: 4-Bromofluorobenzene	87.9	70-130		%Rec	1	2/8/2022 11:11:00 PM	65409

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

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

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## Analytical Report

Lab Order 2202253

Date Reported: 2/16/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WTH-8/1

Project: Federal CM 1

Collection Date: 2/1/2022 3:02:00 PM

Lab ID: 2202253-015

Matrix: SOIL

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

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	2800	150		mg/Kg	50	2/14/2022 11:16:38 AM	65494
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	2/9/2022 3:58:09 PM	65410
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/9/2022 3:58:09 PM	65410
Surr: DNOP	57.6	51.1-141		%Rec	1	2/9/2022 3:58:09 PM	65410
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/9/2022 12:10:00 AM	65409
Surr: BFB	96.3	70-130		%Rec	1	2/9/2022 12:10:00 AM	65409
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	2/9/2022 12:10:00 AM	65409
Toluene	ND	0.048		mg/Kg	1	2/9/2022 12:10:00 AM	65409
Ethylbenzene	ND	0.048		mg/Kg	1	2/9/2022 12:10:00 AM	65409
Xylenes, Total	ND	0.097		mg/Kg	1	2/9/2022 12:10:00 AM	65409
Surr: 4-Bromofluorobenzene	88.4	70-130		%Rec	1	2/9/2022 12:10:00 AM	65409

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

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

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## Analytical Report

Lab Order 2202253

Date Reported: 2/16/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WTH-8/4

Project: Federal CM 1

Collection Date: 2/1/2022 3:10:00 PM

Lab ID: 2202253-016

Matrix: SOIL

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

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	740	60		mg/Kg	20	2/11/2022 12:05:38 PM	65494
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	2/9/2022 4:08:57 PM	65410
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/9/2022 4:08:57 PM	65410
Surr: DNOP	57.4	51.1-141		%Rec	1	2/9/2022 4:08:57 PM	65410
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/9/2022 1:09:00 AM	65409
Surr: BFB	94.0	70-130		%Rec	1	2/9/2022 1:09:00 AM	65409
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/9/2022 1:09:00 AM	65409
Toluene	ND	0.050		mg/Kg	1	2/9/2022 1:09:00 AM	65409
Ethylbenzene	ND	0.050		mg/Kg	1	2/9/2022 1:09:00 AM	65409
Xylenes, Total	ND	0.10		mg/Kg	1	2/9/2022 1:09:00 AM	65409
Surr: 4-Bromofluorobenzene	89.4	70-130		%Rec	1	2/9/2022 1:09:00 AM	65409

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

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

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## Analytical Report

Lab Order 2202253

Date Reported: 2/16/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WTH-9/0

Project: Federal CM 1

Collection Date: 2/1/2022 3:20:00 PM

Lab ID: 2202253-017

Matrix: SOIL

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

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	ND	60		mg/Kg	20	2/11/2022 12:18:03 PM	65494
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	2/9/2022 4:19:45 PM	65410
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/9/2022 4:19:45 PM	65410
Surr: DNOP	70.6	51.1-141		%Rec	1	2/9/2022 4:19:45 PM	65410
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/9/2022 1:29:00 AM	65409
Surr: BFB	97.3	70-130		%Rec	1	2/9/2022 1:29:00 AM	65409
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/9/2022 1:29:00 AM	65409
Toluene	ND	0.049		mg/Kg	1	2/9/2022 1:29:00 AM	65409
Ethylbenzene	ND	0.049		mg/Kg	1	2/9/2022 1:29:00 AM	65409
Xylenes, Total	ND	0.099		mg/Kg	1	2/9/2022 1:29:00 AM	65409
Surr: 4-Bromofluorobenzene	89.7	70-130		%Rec	1	2/9/2022 1:29:00 AM	65409

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

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

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## Analytical Report

Lab Order 2202253

Date Reported: 2/16/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WTH-9/4

Project: Federal CM 1

Collection Date: 2/1/2022 3:28:00 PM

Lab ID: 2202253-018

Matrix: SOIL

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

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	180	60		mg/Kg	20	2/11/2022 12:30:28 PM	65494
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	2/9/2022 4:30:32 PM	65410
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	2/9/2022 4:30:32 PM	65410
Surr: DNOP	73.6	51.1-141		%Rec	1	2/9/2022 4:30:32 PM	65410
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/9/2022 1:48:00 AM	65409
Surr: BFB	99.4	70-130		%Rec	1	2/9/2022 1:48:00 AM	65409
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/9/2022 1:48:00 AM	65409
Toluene	ND	0.049		mg/Kg	1	2/9/2022 1:48:00 AM	65409
Ethylbenzene	ND	0.049		mg/Kg	1	2/9/2022 1:48:00 AM	65409
Xylenes, Total	ND	0.098		mg/Kg	1	2/9/2022 1:48:00 AM	65409
Surr: 4-Bromofluorobenzene	90.4	70-130		%Rec	1	2/9/2022 1:48:00 AM	65409

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

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

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## Analytical Report

Lab Order 2202253

Date Reported: 2/16/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: STH-1/5

Project: Federal CM 1

Collection Date: 2/1/2022 4:15:00 PM

Lab ID: 2202253-019

Matrix: SOIL

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

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	1300	60		mg/Kg	20	2/11/2022 1:07:42 PM	65494
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	2/9/2022 4:41:17 PM	65410
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/9/2022 4:41:17 PM	65410
Surr: DNOP	61.2	51.1-141		%Rec	1	2/9/2022 4:41:17 PM	65410
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/9/2022 2:08:00 AM	65409
Surr: BFB	97.1	70-130		%Rec	1	2/9/2022 2:08:00 AM	65409
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/9/2022 2:08:00 AM	65409
Toluene	ND	0.050		mg/Kg	1	2/9/2022 2:08:00 AM	65409
Ethylbenzene	ND	0.050		mg/Kg	1	2/9/2022 2:08:00 AM	65409
Xylenes, Total	ND	0.099		mg/Kg	1	2/9/2022 2:08:00 AM	65409
Surr: 4-Bromofluorobenzene	92.4	70-130		%Rec	1	2/9/2022 2:08:00 AM	65409

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

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

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## Analytical Report

Lab Order 2202253

Date Reported: 2/16/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: STH-1/14

Project: Federal CM 1

Collection Date: 2/1/2022 5:24:00 PM

Lab ID: 2202253-020

Matrix: SOIL

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

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	710	60		mg/Kg	20	2/11/2022 1:20:07 PM	65494
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	26	10		mg/Kg	1	2/10/2022 1:39:34 PM	65410
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/10/2022 1:39:34 PM	65410
Surr: DNOP	97.0	51.1-141		%Rec	1	2/10/2022 1:39:34 PM	65410
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/9/2022 2:27:00 AM	65409
Surr: BFB	97.5	70-130		%Rec	1	2/9/2022 2:27:00 AM	65409
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/9/2022 2:27:00 AM	65409
Toluene	ND	0.049		mg/Kg	1	2/9/2022 2:27:00 AM	65409
Ethylbenzene	ND	0.049		mg/Kg	1	2/9/2022 2:27:00 AM	65409
Xylenes, Total	ND	0.098		mg/Kg	1	2/9/2022 2:27:00 AM	65409
Surr: 4-Bromofluorobenzene	92.5	70-130		%Rec	1	2/9/2022 2:27:00 AM	65409

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

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

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## Analytical Report

Lab Order 2202253

Date Reported: 2/16/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WTH-10/0

Project: Federal CM 1

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

Lab ID: 2202253-021

Matrix: SOIL

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

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	620	60		mg/Kg	20	2/11/2022 1:32:31 PM	65494
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	2/9/2022 5:02:50 PM	65410
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/9/2022 5:02:50 PM	65410
Surr: DNOP	56.8	51.1-141		%Rec	1	2/9/2022 5:02:50 PM	65410
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/9/2022 2:47:00 AM	65409
Surr: BFB	94.3	70-130		%Rec	1	2/9/2022 2:47:00 AM	65409
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/9/2022 2:47:00 AM	65409
Toluene	ND	0.049		mg/Kg	1	2/9/2022 2:47:00 AM	65409
Ethylbenzene	ND	0.049		mg/Kg	1	2/9/2022 2:47:00 AM	65409
Xylenes, Total	ND	0.099		mg/Kg	1	2/9/2022 2:47:00 AM	65409
Surr: 4-Bromofluorobenzene	91.0	70-130		%Rec	1	2/9/2022 2:47:00 AM	65409

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

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

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## Analytical Report

Lab Order 2202253

Date Reported: 2/16/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WTH-10/2

Project: Federal CM 1

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

Lab ID: 2202253-022

Matrix: SOIL

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

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	390	60		mg/Kg	20	2/11/2022 1:44:56 PM	65494
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	2/9/2022 5:13:33 PM	65410
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/9/2022 5:13:33 PM	65410
Surr: DNOP	65.9	51.1-141		%Rec	1	2/9/2022 5:13:33 PM	65410
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/9/2022 3:06:00 AM	65409
Surr: BFB	95.1	70-130		%Rec	1	2/9/2022 3:06:00 AM	65409
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/9/2022 3:06:00 AM	65409
Toluene	ND	0.049		mg/Kg	1	2/9/2022 3:06:00 AM	65409
Ethylbenzene	ND	0.049		mg/Kg	1	2/9/2022 3:06:00 AM	65409
Xylenes, Total	ND	0.099		mg/Kg	1	2/9/2022 3:06:00 AM	65409
Surr: 4-Bromofluorobenzene	93.2	70-130		%Rec	1	2/9/2022 3:06:00 AM	65409

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

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

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## Analytical Report

Lab Order 2202253

Date Reported: 2/16/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WTH-11/0

Project: Federal CM 1

Collection Date: 2/2/2022 9:23:00 AM

Lab ID: 2202253-023

Matrix: SOIL

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

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	ND	59		mg/Kg	20	2/11/2022 1:57:20 PM	65494
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	2/10/2022 1:11:32 PM	65450
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/10/2022 1:11:32 PM	65450
Surr: DNOP	74.0	51.1-141		%Rec	1	2/10/2022 1:11:32 PM	65450
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/9/2022 3:26:00 AM	65409
Surr: BFB	97.9	70-130		%Rec	1	2/9/2022 3:26:00 AM	65409
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	2/9/2022 3:26:00 AM	65409
Toluene	ND	0.049		mg/Kg	1	2/9/2022 3:26:00 AM	65409
Ethylbenzene	ND	0.049		mg/Kg	1	2/9/2022 3:26:00 AM	65409
Xylenes, Total	ND	0.098		mg/Kg	1	2/9/2022 3:26:00 AM	65409
Surr: 4-Bromofluorobenzene	89.2	70-130		%Rec	1	2/9/2022 3:26:00 AM	65409

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

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

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## Analytical Report

Lab Order 2202253

Date Reported: 2/16/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WTH-11/2

Project: Federal CM 1

Collection Date: 2/2/2022 9:26:00 AM

Lab ID: 2202253-024

Matrix: SOIL

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

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	630	60		mg/Kg	20	2/11/2022 2:09:45 PM	65494
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	2/10/2022 1:22:16 PM	65450
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/10/2022 1:22:16 PM	65450
Surr: DNOP	81.6	51.1-141		%Rec	1	2/10/2022 1:22:16 PM	65450
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/9/2022 4:05:00 AM	65409
Surr: BFB	99.2	70-130		%Rec	1	2/9/2022 4:05:00 AM	65409
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/9/2022 4:05:00 AM	65409
Toluene	ND	0.050		mg/Kg	1	2/9/2022 4:05:00 AM	65409
Ethylbenzene	ND	0.050		mg/Kg	1	2/9/2022 4:05:00 AM	65409
Xylenes, Total	ND	0.099		mg/Kg	1	2/9/2022 4:05:00 AM	65409
Surr: 4-Bromofluorobenzene	90.3	70-130		%Rec	1	2/9/2022 4:05:00 AM	65409

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

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

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## Analytical Report

Lab Order 2202253

Date Reported: 2/16/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WTH-12/0

Project: Federal CM 1

Collection Date: 2/2/2022 9:45:00 AM

Lab ID: 2202253-025

Matrix: SOIL

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

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	ND	60		mg/Kg	20	2/11/2022 2:22:10 PM	65494
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	2/10/2022 1:33:00 PM	65450
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/10/2022 1:33:00 PM	65450
Surr: DNOP	66.6	51.1-141		%Rec	1	2/10/2022 1:33:00 PM	65450
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/9/2022 4:24:00 AM	65409
Surr: BFB	101	70-130		%Rec	1	2/9/2022 4:24:00 AM	65409
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/9/2022 4:24:00 AM	65409
Toluene	ND	0.049		mg/Kg	1	2/9/2022 4:24:00 AM	65409
Ethylbenzene	ND	0.049		mg/Kg	1	2/9/2022 4:24:00 AM	65409
Xylenes, Total	ND	0.099		mg/Kg	1	2/9/2022 4:24:00 AM	65409
Surr: 4-Bromofluorobenzene	92.1	70-130		%Rec	1	2/9/2022 4:24:00 AM	65409

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

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

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## Analytical Report

Lab Order 2202253

Date Reported: 2/16/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WTH-12/2

Project: Federal CM 1

Collection Date: 2/2/2022 10:00:00 AM

Lab ID: 2202253-026

Matrix: SOIL

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

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	170	60		mg/Kg	20	2/11/2022 2:34:35 PM	65494
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	2/10/2022 1:43:45 PM	65450
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	2/10/2022 1:43:45 PM	65450
Surr: DNOP	72.4	51.1-141		%Rec	1	2/10/2022 1:43:45 PM	65450
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/9/2022 4:44:00 AM	65409
Surr: BFB	101	70-130		%Rec	1	2/9/2022 4:44:00 AM	65409
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	2/9/2022 4:44:00 AM	65409
Toluene	ND	0.049		mg/Kg	1	2/9/2022 4:44:00 AM	65409
Ethylbenzene	ND	0.049		mg/Kg	1	2/9/2022 4:44:00 AM	65409
Xylenes, Total	ND	0.098		mg/Kg	1	2/9/2022 4:44:00 AM	65409
Surr: 4-Bromofluorobenzene	95.9	70-130		%Rec	1	2/9/2022 4:44:00 AM	65409

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

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

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## Analytical Report

Lab Order 2202253

Date Reported: 2/16/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WTH-13/0

Project: Federal CM 1

Collection Date: 2/2/2022 10:12:00 AM

Lab ID: 2202253-027

Matrix: SOIL

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

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	ND	59		mg/Kg	20	2/11/2022 2:46:59 PM	65494
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	2/10/2022 1:54:30 PM	65450
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/10/2022 1:54:30 PM	65450
Surr: DNOP	75.3	51.1-141		%Rec	1	2/10/2022 1:54:30 PM	65450
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/9/2022 5:03:00 AM	65409
Surr: BFB	98.5	70-130		%Rec	1	2/9/2022 5:03:00 AM	65409
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	2/9/2022 5:03:00 AM	65409
Toluene	ND	0.049		mg/Kg	1	2/9/2022 5:03:00 AM	65409
Ethylbenzene	ND	0.049		mg/Kg	1	2/9/2022 5:03:00 AM	65409
Xylenes, Total	ND	0.097		mg/Kg	1	2/9/2022 5:03:00 AM	65409
Surr: 4-Bromofluorobenzene	90.0	70-130		%Rec	1	2/9/2022 5:03:00 AM	65409

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

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

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## Analytical Report

Lab Order 2202253

Date Reported: 2/16/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WTH-13/2

Project: Federal CM 1

Collection Date: 2/2/2022 10:18:00 AM

Lab ID: 2202253-028

Matrix: SOIL

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

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	250	60		mg/Kg	20	2/11/2022 2:59:24 PM	65494
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	2/10/2022 2:05:19 PM	65450
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/10/2022 2:05:19 PM	65450
Surr: DNOP	86.8	51.1-141		%Rec	1	2/10/2022 2:05:19 PM	65450
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/9/2022 5:23:00 AM	65409
Surr: BFB	96.1	70-130		%Rec	1	2/9/2022 5:23:00 AM	65409
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/9/2022 5:23:00 AM	65409
Toluene	ND	0.049		mg/Kg	1	2/9/2022 5:23:00 AM	65409
Ethylbenzene	ND	0.049		mg/Kg	1	2/9/2022 5:23:00 AM	65409
Xylenes, Total	ND	0.098		mg/Kg	1	2/9/2022 5:23:00 AM	65409
Surr: 4-Bromofluorobenzene	92.6	70-130		%Rec	1	2/9/2022 5:23:00 AM	65409

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

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

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## Analytical Report

Lab Order 2202253

Date Reported: 2/16/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: STH-2/9

Project: Federal CM 1

Collection Date: 2/2/2022 11:30:00 AM

Lab ID: 2202253-029

Matrix: SOIL

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

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	4900	300		mg/Kg	100	2/14/2022 11:29:02 AM	65494
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	2/10/2022 2:16:08 PM	65450
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/10/2022 2:16:08 PM	65450
Surr: DNOP	78.9	51.1-141		%Rec	1	2/10/2022 2:16:08 PM	65450
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/9/2022 5:42:00 AM	65409
Surr: BFB	100	70-130		%Rec	1	2/9/2022 5:42:00 AM	65409
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/9/2022 5:42:00 AM	65409
Toluene	ND	0.050		mg/Kg	1	2/9/2022 5:42:00 AM	65409
Ethylbenzene	ND	0.050		mg/Kg	1	2/9/2022 5:42:00 AM	65409
Xylenes, Total	ND	0.099		mg/Kg	1	2/9/2022 5:42:00 AM	65409
Surr: 4-Bromofluorobenzene	93.0	70-130		%Rec	1	2/9/2022 5:42:00 AM	65409

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

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

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## Analytical Report

Lab Order 2202253

Date Reported: 2/16/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: STH-2/14

Project: Federal CM 1

Collection Date: 2/2/2022 1:08:00 PM

Lab ID: 2202253-030

Matrix: SOIL

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

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	5600	300		mg/Kg	100	2/14/2022 11:41:27 AM	65494
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	120	9.3		mg/Kg	1	2/10/2022 2:26:59 PM	65450
Motor Oil Range Organics (MRO)	170	47		mg/Kg	1	2/10/2022 2:26:59 PM	65450
Surr: DNOP	90.4	51.1-141		%Rec	1	2/10/2022 2:26:59 PM	65450
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/9/2022 6:02:00 AM	65409
Surr: BFB	106	70-130		%Rec	1	2/9/2022 6:02:00 AM	65409
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	2/9/2022 6:02:00 AM	65409
Toluene	ND	0.048		mg/Kg	1	2/9/2022 6:02:00 AM	65409
Ethylbenzene	ND	0.048		mg/Kg	1	2/9/2022 6:02:00 AM	65409
Xylenes, Total	ND	0.097		mg/Kg	1	2/9/2022 6:02:00 AM	65409
Surr: 4-Bromofluorobenzene	96.8	70-130		%Rec	1	2/9/2022 6:02:00 AM	65409

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

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

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

WO#: 2202253

16-Feb-22

**Client:** EOG  
**Project:** Federal CM 1

Sample ID: <b>MB-65489</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65489</b>	RunNo: <b>85766</b>								
Prep Date: <b>2/10/2022</b>	Analysis Date: <b>2/10/2022</b>	SeqNo: <b>3019617</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

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

Sample ID: <b>MB-65494</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65494</b>	RunNo: <b>85797</b>								
Prep Date: <b>2/11/2022</b>	Analysis Date: <b>2/11/2022</b>	SeqNo: <b>3020755</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-65494</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65494</b>	RunNo: <b>85797</b>								
Prep Date: <b>2/11/2022</b>	Analysis Date: <b>2/11/2022</b>	SeqNo: <b>3020756</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.6	90	110			

**Qualifiers:**

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

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

WO#: 2202253

16-Feb-22

**Client:** EOG  
**Project:** Federal CM 1

Sample ID: <b>LCS-65400</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>65400</b>			RunNo: <b>85689</b>						
Prep Date: <b>2/7/2022</b>	Analysis Date: <b>2/8/2022</b>			SeqNo: <b>3016915</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.00	0	86.0	68.9	135			
Surr: DNOP	4.1		5.000		81.1	51.1	141			

Sample ID: <b>MB-65400</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>PBS</b>	Batch ID: <b>65400</b>			RunNo: <b>85689</b>						
Prep Date: <b>2/7/2022</b>	Analysis Date: <b>2/8/2022</b>			SeqNo: <b>3016918</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.3		10.00		93.5	51.1	141			

Sample ID: <b>MB-65410</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>PBS</b>	Batch ID: <b>65410</b>			RunNo: <b>85706</b>						
Prep Date: <b>2/8/2022</b>	Analysis Date: <b>2/9/2022</b>			SeqNo: <b>3018485</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		105	51.1	141			

Sample ID: <b>LCS-65410</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>65410</b>			RunNo: <b>85706</b>						
Prep Date: <b>2/8/2022</b>	Analysis Date: <b>2/9/2022</b>			SeqNo: <b>3018486</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	90.7	68.9	135			
Surr: DNOP	4.8		5.000		96.4	51.1	141			

Sample ID: <b>LCS-65450</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>65450</b>			RunNo: <b>85759</b>						
Prep Date: <b>2/9/2022</b>	Analysis Date: <b>2/10/2022</b>			SeqNo: <b>3019509</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	10	50.00	0	83.8	68.9	135			
Surr: DNOP	3.5		5.000		69.5	51.1	141			

**Qualifiers:**

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2202253

16-Feb-22

Client: EOG  
Project: Federal CM 1

Sample ID: MB-65450	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 65450	RunNo: 85759								
Prep Date: 2/9/2022	Analysis Date: 2/10/2022	SeqNo: 3019512		Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.9		10.00		88.7	51.1	141			

Qualifiers:

- \*

Value exceeds Maximum Contaminant Level.
- D

Sample Diluted Due to Matrix
- H

Holding times for preparation or analysis exceeded
- ND

Not Detected at the Reporting Limit
- PQL

Practical Quantitative Limit
- S

% Recovery outside of range due to dilution or matrix interference
- B

Analyte detected in the associated Method Blank
- E

Estimated value
- J

Analyte detected below quantitation limits
- P

Sample pH Not In Range
- RL

Reporting Limit

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

WO#: 2202253

16-Feb-22

**Client:** EOG  
**Project:** Federal CM 1

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

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

Sample ID: <b>lcs-65409</b>	SampType: <b>LCS</b>				TestCode: <b>EPA Method 8015D: Gasoline Range</b>					
Client ID: <b>LCSS</b>	Batch ID: <b>65409</b>				RunNo: <b>85687</b>					
Prep Date: <b>2/7/2022</b>	Analysis Date: <b>2/8/2022</b>				SeqNo: <b>3016818</b>	Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	104	78.6	131			
Surr: BFB	1100		1000		111	70	130			

Sample ID: <b>mb-65409</b>	SampType: <b>MBLK</b>				TestCode: <b>EPA Method 8015D: Gasoline Range</b>					
Client ID: <b>PBS</b>	Batch ID: <b>65409</b>				RunNo: <b>85687</b>					
Prep Date: <b>2/7/2022</b>	Analysis Date: <b>2/8/2022</b>				SeqNo: <b>3016819</b>	Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	970		1000		96.5	70	130			

**Qualifiers:**

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



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

WO#: 2202253

16-Feb-22

**Client:** EOG  
**Project:** Federal CM 1

Sample ID: <b>lcs-65402</b>	SampType: <b>LCS</b>				TestCode: <b>EPA Method 8021B: Volatiles</b>					
Client ID: <b>LCSS</b>	Batch ID: <b>65402</b>				RunNo: <b>85687</b>					
Prep Date: <b>2/7/2022</b>	Analysis Date: <b>2/8/2022</b>				SeqNo: <b>3016924</b>	Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	101	80	120			
Toluene	0.99	0.050	1.000	0	98.7	80	120			
Ethylbenzene	0.98	0.050	1.000	0	98.1	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.2	80	120			
Surr: 4-Bromofluorobenzene	0.93		1.000		93.0	70	130			

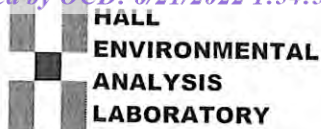
Sample ID: <b>mb-65402</b>	SampType: <b>MBLK</b>				TestCode: <b>EPA Method 8021B: Volatiles</b>					
Client ID: <b>PBS</b>	Batch ID: <b>65402</b>				RunNo: <b>85687</b>					
Prep Date: <b>2/7/2022</b>	Analysis Date: <b>2/8/2022</b>				SeqNo: <b>3016925</b>	Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.95		1.000		94.5	70	130			

Sample ID: <b>lcs-65409</b>	SampType: <b>LCS</b>				TestCode: <b>EPA Method 8021B: Volatiles</b>					
Client ID: <b>LCSS</b>	Batch ID: <b>65409</b>				RunNo: <b>85687</b>					
Prep Date: <b>2/7/2022</b>	Analysis Date: <b>2/8/2022</b>				SeqNo: <b>3016948</b>	Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	104	80	120			
Toluene	1.0	0.050	1.000	0	100	80	120			
Ethylbenzene	0.98	0.050	1.000	0	97.5	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.2	80	120			
Surr: 4-Bromofluorobenzene	0.89		1.000		88.7	70	130			

Sample ID: <b>mb-65409</b>	SampType: <b>MBLK</b>				TestCode: <b>EPA Method 8021B: Volatiles</b>					
Client ID: <b>PBS</b>	Batch ID: <b>65409</b>				RunNo: <b>85687</b>					
Prep Date: <b>2/7/2022</b>	Analysis Date: <b>2/8/2022</b>				SeqNo: <b>3016949</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		93.6	70	130			

**Qualifiers:**

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



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

## Sample Log-In Check List

Client Name: EOG

Work Order Number: 2202253

RcptNo: 1

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

Completed By: Cheyenne Cason 2/5/2022 9:16:55 AM

Reviewed By: *at 02/05/2022*Chain of Custody

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

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐  
4. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? 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:   
( $\leq 2$  or  $>12$  unless noted)  
Adjusted?   
Checked by: *che 2/5/22*

Special Handling (if applicable)

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

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

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

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

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

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

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

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.0	Good	Not Present			





## Client: EOG-Artesia / Banner Env

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

Project Name: Federal CM #1

Project #: 5375

4901 Hawkins NE - Albuquerque, NM 87109  
Tel. 505-345-3975 Fax 505-345-4107

Project Manager: W. Kierdorf

☒ Standard

☐ Level 4 (Full Validation)

☒ **NELAC**      ☐ **Other** \_\_\_\_\_


021)

5D(GRO / DRO / MRO)

(EPA 300)

## Analysis Request

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



## Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.

Turn-Around Time:

☐ Standard☒ Rush 5-day TAT

Project Name:

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

Ranger: PO Box 201179, Austin TX 78720

Project #: 5375

Federal CM #1

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: V. Kennedy

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp (including CF): 0.1 - 0.1 = 0.0

BTEX (8021)

Date Time Matrix Sample Name

Container Type and # Preservative Type HEAL No. 2202253

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

02/02/12 0900 90:1 WTH-10/0

1x402-Jr Ice 021

X X X

0905 WTH-10/12

022

X

0923 WTH-11/0

023

X

0926 WTH-11/2

024

X

0945 WTH-12/0

025

X

1000 WTH-12/2

026

X

1012 WTH-13/0

027

X

1018 WTH-13/2

028

X

1130 WTH-2/9

029

X

1308 WTH-2/14

02030

X

Date: Time: Relinquished by:

Received by: Via: Date Time

Remarks: Bill to EOG Artesia

Date: Time: Relinquished by:

Received by: Via: Date Time

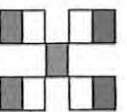
Remarks: Bill to EOG Artesia

02/04/12 1200 W. Kennedy

Received by: W. Kennedy 2/4/12 1200

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.


**HALL ENVIRONMENTAL  
ANALYSIS LABORATORY**
[www.hallenvironmental.com](http://www.hallenvironmental.com)

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request





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

March 18, 2022

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

RE: Federal CM 1

OrderNo.: 2203354

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 17 sample(s) on 3/5/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

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

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

## Analytical Report

Lab Order 2203354

Date Reported: 3/18/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WTH-14/0

Project: Federal CM 1

Collection Date: 3/3/2022 9:06:00 AM

Lab ID: 2203354-001

Matrix: SOIL

Received Date: 3/5/2022 8:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	290	60		mg/Kg	20	3/11/2022 5:54:30 PM	66133
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: TOM
Diesel Range Organics (DRO)	ND	8.3		mg/Kg	1	3/11/2022 12:28:56 PM	66036
Motor Oil Range Organics (MRO)	ND	41		mg/Kg	1	3/11/2022 12:28:56 PM	66036
Surr: DNOP	71.1	51.1-141		%Rec	1	3/11/2022 12:28:56 PM	66036
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	3/11/2022 1:09:00 AM	66025
Surr: BFB	99.0	70-130		%Rec	1	3/11/2022 1:09:00 AM	66025
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.023		mg/Kg	1	3/11/2022 1:09:00 AM	66025
Toluene	ND	0.046		mg/Kg	1	3/11/2022 1:09:00 AM	66025
Ethylbenzene	ND	0.046		mg/Kg	1	3/11/2022 1:09:00 AM	66025
Xylenes, Total	ND	0.093		mg/Kg	1	3/11/2022 1:09:00 AM	66025
Surr: 4-Bromofluorobenzene	84.9	70-130		%Rec	1	3/11/2022 1:09:00 AM	66025

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

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

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## Analytical Report

Lab Order 2203354

Date Reported: 3/18/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WTH-14/2

Project: Federal CM 1

Collection Date: 3/3/2022 9:10:00 AM

Lab ID: 2203354-002

Matrix: SOIL

Received Date: 3/5/2022 8:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	430	60		mg/Kg	20	3/11/2022 6:31:43 PM	66133
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	3/11/2022 12:43:07 PM	66036
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/11/2022 12:43:07 PM	66036
Surr: DNOP	76.5	51.1-141		%Rec	1	3/11/2022 12:43:07 PM	66036
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/11/2022 1:29:00 AM	66025
Surr: BFB	102	70-130		%Rec	1	3/11/2022 1:29:00 AM	66025
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	3/11/2022 1:29:00 AM	66025
Toluene	ND	0.050		mg/Kg	1	3/11/2022 1:29:00 AM	66025
Ethylbenzene	ND	0.050		mg/Kg	1	3/11/2022 1:29:00 AM	66025
Xylenes, Total	ND	0.10		mg/Kg	1	3/11/2022 1:29:00 AM	66025
Surr: 4-Bromofluorobenzene	87.1	70-130		%Rec	1	3/11/2022 1:29:00 AM	66025

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

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

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## Analytical Report

Lab Order 2203354

Date Reported: 3/18/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: STH-3/13

Project: Federal CM 1

Collection Date: 3/3/2022 10:09:00 AM

Lab ID: 2203354-003

Matrix: SOIL

Received Date: 3/5/2022 8:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	2600	150		mg/Kg	50	3/15/2022 8:02:04 PM	66133
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	3/11/2022 12:56:58 PM	66036
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/11/2022 12:56:58 PM	66036
Surr: DNOP	71.1	51.1-141		%Rec	1	3/11/2022 12:56:58 PM	66036
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/11/2022 1:48:00 AM	66025
Surr: BFB	103	70-130		%Rec	1	3/11/2022 1:48:00 AM	66025
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	3/11/2022 1:48:00 AM	66025
Toluene	ND	0.049		mg/Kg	1	3/11/2022 1:48:00 AM	66025
Ethylbenzene	ND	0.049		mg/Kg	1	3/11/2022 1:48:00 AM	66025
Xylenes, Total	ND	0.097		mg/Kg	1	3/11/2022 1:48:00 AM	66025
Surr: 4-Bromofluorobenzene	87.4	70-130		%Rec	1	3/11/2022 1:48:00 AM	66025

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

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

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## Analytical Report

Lab Order 2203354

Date Reported: 3/18/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: STH-3/19

Project: Federal CM 1

Collection Date: 3/3/2022 11:02:00 AM

Lab ID: 2203354-004

Matrix: SOIL

Received Date: 3/5/2022 8:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	700	60		mg/Kg	20	3/11/2022 6:56:31 PM	66133
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	3/11/2022 1:10:38 PM	66036
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/11/2022 1:10:38 PM	66036
Surr: DNOP	82.1	51.1-141		%Rec	1	3/11/2022 1:10:38 PM	66036
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/11/2022 2:47:00 AM	66025
Surr: BFB	100	70-130		%Rec	1	3/11/2022 2:47:00 AM	66025
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	3/11/2022 2:47:00 AM	66025
Toluene	ND	0.049		mg/Kg	1	3/11/2022 2:47:00 AM	66025
Ethylbenzene	ND	0.049		mg/Kg	1	3/11/2022 2:47:00 AM	66025
Xylenes, Total	ND	0.099		mg/Kg	1	3/11/2022 2:47:00 AM	66025
Surr: 4-Bromofluorobenzene	85.2	70-130		%Rec	1	3/11/2022 2:47:00 AM	66025

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

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

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## Analytical Report

Lab Order 2203354

Date Reported: 3/18/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: STH-5/4

Project: Federal CM 1

Collection Date: 3/3/2022 11:44:00 AM

Lab ID: 2203354-005

Matrix: SOIL

Received Date: 3/5/2022 8:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	750	60		mg/Kg	20	3/11/2022 7:08:55 PM	66133
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	3/11/2022 1:24:30 PM	66036
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/11/2022 1:24:30 PM	66036
Surr: DNOP	66.2	51.1-141		%Rec	1	3/11/2022 1:24:30 PM	66036
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/11/2022 3:07:00 AM	66025
Surr: BFB	99.6	70-130		%Rec	1	3/11/2022 3:07:00 AM	66025
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.023		mg/Kg	1	3/11/2022 3:07:00 AM	66025
Toluene	ND	0.047		mg/Kg	1	3/11/2022 3:07:00 AM	66025
Ethylbenzene	ND	0.047		mg/Kg	1	3/11/2022 3:07:00 AM	66025
Xylenes, Total	ND	0.093		mg/Kg	1	3/11/2022 3:07:00 AM	66025
Surr: 4-Bromofluorobenzene	84.5	70-130		%Rec	1	3/11/2022 3:07:00 AM	66025

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

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

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## Analytical Report

Lab Order 2203354

Date Reported: 3/18/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: STH-5/7

Project: Federal CM 1

Collection Date: 3/3/2022 11:50:00 AM

Lab ID: 2203354-006

Matrix: SOIL

Received Date: 3/5/2022 8:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	370	61		mg/Kg	20	3/11/2022 7:21:19 PM	66133
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	3/11/2022 1:38:09 PM	66036
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/11/2022 1:38:09 PM	66036
Surr: DNOP	87.6	51.1-141		%Rec	1	3/11/2022 1:38:09 PM	66036
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/11/2022 3:27:00 AM	66025
Surr: BFB	99.4	70-130		%Rec	1	3/11/2022 3:27:00 AM	66025
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	3/11/2022 3:27:00 AM	66025
Toluene	ND	0.048		mg/Kg	1	3/11/2022 3:27:00 AM	66025
Ethylbenzene	ND	0.048		mg/Kg	1	3/11/2022 3:27:00 AM	66025
Xylenes, Total	ND	0.096		mg/Kg	1	3/11/2022 3:27:00 AM	66025
Surr: 4-Bromofluorobenzene	86.4	70-130		%Rec	1	3/11/2022 3:27:00 AM	66025

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

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

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## Analytical Report

Lab Order 2203354

Date Reported: 3/18/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: STH-6/3

Project: Federal CM 1

Collection Date: 3/3/2022 12:14:00 PM

Lab ID: 2203354-007

Matrix: SOIL

Received Date: 3/5/2022 8:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	710	60		mg/Kg	20	3/11/2022 7:33:44 PM	66133
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	3/11/2022 1:51:56 PM	66036
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	3/11/2022 1:51:56 PM	66036
Surr: DNOP	87.6	51.1-141		%Rec	1	3/11/2022 1:51:56 PM	66036
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/11/2022 3:46:00 AM	66025
Surr: BFB	99.5	70-130		%Rec	1	3/11/2022 3:46:00 AM	66025
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	3/11/2022 3:46:00 AM	66025
Toluene	ND	0.048		mg/Kg	1	3/11/2022 3:46:00 AM	66025
Ethylbenzene	ND	0.048		mg/Kg	1	3/11/2022 3:46:00 AM	66025
Xylenes, Total	ND	0.097		mg/Kg	1	3/11/2022 3:46:00 AM	66025
Surr: 4-Bromofluorobenzene	86.9	70-130		%Rec	1	3/11/2022 3:46:00 AM	66025

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

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

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## Analytical Report

Lab Order 2203354

Date Reported: 3/18/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: STH-6/6

Project: Federal CM 1

Collection Date: 3/3/2022 1:28:00 PM

Lab ID: 2203354-008

Matrix: SOIL

Received Date: 3/5/2022 8:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	280	60		mg/Kg	20	3/11/2022 7:46:09 PM	66133
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	3/11/2022 2:05:50 PM	66036
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/11/2022 2:05:50 PM	66036
Surr: DNOP	77.6	51.1-141		%Rec	1	3/11/2022 2:05:50 PM	66036
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/11/2022 4:06:00 AM	66025
Surr: BFB	99.9	70-130		%Rec	1	3/11/2022 4:06:00 AM	66025
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	3/11/2022 4:06:00 AM	66025
Toluene	ND	0.049		mg/Kg	1	3/11/2022 4:06:00 AM	66025
Ethylbenzene	ND	0.049		mg/Kg	1	3/11/2022 4:06:00 AM	66025
Xylenes, Total	ND	0.099		mg/Kg	1	3/11/2022 4:06:00 AM	66025
Surr: 4-Bromofluorobenzene	86.2	70-130		%Rec	1	3/11/2022 4:06:00 AM	66025

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

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

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## Analytical Report

Lab Order 2203354

Date Reported: 3/18/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: STH-7/3

Project: Federal CM 1

Collection Date: 3/3/2022 1:50:00 PM

Lab ID: 2203354-009

Matrix: SOIL

Received Date: 3/5/2022 8:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	1800	59		mg/Kg	20	3/11/2022 8:23:21 PM	66133
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	3/11/2022 2:19:53 PM	66036
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	3/11/2022 2:19:53 PM	66036
Surr: DNOP	71.7	51.1-141		%Rec	1	3/11/2022 2:19:53 PM	66036
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/11/2022 4:25:00 AM	66025
Surr: BFB	96.8	70-130		%Rec	1	3/11/2022 4:25:00 AM	66025
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.023		mg/Kg	1	3/11/2022 4:25:00 AM	66025
Toluene	ND	0.047		mg/Kg	1	3/11/2022 4:25:00 AM	66025
Ethylbenzene	ND	0.047		mg/Kg	1	3/11/2022 4:25:00 AM	66025
Xylenes, Total	ND	0.094		mg/Kg	1	3/11/2022 4:25:00 AM	66025
Surr: 4-Bromofluorobenzene	86.2	70-130		%Rec	1	3/11/2022 4:25:00 AM	66025

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

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

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## Analytical Report

Lab Order 2203354

Date Reported: 3/18/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: STH-7/6

Project: Federal CM 1

Collection Date: 3/3/2022 2:08:00 PM

Lab ID: 2203354-010

Matrix: SOIL

Received Date: 3/5/2022 8:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	150	61		mg/Kg	20	3/11/2022 8:35:46 PM	66133
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	3/11/2022 2:34:06 PM	66036
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/11/2022 2:34:06 PM	66036
Surr: DNOP	73.3	51.1-141		%Rec	1	3/11/2022 2:34:06 PM	66036
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/11/2022 4:45:00 AM	66025
Surr: BFB	101	70-130		%Rec	1	3/11/2022 4:45:00 AM	66025
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	3/11/2022 4:45:00 AM	66025
Toluene	ND	0.048		mg/Kg	1	3/11/2022 4:45:00 AM	66025
Ethylbenzene	ND	0.048		mg/Kg	1	3/11/2022 4:45:00 AM	66025
Xylenes, Total	ND	0.095		mg/Kg	1	3/11/2022 4:45:00 AM	66025
Surr: 4-Bromofluorobenzene	87.3	70-130		%Rec	1	3/11/2022 4:45:00 AM	66025

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

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

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## Analytical Report

Lab Order 2203354

Date Reported: 3/18/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: STH-9/1

Project: Federal CM 1

Collection Date: 3/3/2022 2:20:00 PM

Lab ID: 2203354-011

Matrix: SOIL

Received Date: 3/5/2022 8:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	ND	60		mg/Kg	20	3/11/2022 8:48:10 PM	66133
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	3/11/2022 2:48:00 PM	66036
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/11/2022 2:48:00 PM	66036
Surr: DNOP	78.8	51.1-141		%Rec	1	3/11/2022 2:48:00 PM	66036
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/11/2022 5:05:00 AM	66025
Surr: BFB	101	70-130		%Rec	1	3/11/2022 5:05:00 AM	66025
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	3/11/2022 5:05:00 AM	66025
Toluene	ND	0.050		mg/Kg	1	3/11/2022 5:05:00 AM	66025
Ethylbenzene	ND	0.050		mg/Kg	1	3/11/2022 5:05:00 AM	66025
Xylenes, Total	ND	0.099		mg/Kg	1	3/11/2022 5:05:00 AM	66025
Surr: 4-Bromofluorobenzene	86.0	70-130		%Rec	1	3/11/2022 5:05:00 AM	66025

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

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

## Analytical Report

Lab Order 2203354

Date Reported: 3/18/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: STH-9/4

Project: Federal CM 1

Collection Date: 3/3/2022 2:31:00 PM

Lab ID: 2203354-012

Matrix: SOIL

Received Date: 3/5/2022 8:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	620	60		mg/Kg	20	3/11/2022 9:00:34 PM	66133
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	3/11/2022 3:02:14 PM	66036
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	3/11/2022 3:02:14 PM	66036
Surr: DNOP	75.6	51.1-141		%Rec	1	3/11/2022 3:02:14 PM	66036
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/11/2022 5:24:00 AM	66025
Surr: BFB	101	70-130		%Rec	1	3/11/2022 5:24:00 AM	66025
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.023		mg/Kg	1	3/11/2022 5:24:00 AM	66025
Toluene	ND	0.047		mg/Kg	1	3/11/2022 5:24:00 AM	66025
Ethylbenzene	ND	0.047		mg/Kg	1	3/11/2022 5:24:00 AM	66025
Xylenes, Total	ND	0.094		mg/Kg	1	3/11/2022 5:24:00 AM	66025
Surr: 4-Bromofluorobenzene	88.0	70-130		%Rec	1	3/11/2022 5:24:00 AM	66025

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

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

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## Analytical Report

Lab Order 2203354

Date Reported: 3/18/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: STH-8/10

Project: Federal CM 1

Collection Date: 3/3/2022 3:15:00 PM

Lab ID: 2203354-013

Matrix: SOIL

Received Date: 3/5/2022 8:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	2500	150		mg/Kg	50	3/16/2022 11:59:51 PM	66133
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	3/11/2022 3:16:15 PM	66036
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/11/2022 3:16:15 PM	66036
Surr: DNOP	63.4	51.1-141		%Rec	1	3/11/2022 3:16:15 PM	66036
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/11/2022 5:44:00 AM	66025
Surr: BFB	102	70-130		%Rec	1	3/11/2022 5:44:00 AM	66025
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	3/11/2022 5:44:00 AM	66025
Toluene	ND	0.049		mg/Kg	1	3/11/2022 5:44:00 AM	66025
Ethylbenzene	ND	0.049		mg/Kg	1	3/11/2022 5:44:00 AM	66025
Xylenes, Total	ND	0.099		mg/Kg	1	3/11/2022 5:44:00 AM	66025
Surr: 4-Bromofluorobenzene	87.3	70-130		%Rec	1	3/11/2022 5:44:00 AM	66025

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

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

## Analytical Report

Lab Order 2203354

Date Reported: 3/18/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: STH-8/17

Project: Federal CM 1

Collection Date: 3/3/2022 3:38:00 PM

Lab ID: 2203354-014

Matrix: SOIL

Received Date: 3/5/2022 8:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	4100	150		mg/Kg	50	3/15/2022 8:26:45 PM	66133
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: TOM
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	3/11/2022 3:30:30 PM	66036
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	3/11/2022 3:30:30 PM	66036
Surr: DNOP	74.6	51.1-141		%Rec	1	3/11/2022 3:30:30 PM	66036
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/10/2022 9:18:53 PM	66026
Surr: BFB	105	70-130		%Rec	1	3/10/2022 9:18:53 PM	66026
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	3/10/2022 9:18:53 PM	66026
Toluene	ND	0.050		mg/Kg	1	3/10/2022 9:18:53 PM	66026
Ethylbenzene	ND	0.050		mg/Kg	1	3/10/2022 9:18:53 PM	66026
Xylenes, Total	ND	0.099		mg/Kg	1	3/10/2022 9:18:53 PM	66026
Surr: 4-Bromofluorobenzene	96.2	70-130		%Rec	1	3/10/2022 9:18:53 PM	66026

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

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

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## Analytical Report

Lab Order 2203354

Date Reported: 3/18/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: STH-8/19

Project: Federal CM 1

Collection Date: 3/3/2022 3:44:00 PM

Lab ID: 2203354-015

Matrix: SOIL

Received Date: 3/5/2022 8:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	2900	150		mg/Kg	50	3/15/2022 8:39:06 PM	66133
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	3/11/2022 3:44:44 PM	66050
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	3/11/2022 3:44:44 PM	66050
Surr: DNOP	79.0	51.1-141		%Rec	1	3/11/2022 3:44:44 PM	66050
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/10/2022 10:29:31 PM	66026
Surr: BFB	106	70-130		%Rec	1	3/10/2022 10:29:31 PM	66026
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	3/10/2022 10:29:31 PM	66026
Toluene	ND	0.048		mg/Kg	1	3/10/2022 10:29:31 PM	66026
Ethylbenzene	ND	0.048		mg/Kg	1	3/10/2022 10:29:31 PM	66026
Xylenes, Total	ND	0.096		mg/Kg	1	3/10/2022 10:29:31 PM	66026
Surr: 4-Bromofluorobenzene	96.8	70-130		%Rec	1	3/10/2022 10:29:31 PM	66026

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

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

## Analytical Report

Lab Order 2203354

Date Reported: 3/18/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: STH-10/1

Project: Federal CM 1

Collection Date: 3/3/2022 4:02:00 PM

Lab ID: 2203354-016

Matrix: SOIL

Received Date: 3/5/2022 8:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	1200	60		mg/Kg	20	3/11/2022 9:50:12 PM	66133
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: TOM
Diesel Range Organics (DRO)	25	9.2		mg/Kg	1	3/11/2022 4:41:13 PM	66050
Motor Oil Range Organics (MRO)	52	46		mg/Kg	1	3/11/2022 4:41:13 PM	66050
Surr: DNOP	55.8	51.1-141		%Rec	1	3/11/2022 4:41:13 PM	66050
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/10/2022 11:39:59 PM	66026
Surr: BFB	102	70-130		%Rec	1	3/10/2022 11:39:59 PM	66026
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	3/10/2022 11:39:59 PM	66026
Toluene	ND	0.048		mg/Kg	1	3/10/2022 11:39:59 PM	66026
Ethylbenzene	ND	0.048		mg/Kg	1	3/10/2022 11:39:59 PM	66026
Xylenes, Total	ND	0.096		mg/Kg	1	3/10/2022 11:39:59 PM	66026
Surr: 4-Bromofluorobenzene	94.4	70-130		%Rec	1	3/10/2022 11:39:59 PM	66026

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

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



## Analytical Report

Lab Order 2203354

Date Reported: 3/18/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: STH-10/4

Project: Federal CM 1

Collection Date: 3/3/2022 4:06:00 PM

Lab ID: 2203354-017

Matrix: SOIL

Received Date: 3/5/2022 8:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	420	60		mg/Kg	20	3/11/2022 10:02:36 PM	66133
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	3/11/2022 5:09:29 PM	66050
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	3/11/2022 5:09:29 PM	66050
Surr: DNOP	79.6	51.1-141		%Rec	1	3/11/2022 5:09:29 PM	66050
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	3/11/2022 12:03:27 AM	66026
Surr: BFB	104	70-130		%Rec	1	3/11/2022 12:03:27 AM	66026
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.023		mg/Kg	1	3/11/2022 12:03:27 AM	66026
Toluene	ND	0.046		mg/Kg	1	3/11/2022 12:03:27 AM	66026
Ethylbenzene	ND	0.046		mg/Kg	1	3/11/2022 12:03:27 AM	66026
Xylenes, Total	ND	0.092		mg/Kg	1	3/11/2022 12:03:27 AM	66026
Surr: 4-Bromofluorobenzene	96.4	70-130		%Rec	1	3/11/2022 12:03:27 AM	66026

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

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

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2203354

18-Mar-22

Client: EOG  
Project: Federal CM 1

Sample ID: <b>MB-66133</b>		SampType: <b>mblk</b>		TestCode: <b>EPA Method 300.0: Anions</b>						
Client ID: <b>PBS</b>		Batch ID: <b>66133</b>		RunNo: <b>86445</b>						
Prep Date: <b>3/11/2022</b>		Analysis Date: <b>3/11/2022</b>		SeqNo: <b>3049868</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-66133</b>		SampType: <b>lcs</b>		TestCode: <b>EPA Method 300.0: Anions</b>						
Client ID: <b>LCSS</b>		Batch ID: <b>66133</b>		RunNo: <b>86445</b>						
Prep Date: <b>3/11/2022</b>		Analysis Date: <b>3/11/2022</b>		SeqNo: <b>3049869</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.0	90	110			

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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

WO#: 2203354

18-Mar-22

**Client:** EOG  
**Project:** Federal CM 1

Sample ID: <b>MB-66050</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>66050</b>	RunNo: <b>86373</b>								
Prep Date: <b>3/9/2022</b>	Analysis Date: <b>3/10/2022</b>	SeqNo: <b>3047399</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	12		10.00		116	51.1	141			

Sample ID: <b>LCS-66036</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>66036</b>	RunNo: <b>86373</b>								
Prep Date: <b>3/9/2022</b>	Analysis Date: <b>3/10/2022</b>	SeqNo: <b>3047412</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	95.3	68.9	135			
Surr: DNOP	4.9		5.000		98.7	51.1	141			

Sample ID: <b>LCS-66050</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>66050</b>	RunNo: <b>86373</b>								
Prep Date: <b>3/9/2022</b>	Analysis Date: <b>3/10/2022</b>	SeqNo: <b>3047414</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	91	10	100.0	0	91.3	68.9	135			
Surr: DNOP	9.9		10.00		99.3	51.1	141			

Sample ID: <b>MB-66036</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>66036</b>	RunNo: <b>86373</b>								
Prep Date: <b>3/9/2022</b>	Analysis Date: <b>3/10/2022</b>	SeqNo: <b>3047440</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		106	51.1	141			

**Qualifiers:**

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

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

WO#: 2203354

18-Mar-22

**Client:** EOG  
**Project:** Federal CM 1

Sample ID: <b>mb-66026</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>66026</b>	RunNo: <b>86398</b>								
Prep Date: <b>3/8/2022</b>	Analysis Date: <b>3/10/2022</b>	SeqNo: <b>3047578</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		106	70	130			

Sample ID: <b>lcs-66026</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>66026</b>	RunNo: <b>86398</b>								
Prep Date: <b>3/8/2022</b>	Analysis Date: <b>3/10/2022</b>	SeqNo: <b>3047579</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	107	78.6	131			
Surr: BFB	2200		1000		224	70	130			S

Sample ID: <b>lcs-66025</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>66025</b>	RunNo: <b>86391</b>								
Prep Date: <b>3/8/2022</b>	Analysis Date: <b>3/10/2022</b>	SeqNo: <b>3047898</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	25.00	0	114	78.6	131			
Surr: BFB	2300		1000		231	70	130			S

Sample ID: <b>mb-66025</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>66025</b>	RunNo: <b>86391</b>								
Prep Date: <b>3/8/2022</b>	Analysis Date: <b>3/10/2022</b>	SeqNo: <b>3047899</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		102	70	130			

**Qualifiers:**

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

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

WO#: 2203354

18-Mar-22

**Client:** EOG  
**Project:** Federal CM 1

Sample ID: <b>mb-66026</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>66026</b>	RunNo: <b>86398</b>								
Prep Date: <b>3/8/2022</b>	Analysis Date: <b>3/10/2022</b>	SeqNo: <b>3047626</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	0.98		1.000		97.5	70	130			

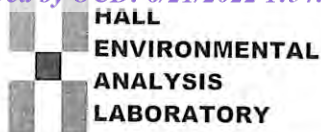
Sample ID: <b>LCS-66026</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>66026</b>	RunNo: <b>86398</b>								
Prep Date: <b>3/8/2022</b>	Analysis Date: <b>3/10/2022</b>	SeqNo: <b>3047627</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.025	1.000	0	89.1	80	120			
Toluene	0.94	0.050	1.000	0	93.8	80	120			
Ethylbenzene	0.95	0.050	1.000	0	95.3	80	120			
Xylenes, Total	2.8	0.10	3.000	0	94.7	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		102	70	130			

Sample ID: <b>lcs-66025</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>66025</b>	RunNo: <b>86391</b>								
Prep Date: <b>3/8/2022</b>	Analysis Date: <b>3/10/2022</b>	SeqNo: <b>3047952</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	94.5	80	120			
Ethylbenzene	0.95	0.050	1.000	0	95.1	80	120			
Xylenes, Total	2.8	0.10	3.000	0	94.6	80	120			
Surr: 4-Bromofluorobenzene	0.88		1.000		88.1	70	130			

Sample ID: <b>mb-66025</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>66025</b>	RunNo: <b>86391</b>								
Prep Date: <b>3/8/2022</b>	Analysis Date: <b>3/10/2022</b>	SeqNo: <b>3047953</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.88		1.000		87.7	70	130			

**Qualifiers:**

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



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

## Sample Log-In Check List

Client Name: EOG

Work Order Number: 2203354

RcptNo: 1

Received By: Cheyenne Cason 3/5/2022 8:55:00 AM

Completed By: Cheyenne Cason 3/5/2022 9:26:41 AM

Reviewed By: *Cue* 3/5/22

### Chain of Custody

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

### Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? 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: *KPG* 3/5/22

### Special Handling (if applicable)

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

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

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

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

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

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

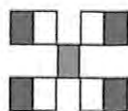
Client Instructions: \_\_\_\_\_

16. Additional remarks:

### 17. Cooler Information

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





# 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 <u>5-day</u>	
Project Name:		<u>Federal CM #1</u>	
Project #:		5375	
Project Manager: W. Kierdorf			
Sampler: <u>W. Kierdorf</u>			
On Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
# of Coolers: <u>3</u>			
Cooler Temp (including CF): <u>See Checklist</u>			
Date	Time	Matrix	Sample Name
3/13/12	0900	Sol	WTH-14/0
3/13/12	0910	Sol	WTH-14/2
3/13/12	1009	Sol	STH-3/13
3/13/12	1102	Sol	STH-3/14
3/13/12	1144	Sol	STH-5/14
3/13/12	1150	Sol	STH-5/17
3/13/12	1214	Sol	STH-6/13
3/13/12	1328	Sol	STH-6/16
3/13/12	1350	Sol	STH-7/13
3/13/12	1408	Sol	STH-7/16
3/13/12	1420	Sol	STH-9/11
3/13/12	1431	Sol	STH-9/14
Date:	Time:	Relinquished by:	
3/14/12	0800	W. Kierdorf	
Date:	Time:	Relinquished by:	
3/14/12	1400	W. Kierdorf	

Container Type and #	Preservative Type	HEAL No.
144251w	ICE	2203354
		001
		002
		003
		004
		005
		006
		007
		008
		009
		010
		011
		012

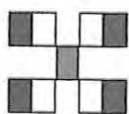
Received by: W. Kierdorf Date: 3/14/12 Time: 0800

Received by: W. Kierdorf Date: 3/14/12 Time: 0800

Received by: W. Kierdorf Date: 3/14/12 Time: 0800

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





**HALL ENVIRONMENTAL  
ANALYSIS LABORATORY**

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

4901 Hawkins NE - Albuquerque, NM 87109

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

## Analysis Request

[illegible]

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.

Incident ID	nAPP2208340165
District RP	
Facility ID	
Application ID	

## Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release? *\*The depth to groundwater still has to be confirmed via the installation of a temporary monitoring well. This plan has been submitted based upon the assumption that the depth to groundwater is greater than 100'. EOG will be proceeding with the installation of the temporary monitor well in order to confirm the site-specific depth to groundwater.*

>100' (ft bgs)

Did this release impact groundwater or surface water?

☐ Yes ☒ No

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

☒ Yes ☐ No

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

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

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

*\*This data will be garnered through the installation of a temporary monitoring well at the subject site.*

## Oil Conservation Division

Incident ID	nAPP2208340165
District RP	
Facility ID	
Application ID	

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

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

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

Signature: Chase Settle Date: 06/21/2022

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

**OCD Only**

Received by: Robert Hamlet Date: 10/27/2022

**District I**

1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**

811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**

1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**

1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 119174

**CONDITIONS**

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 119174
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
rhamlet	Thank you for the site assessment. Please make sure all sample locations are fully delineated. Floor confirmation samples should be delineated/excavated to meet closure criteria standards for site assessment/characterization/proven depth to water determination. All off pad areas must contain a minimum of 4 feet non-waste containing uncontaminated, earthen material with chloride concentrations less than 600 mg/kg and less than 100 mg/kg for TPH. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Confirmation samples should be collected every 200 ft2. A remediation plan should be submitted within 90 days of the date of discovery.	10/27/2022