RANGER
ENVIRONMENTAL SERVICES, INC.

SITE ASSESSMENT/CHARACTERIZATION REPORT

FEDERAL CM COM #1 (WELLHEAD AREA)
UNIT M, SECTION 12, TOWNSHIP 19S, RANGE 24E
EDDY COUNTY, NEW MEXICO
32.67054, -104.54807
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 16, 2022

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

William Kierdorf, REM
Project Manager

TABLE OF CONTENTS

RANGER
ENVIRONMENTAL SERVICES, INC.

SITE ASSESSMENT/CHARACTERIZATION REPORT
FEDERAL CM COM #1 (WELLHEAD AREA)
UNIT M, SECTION 12, TOWNSHIP 19S, RANGE 24E
EDDY COUNTY, NEW MEXICO
32.67054, -104.54807
RANGER REFERENCE NO. 5375

1.0 SITE LOCATION AND BACKGROUND

The Federal CM #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 in the immediate vicinity of the historic wellhead location. The information provided was limited to a general area and notes of potential elevated chloride concentrations.

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 area in the vicinity of the former wellhead location. During the inspection, an area located to the south-southeast of the former wellhead was noted to be lacking vegetation growth similar to that of the 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 the site assessment activities and the apparent size of the impacted area, the incident was reported to the Nex Mexico Oil Conservation Division (NMOCD) on March 23, 2022 (NMOCD Incident # nAPP2208339578).

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 with a half-mile of the site is Seven Mile Draw, located approximately 550 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 for 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. Upon inspection, an area located south-southeast of the former wellhead location was noted to lack vegetation in comparison to the 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 14 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 nine of the 14 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, three of the nine samples selected for laboratory analysis were documented to contain chloride and/or TPH concentrations in exceedance of the 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 site additional assessment activities in the vicinity of the former wellhead location. The assessment process included the installation of test excavations and the collection of soil samples for field screening and laboratory analysis. A total of 14 test excavations were completed ("WTH-1" through "WTH-14") to a maximum depth of approximately 12 feet below ground surface (bgs).

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 seven 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 for laboratory analysis. A total of 28 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 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 nine 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	nAPP2208339578
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 # *(nAPP2208339578*
Contact mailing address 104 S. 4th Street, Artesia, NM 88210	

Location of Release Source

Latitude 32.67054 Longitude -104.54807
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Federal CM Com #1	Site Type Wellpad
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)

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☑ Produced Water	Volume Released (bbls) Unknown	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☑ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ 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 of the previously reclaimed well pad 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.

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2208339578
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☑ 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

☑ The source of the release has been stopped.
☑ The impacted area has been secured to protect human health and the environment.
☑ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☑ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not 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: Chase Settle Title: Rep Safety & Environmental Sr

Signature: Chase Settle Date: 03/24/2022

email: Chase_Settle@eogresources.com Telephone: 575-748-1471

OCD Only

Received by: Jocelyn Harimon Date: 03/24/2022

State of New Mexico
Oil Conservation Division

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?	☐ 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

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

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature:_____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

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: _____

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☐ Description of remediation activities

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

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

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 92909
	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

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2208339578
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.**

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2208339578
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

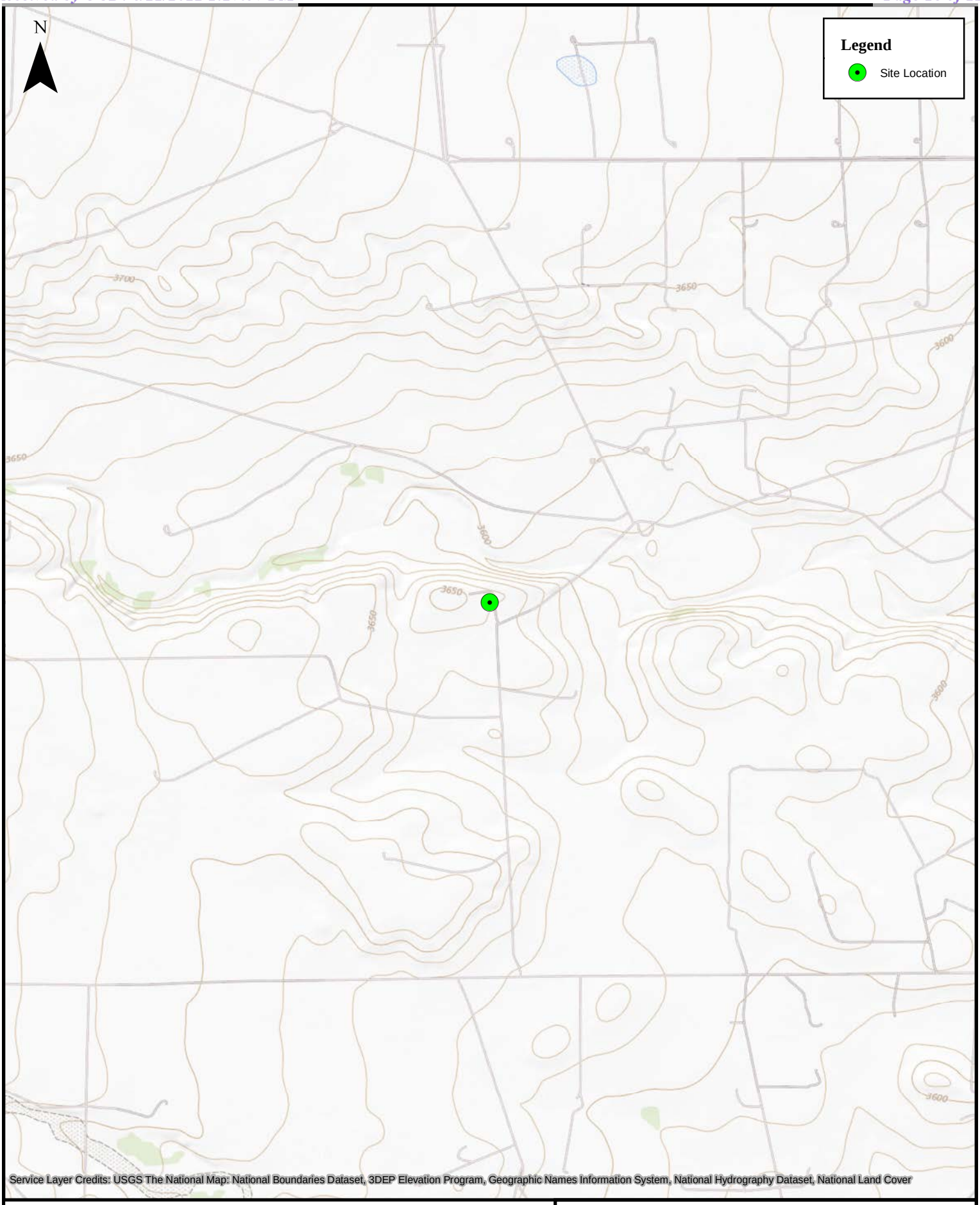
email: Chase_Settle@eogresources.com Telephone: 575-748-1471

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



RANGER ENVIRONMENTAL SERVICES, INC.

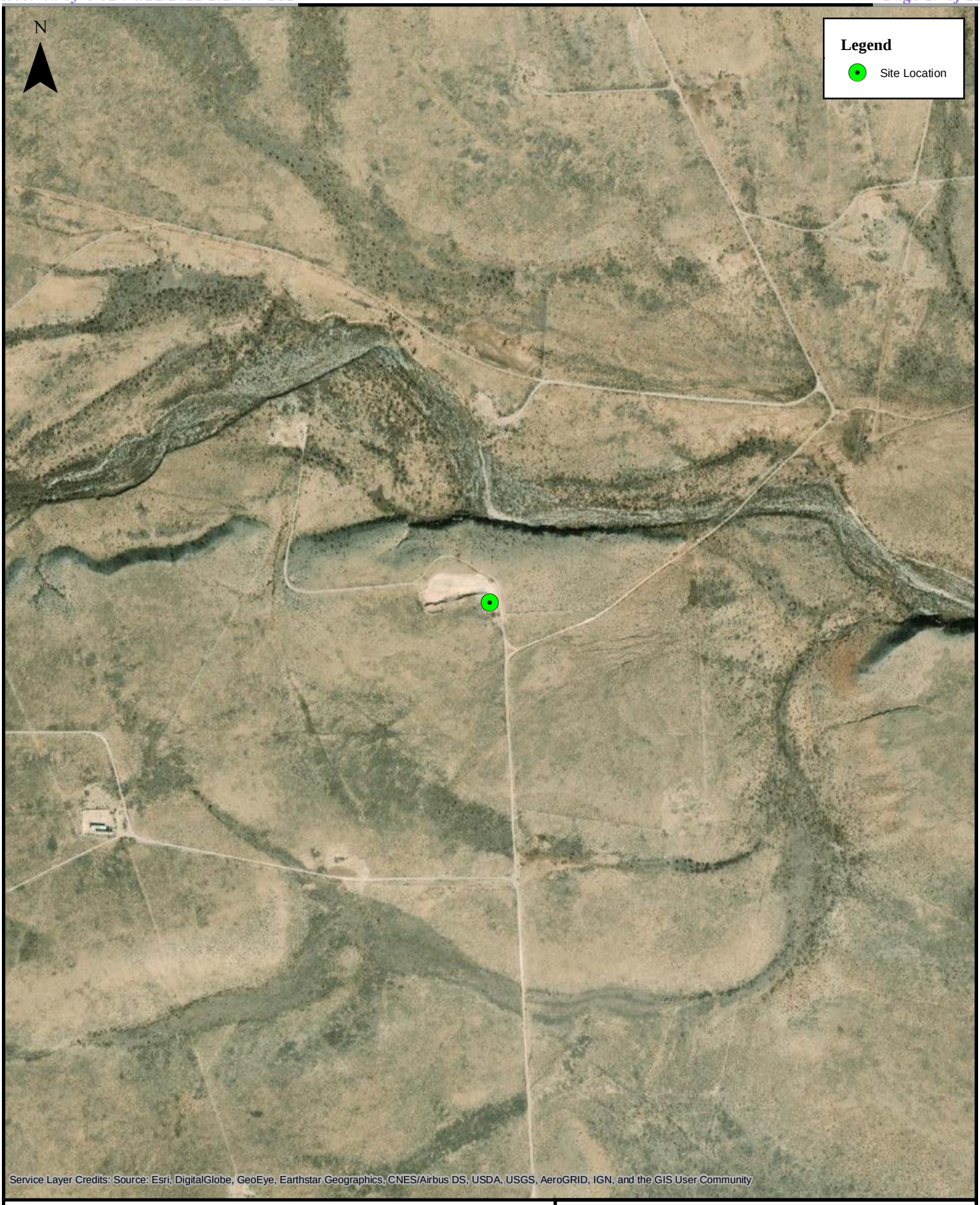
0 600 1,200 2,400 3,600 4,800 Feet

1:24,000

Topographic Map

Federal CM #1 (Wellhead Area)

EOG Resources, Inc.



RANGER ENVIRONMENTAL SERVICES, INC.

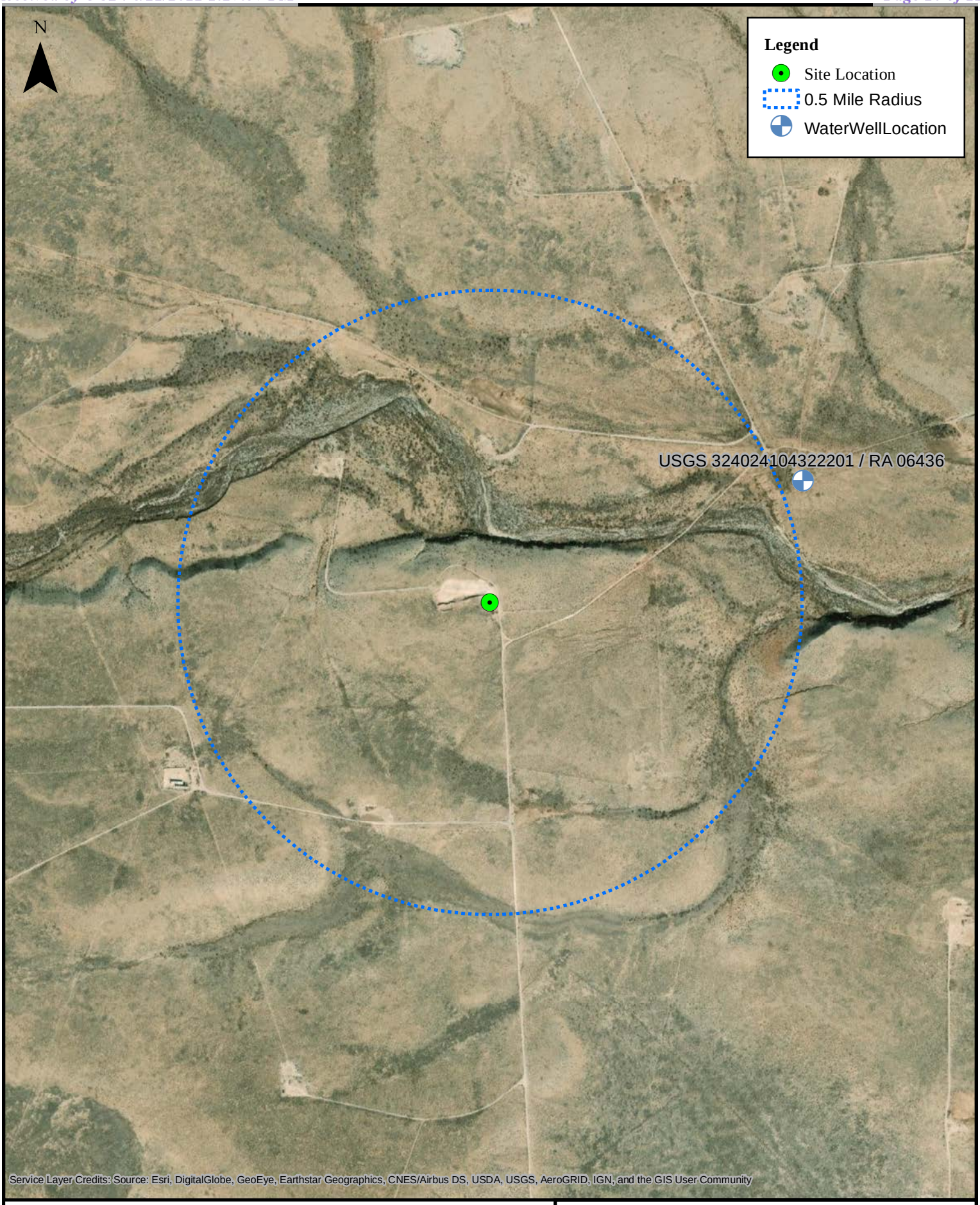
0 250 500 1,000 1,500 2,000 Feet

1:10,000

Area Map

Federal CM #1 (Wellhead Area)

EOG Resources, Inc.



RANGER ENVIRONMENTAL SERVICES, INC.

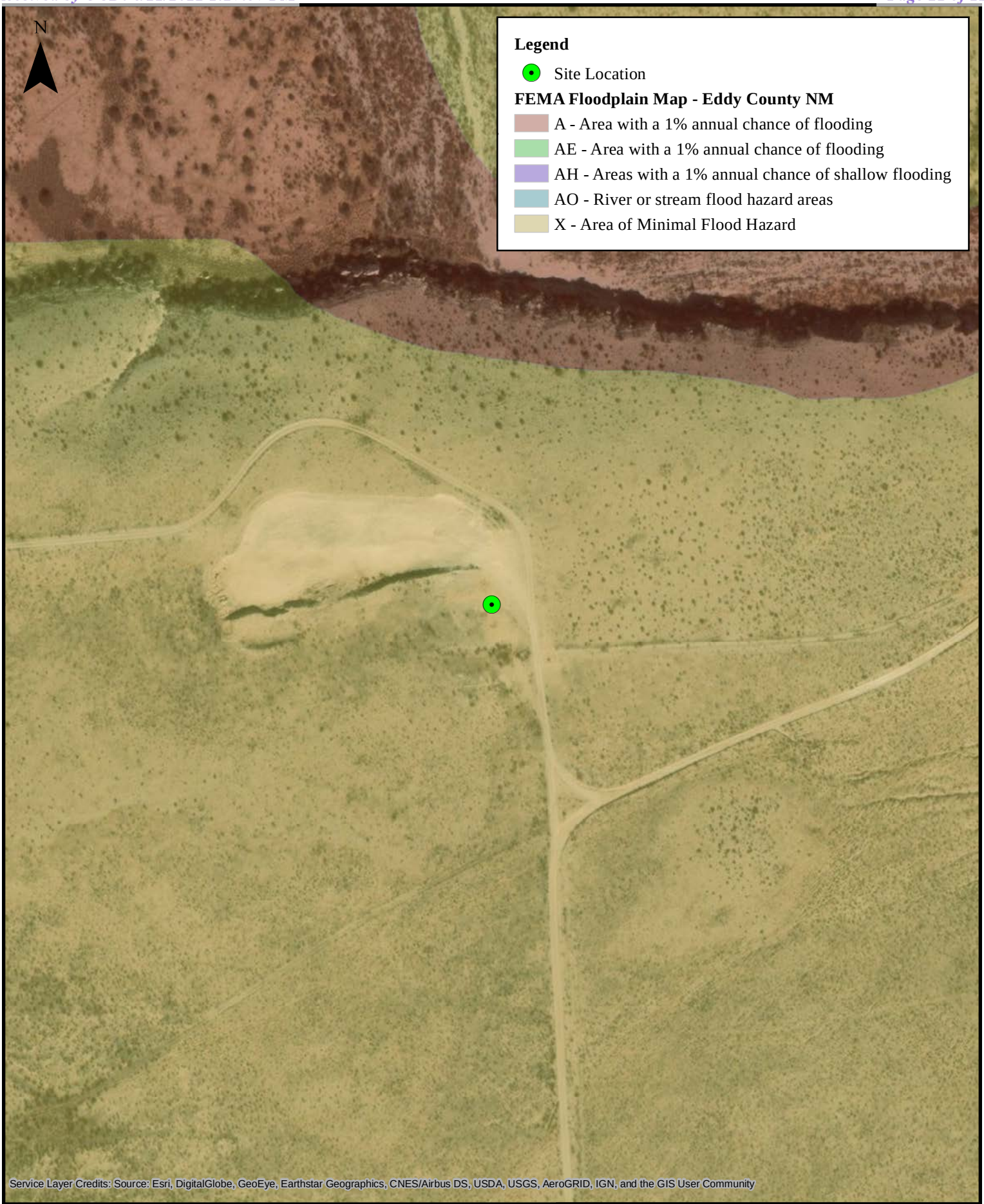
0 312.5 625 1,250 1,875 2,500 Feet

1:12,500

Water Well Location Map

Federal CM #1 (Wellhead Area)

EOG Resources, Inc.



RANGER ENVIRONMENTAL SERVICES, INC.

0 62.5 125 250 375 500 Feet

1:2,500

National Wetland Inventory Map

Federal CM #1 (Wellhead Area)

EOG Resources, Inc.

RANGER ENVIRONMENTAL SERVICES, INC.

0 62.5 125 250 375 500 Feet

1:2,500

Karst Topography Map

Federal CM #1 (Wellhead Area)

EOG Resources, Inc.

NOTES:
1.ALL PROPERTY BOUNDARIES ARE APPROXIMATE AND NOT TO BE USED FOR CONSTRUCTION PURPOSES.
2.AERIAL IMAGERY IS UTILIZED AS A POINT OF REFERENCE; SITE DETAILS AND SCALE ARE APPROXIMATE.
3.AERIAL MAP IS AN ARCHIVED IMAGE AND MAY NOT REFLECT CURRENT CONDITIONS.
Image Source: Google Earth (Date: 12/2019)

RANGER ENVIRONMENTAL SERVICES, INC.

0 3.5 7 14 21 28 Feet

1:150

Assessment Sample Location Map
Federal CM #1 (Wellhead 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 (WELLHEAD 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
January 5, 2022 - Surface Soil Samples													
WHS-3	1/5/2022	0'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	41	160	41	**200**	<60
WHS-4	1/5/2022	0'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	19	74	19	92	<60
WHS-5	1/5/2022	0'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	<9.6	<48	<9.6	<48	<59
WHS-6	1/5/2022	0'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	29	84	29	**110**	**10,000**
WHS-8	1/5/2022	0'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	63	190	63	**250**	**18,000**
WHS-10	1/5/2022	0'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.6	<48	<9.6	<48	<60
WHS-11	1/5/2022	0'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<9.6	<48	<9.6	<48	<60
WHS-13	1/5/2022	0'	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	<9.4	<47	<9.4	<47	<60
WHS-14	1/5/2022	0'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	13	53	13	67	<60
Test Excavation Soil Samples													
WTH-1/5	1/31/2022	5'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<9.6	<48	<9.6	<48	**630**
WTH-1/12	1/31/2022	12'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.8	<49	<9.8	<49	380
WTH-2/3	1/31/2022	3'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<10	<50	<10	<50	**5,200**
WTH-2/6	1/31/2022	6'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<9.5	<47	<9.5	<47	380
WTH-3/3	1/31/2022	3'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.8	<49	<9.8	<49	**940**
WTH-3/6	1/31/2022	6'	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	<9.9	<49	<9.9	<49	290
WTH-4/1	1/31/2022	1'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	<9.6	<48	<9.6	<48	140
WTH-4/4	1/31/2022	4'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	36	110	36	146	310
WTH-5/1	2/1/2022	1'	<0.023	<0.046	<0.046	<0.093	<0.09	<4.6	<10	<50	<10	<50	**1,200**
WTH-5/4	2/1/2022	4'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	95	200	95	295	760
WTH-6/2	2/1/2022	2'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	12	<49	12	12	**1,600**
WTH-6/5	2/1/2022	5'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<10	<50	<10	<50	390
WTH-7/2	2/1/2022	2'	<0.024	<0.047	<0.047	<0.094	<0.09	<4.7	<9.7	<49	<9.7	<49	**1,100**
WTH-7/6	2/1/2022	6'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.0	<45	<9.0	<45	450
WTH-8/1	2/1/2022	1'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.7	<48	<9.7	<48	**2,800**
WTH-8/4	2/1/2022	4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.9	<49	<9.9	<49	740
WTH-9/0	2/1/2022	0'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.9	<49	<9.9	<49	<60
WTH-9/4	2/1/2022	4'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<9.0	<45	<9.0	<45	180
WTH-10/0	2/2/2022	0'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.6	<48	<9.6	<48	**620**
WTH-10/2	2/2/2022	2'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.8	<49	<9.8	<49	390
WTH-11/0	2/2/2022	0'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<9.6	<48	<9.6	<48	<59
WTH-11/2	2/2/2022	2'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<9.6	<48	<9.6	<48	**630**
WTH-12/0	2/2/2022	0'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.5	<48	<9.5	<48	<60
WTH-12/2	2/2/2022	2'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<9.3	<46	<9.3	<46	170
WTH-13/0	2/2/2022	0'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<9.7	<48	<9.7	<48	<59
WTH-13/2	2/2/2022	2'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<9.9	<50	<9.9	<50	250
WTH-14/0	3/3/2022	0'	<0.023	<0.046	<0.046	<0.093	<0.09	<4.6	<8.3	<41	<8.3	<41	290
WTH-14/2	3/3/2022	2'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.5	<48	<9.5	<48	430
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 [3]**	**---**	**---**	**---**	**50 [3]**	**---**	**---**	**---**	**---**	**100 [3]**	**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)

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

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

Driller Name:

Drill Start Date: 01/30/1979 **Drill Finish Date:** 02/04/1979 **Plug Date:**

Log File Date: 02/04/1979 **PCW Rcv Date:** **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:**

Casing Size: **Depth Well:** **Depth Water:** 300 feet

Meter Number: 4261 **Meter Make:** MCCROMETER

Meter Serial Number: 13-01326-13 **Meter Multiplier:** 100.0000

Number of Dials: 6 **Meter Type:** Diversion

Unit of Measure: Gallons **Return Flow Percent:**

Usage Multiplier: **Reading Frequency:** 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**

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater

Geographic Area: United States

GO

Click to hideNews 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

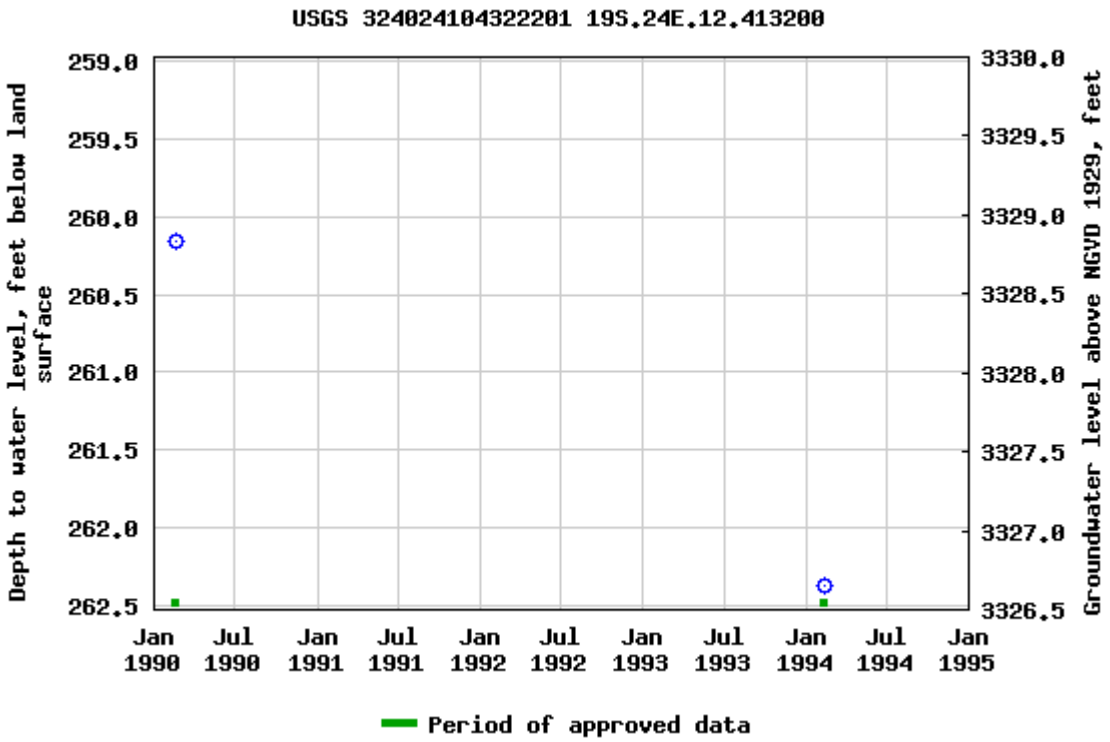
USGS 324024104322201 19S.24E.12.413200

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

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



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

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

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 in the vicinity of the former wellhead location during the January 5, 2022 site inspection. The view is towards the northeast.
(Approximate GPS: 32.670568, -104.548124)

PHOTOGRAPH NO. 2 – A view of the assessment activities on January 31, 2021. The view is towards the northwest.
(Approximate GPS: 32.670563, -104.548033)

PHOTOGRAPH NO. 3 – An additional view of the site assessment activities completed on February 1, 2022. The view is towards the north.

(Approximate GPS: 32.670478, -104.548021)

ATTACHMENT 3 – LABORATORY ANALYTICAL REPORTS

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

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
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	1/11/2022 4:36:45 PM	64966
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

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
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	1/11/2022 5:13:48 PM	64966
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

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
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	59		mg/Kg	20	1/11/2022 5:50:49 PM	64966
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

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
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	10000	600		mg/Kg	200	1/13/2022 3:17:13 AM	64966
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

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
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	18000	600		mg/Kg	200	1/13/2022 3:29:38 AM	64966
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

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
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	1/11/2022 6:52:33 PM	64966
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

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
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	1/11/2022 7:04:54 PM	64966
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

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
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	1/11/2022 7:17:15 PM	64966
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

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
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	1/11/2022 7:29:37 PM	64966
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

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
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	6700	300		mg/Kg	100	1/13/2022 3:42:03 AM	64966
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

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
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	1/11/2022 7:54:18 PM	64966
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

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
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	1/11/2022 8:06:38 PM	64966
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

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
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	2900	150		mg/Kg	50	1/13/2022 3:54:28 AM	64966
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

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
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	1/11/2022 8:31:19 PM	64966
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

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
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	59		mg/Kg	20	1/11/2022 9:08:19 PM	64966
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

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
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	1/11/2022 9:20:39 PM	64966
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative 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: **MB-64966**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **64966**	RunNo: **85087**
Prep Date: **1/11/2022**	Analysis Date: **1/11/2022**	SeqNo: **2993902** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-64966**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **64966**	RunNo: **85087**
Prep Date: **1/11/2022**	Analysis Date: **1/11/2022**	SeqNo: **2993903** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.8	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative 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#: **2201269**

14-Jan-22

Client: EOG

Project: Federal CM 1

Sample ID: **LCS-64911** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **64911** RunNo: **85066**
Prep Date: **1/7/2022** Analysis Date: **1/11/2022** SeqNo: **2992974** Units: **mg/Kg**

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: **MB-64911** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS** Batch ID: **64911** RunNo: **85066**
Prep Date: **1/7/2022** Analysis Date: **1/11/2022** SeqNo: **2992976** 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	8.7		10.00		86.9	70	130			

Sample ID: **MB-64960** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS** Batch ID: **64960** RunNo: **85093**
Prep Date: **1/11/2022** Analysis Date: **1/12/2022** SeqNo: **2994121** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10		10.00		101	70	130			

Sample ID: **LCS-64960** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **64960** RunNo: **85093**
Prep Date: **1/11/2022** Analysis Date: **1/12/2022** SeqNo: **2994126** Units: **%Rec**

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: **LCS-64929** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **64929** RunNo: **85117**
Prep Date: **1/10/2022** Analysis Date: **1/12/2022** SeqNo: **2994803** Units: **mg/Kg**

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: **MB-64929** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS** Batch ID: **64929** RunNo: **85117**
Prep Date: **1/10/2022** Analysis Date: **1/12/2022** SeqNo: **2994804** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative 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#: **2201269**
14-Jan-22

Client: EOG
Project: Federal CM 1

Sample ID: **MB-64929**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **64929**	RunNo: **85117**
Prep Date: **1/10/2022**	Analysis Date: **1/12/2022**	SeqNo: **2994804** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.9		10.00		89.5	70	130			

Sample ID: **LCS-65000**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **65000**	RunNo: **85137**
Prep Date: **1/13/2022**	Analysis Date: **1/13/2022**	SeqNo: **2995385** Units: **%Rec**

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: **MB-65000**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **65000**	RunNo: **85137**
Prep Date: **1/13/2022**	Analysis Date: **1/13/2022**	SeqNo: **2995388** Units: **%Rec**

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: **MB-64980**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **64980**	RunNo: **85152**
Prep Date: **1/12/2022**	Analysis Date: **1/13/2022**	SeqNo: **2995661** Units: **%Rec**

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: **LCS-64980**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **64980**	RunNo: **85152**
Prep Date: **1/12/2022**	Analysis Date: **1/13/2022**	SeqNo: **2995662** Units: **%Rec**

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.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative 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#: **2201269**
14-Jan-22

Client: EOG
Project: Federal CM 1

Sample ID: **mb-64908** SampType: **MBLK** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS** Batch ID: **64908** RunNo: **85038**
Prep Date: **1/7/2022** Analysis Date: **1/10/2022** SeqNo: **2992243** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	900		1000		90.1	70	130			

Sample ID: **lcs-64908** SampType: **LCS** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS** Batch ID: **64908** RunNo: **85038**
Prep Date: **1/7/2022** Analysis Date: **1/10/2022** SeqNo: **2992244** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	102	78.6	131			
Surr: BFB	1000		1000		99.6	70	130			

Sample ID: **mb-64917** SampType: **MBLK** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS** Batch ID: **64917** RunNo: **85038**
Prep Date: **1/7/2022** Analysis Date: **1/10/2022** SeqNo: **2992378** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	850		1000		85.5	70	130			

Sample ID: **lcs-64917** SampType: **LCS** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS** Batch ID: **64917** RunNo: **85038**
Prep Date: **1/7/2022** Analysis Date: **1/10/2022** SeqNo: **2992379** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	91.6	78.6	131			
Surr: BFB	1000		1000		101	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative 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#: **2201269**

14-Jan-22

Client: EOG

Project: Federal CM 1

Sample ID: **mb-64908**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **64908**	RunNo: **85038**
Prep Date: **1/7/2022**	Analysis Date: **1/10/2022**	SeqNo: **2992253** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.86		1.000		85.6	70	130			

Sample ID: **lcs-64908**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **64908**	RunNo: **85038**
Prep Date: **1/7/2022**	Analysis Date: **1/10/2022**	SeqNo: **2992254** Units: **mg/Kg**

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: **mb-64917**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **64917**	RunNo: **85038**
Prep Date: **1/7/2022**	Analysis Date: **1/10/2022**	SeqNo: **2992408** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.84		1.000		83.7	70	130			

Sample ID: **lcs-64917**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **64917**	RunNo: **85038**
Prep Date: **1/7/2022**	Analysis Date: **1/10/2022**	SeqNo: **2992409** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.87	0.025	1.000	0	87.4	80	120			
Toluene	0.87	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.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

# of preserved bottles checked for pH: (<2 or >12 unless noted)

Adjusted?

Checked by: JN 1/7/22

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 °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.8	Good				

Chain-of-Custody Record

Client: EOG - Artesia / Ranger Env.

Mailing Address: EOG - 105 S 4th St. Artesia, NM 88210
Ranger: PO Box 201179, Austin, TX 78720

Phone #: 521-335-1725

email or Fax#: Will@Rangerenv.com

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

Accreditation: ☐ Az Compliance
☒ NELAC ☐ Other

☒ EDD (Type) Excel

Turn-Around Time:
☐ Standard ☒ Rush 5-day TAT

Project Name: Federal CM #1

Project #: 5375

Project Manager: W. Kierdorf

Sampler: W. Kennedy

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 3.9 - 0.1 = 3.8 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2201269	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chloride (EPA 320)
01/05/22	0838	Soil	WHS-3	1x4oz. Jar	Ice	-001	X	X									
	0933		WHS-4			-002											
	0935		WHS-5			-003											
	0939		WHS-6			-004											
	0950		WHS-8			-005											
	1035		WHS-10			-006											
	1037		WHS-11			-007											
	1205		WHS-13			-008											
	1207		WHS-14			-009											
	1303		SS-1			-010											
	1307		SS-2			-011											
	1310		SS-3			-012											

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
01/06/22	1000	W. Kennedy			1/6/22	1000
1/6/22	1900		Chris Cox		1/7/22	0800

Remarks:

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

Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env

Mailing Address: EOG - 105 S 4th St, Artesia, NM 88210
Ranger Env.: P.O. Box 201179 Austin, Tx 78720

Phone #: 521 - 335 - 1785

email or Fax#: Will@Rangerenv.com

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

Accreditation: ☐ Az Compliance
☒ NELAC ☐ Other

☒ EDD (Type) Excel

Turn-Around Time:
☐ Standard ☒ Rush 5-day TAT

Project Name: Federal CM #1

Project #: 5375

Project Manager: W. Kierdorf

Sampler: W. Kennedy

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 3.9-0.1=3.8 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2201269	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chlor. Ide (300 EPA)
01/05/22	1312	Soil	SS-4	1x 4oz. Jar	Ice	-013	X	X									X
	1329		SS-5			-014											
	1331		SS-6			-015											
	1334		SS-7			-016											

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
01/06/22	0000	W. Kennedy	Gcummings		1/6/22	1000
1/6/22	1900	Gcummings	Courier	Hotshot	1/7/22	0800

Remarks:

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

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 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,

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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	630	60		mg/Kg	20	2/11/2022 12:14:00 AM	65489
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative 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-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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	380	60		mg/Kg	20	2/11/2022 12:26:24 AM	65489
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative 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-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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	5200	300		mg/Kg	100	2/14/2022 10:39:24 AM	65489
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative 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-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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	380	60		mg/Kg	20	2/11/2022 12:51:13 AM	65489
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative 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-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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	940	60		mg/Kg	20	2/11/2022 1:03:38 AM	65489
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative 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-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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	290	60		mg/Kg	20	2/11/2022 1:16:02 AM	65489
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative 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

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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	140	60		mg/Kg	20	2/11/2022 1:28:27 AM	65489
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative 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-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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	310	60		mg/Kg	20	2/11/2022 1:40:52 AM	65489
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative 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-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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	1200	59		mg/Kg	20	2/11/2022 1:53:16 AM	65489
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative 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-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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	760	60		mg/Kg	20	2/11/2022 2:30:31 AM	65489
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative 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-6/2
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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	1600	60		mg/Kg	20	2/11/2022 2:42:55 AM	65489
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative 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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	390	60		mg/Kg	20	2/11/2022 2:55:19 AM	65489
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative 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-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
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	1100	60		mg/Kg	20	2/11/2022 11:03:34 AM	65494
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative 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-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
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	450	59		mg/Kg	20	2/11/2022 11:40:49 AM	65494
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative 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-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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	2800	150		mg/Kg	50	2/14/2022 11:16:38 AM	65494
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative 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-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
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	740	60		mg/Kg	20	2/11/2022 12:05:38 PM	65494
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative 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-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
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	2/11/2022 12:18:03 PM	65494
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative 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-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
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	180	60		mg/Kg	20	2/11/2022 12:30:28 PM	65494
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative 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: 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
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	1300	60		mg/Kg	20	2/11/2022 1:07:42 PM	65494
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative 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:** 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
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	710	60		mg/Kg	20	2/11/2022 1:20:07 PM	65494
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative 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-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
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	620	60		mg/Kg	20	2/11/2022 1:32:31 PM	65494
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative 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-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
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	390	60		mg/Kg	20	2/11/2022 1:44:56 PM	65494
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative 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

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
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	59		mg/Kg	20	2/11/2022 1:57:20 PM	65494
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative 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-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
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	630	60		mg/Kg	20	2/11/2022 2:09:45 PM	65494
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative 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

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
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	2/11/2022 2:22:10 PM	65494
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative 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-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
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	170	60		mg/Kg	20	2/11/2022 2:34:35 PM	65494
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative 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-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
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	59		mg/Kg	20	2/11/2022 2:46:59 PM	65494
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative 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-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
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	250	60		mg/Kg	20	2/11/2022 2:59:24 PM	65494
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative 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: 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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	4900	300		mg/Kg	100	2/14/2022 11:29:02 AM	65494
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative 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

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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	5600	300		mg/Kg	100	2/14/2022 11:41:27 AM	65494
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative 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-65489** SampType: **mblk** TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS** Batch ID: **65489** RunNo: **85766**
Prep Date: **2/10/2022** Analysis Date: **2/10/2022** SeqNo: **3019617** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-65489** SampType: **lcs** TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS** Batch ID: **65489** RunNo: **85766**
Prep Date: **2/10/2022** Analysis Date: **2/10/2022** SeqNo: **3019618** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	90.4	90	110			

Sample ID: **MB-65494** SampType: **mblk** TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS** Batch ID: **65494** RunNo: **85797**
Prep Date: **2/11/2022** Analysis Date: **2/11/2022** SeqNo: **3020755** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-65494** SampType: **lcs** TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS** Batch ID: **65494** RunNo: **85797**
Prep Date: **2/11/2022** Analysis Date: **2/11/2022** SeqNo: **3020756** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.6	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 Quanitative 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: **LCS-65400** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **65400** RunNo: **85689**
Prep Date: **2/7/2022** Analysis Date: **2/8/2022** SeqNo: **3016915** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.00	0	86.0	68.9	135			
Surr: DNOP	4.1		5.000		81.1	51.1	141			

Sample ID: **MB-65400** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS** Batch ID: **65400** RunNo: **85689**
Prep Date: **2/7/2022** Analysis Date: **2/8/2022** SeqNo: **3016918** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.3		10.00		93.5	51.1	141			

Sample ID: **MB-65410** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS** Batch ID: **65410** RunNo: **85706**
Prep Date: **2/8/2022** Analysis Date: **2/9/2022** SeqNo: **3018485** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		105	51.1	141			

Sample ID: **LCS-65410** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **65410** RunNo: **85706**
Prep Date: **2/8/2022** Analysis Date: **2/9/2022** SeqNo: **3018486** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	90.7	68.9	135			
Surr: DNOP	4.8		5.000		96.4	51.1	141			

Sample ID: **LCS-65450** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **65450** RunNo: **85759**
Prep Date: **2/9/2022** Analysis Date: **2/10/2022** SeqNo: **3019509** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	10	50.00	0	83.8	68.9	135			
Surr: DNOP	3.5		5.000		69.5	51.1	141			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative 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: **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 Quanitative 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: **lcs-65402** SampType: **LCS** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS** Batch ID: **65402** RunNo: **85687**
Prep Date: **2/7/2022** Analysis Date: **2/8/2022** SeqNo: **3016794** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	104	78.6	131			
Surr: BFB	1100		1000		110	70	130			

Sample ID: **mb-65402** SampType: **MBLK** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS** Batch ID: **65402** RunNo: **85687**
Prep Date: **2/7/2022** Analysis Date: **2/8/2022** SeqNo: **3016795** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		102	70	130			

Sample ID: **lcs-65409** SampType: **LCS** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS** Batch ID: **65409** RunNo: **85687**
Prep Date: **2/7/2022** Analysis Date: **2/8/2022** SeqNo: **3016818** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	104	78.6	131			
Surr: BFB	1100		1000		111	70	130			

Sample ID: **mb-65409** SampType: **MBLK** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS** Batch ID: **65409** RunNo: **85687**
Prep Date: **2/7/2022** Analysis Date: **2/8/2022** SeqNo: **3016819** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	970		1000		96.5	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative 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: **lcs-65402**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **65402**	RunNo: **85687**
Prep Date: **2/7/2022**	Analysis Date: **2/8/2022**	SeqNo: **3016924** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	101	80	120			
Toluene	0.99	0.050	1.000	0	98.7	80	120			
Ethylbenzene	0.98	0.050	1.000	0	98.1	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.2	80	120			
Surr: 4-Bromofluorobenzene	0.93		1.000		93.0	70	130			

Sample ID: **mb-65402**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **65402**	RunNo: **85687**
Prep Date: **2/7/2022**	Analysis Date: **2/8/2022**	SeqNo: **3016925** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.95		1.000		94.5	70	130			

Sample ID: **lcs-65409**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **65409**	RunNo: **85687**
Prep Date: **2/7/2022**	Analysis Date: **2/8/2022**	SeqNo: **3016948** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	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: **mb-65409**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **65409**	RunNo: **85687**
Prep Date: **2/7/2022**	Analysis Date: **2/8/2022**	SeqNo: **3016949** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.94		1.000		93.6	70	130			

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: CVE 2/5/22

Special Handling (if applicable)

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

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.0	Good	Not Present			

Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.

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

Ranger: PO Box 201179, Austin TX 78720

Phone #: 521-335-1785

email or Fax#: Will@RangerEnv.com

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

Accreditation: ☐ Az Compliance
■ **NELAC** ☐ Other_____
■ **EDD** (Type) Excel

Turn-Around Time:
☐ Standard ☒ **Rush** 5-day TAT

Project Name: Federal CM #1

Project #: 5375

Project Manager: W. Kierdorf

Sampler: W. Kennedy
On Ice: ☒ Yes ☐ No
# of Coolers: 1
Cooler Temp(including CF): 0.1-0.1=0.0

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

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2202253	BTEX (8021)	TPH:8015D(GRO / DRO / MRO)	Chloride (EPA 300)
02/03/22	0856	Soil	WTH-1/5	1x4oz. Jar	Ice	001	X	X	X
	1004		WTH-1/2			002			
	1024		WTH-2/3			003			
	1035		WTH-2/6			004			
	1058		WTH-3/3			005			
	1107		WTH-3/6			006			
	1232		WTH-4/1			007			
	1250		WTH-4/4			008			
02/04/22	1104		WTH-5/1			009			
	1139		WTH-5/4			010			
	1404		WTH-6/2			011			
	1428		WTH-6/5			012			

Analysis Request

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
2/4/22	1200	W. Kennedy			2/4/22	1200
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
			Cen Coun		2/5/22	0850

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 repo

Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.

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

Ranger: PO Box 201179, Austin TX 78720

Phone #: 521-335-1785

email or Fax#: Will@RangerEnv.com

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

Accreditation: ☐ Az Compliance
■ **NELAC** ☐ Other_____
■ **EDD** (Type) Excel

Turn-Around Time:
☐ Standard ☒ **Rush** 5-day TAT

Project Name:
Federal CM #1

Project #: 5375

Project Manager: W. Kierdorf

Sampler: W. Kennedy
On Ice: ☒ Yes ☐ No
# of Coolers: 1
Cooler Temp(including CF): 0.1-0.1=0.0

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2202253	BTEX (8021)	TPH:8015D(GRO / DRO / MRO)	Chloride (EPA 300)
02/01/22	1438	Soil	WTH-7/2	1x4oz. Jar	Ice	013			
"	1454	"	WTH-7/6	"	"	014			
"	1502	"	WTH-8/1	"	"	015			
"	1510	"	WTH-8/4	"	"	016			
"	1520	"	WTH-9/0	"	"	017			
"	1528	"	WTH-9/4	"	"	018			
			~~WTH-1~~						
02/02/22	1615	"	STH-1/5	"	"	019	X	X	X
"	1724	"	STH-1/14	"	"	020			

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
2/4/22	1200	W. Kennedy			2/4/22	1200
2/4/22	1900			CM Courier	2/5/22	0650

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 repo

Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.

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

Ranger: PO Box 201179, Austin TX 78720

Phone #: 521-335-1785

email or Fax#: Will@RangerEnv.com

QA/QC Package:

■ **Standard** ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

■ **NELAC** ☐ Other_____

■ **EDD** (Type) Excel

Turn-Around Time:

☐ Standard ☒ **Rush** 5-day TAT

Project Name: Federal CM #1

Project #: 5375

Project Manager: W. Kierdorf

Sampler: V. Kennedy

On Ice: ☒ Yes ☐ No

# of Coolers: 1

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2202253	BTEX (8021)	TPH:8015D(GRO / DRO / MRO)	Chloride (EPA 300)
02/02/22	0900	Soil	WTH - 10 / 0	1x4oz. Jar	Ice	021	X	X	X
	0905		WTH - 10 / 2			022			
	0923		WTH - 11 / 0			023			
	0926		WTH - 11 / 2			024			
	0945		WTH - 12 / 0			025			
	1000		WTH - 12 / 2			026			
	1012		WTH - 13 / 0			027			
	1018		WTH - 13 / 2			028			
	1130		STH - 2 / 9			029			
↓	1308	↓	STH - 2 / 14	↓	↓	030	↓	↓	↓

Analysis Request

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
02/04/22	1200	W. K				
2/4/22	1900			CMC courier	2/5/22	0850

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 repo

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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 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,

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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	290	60		mg/Kg	20	3/11/2022 5:54:30 PM	66133
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative 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:** 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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	430	60		mg/Kg	20	3/11/2022 6:31:43 PM	66133
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative 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-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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	2600	150		mg/Kg	50	3/15/2022 8:02:04 PM	66133
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative 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-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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	700	60		mg/Kg	20	3/11/2022 6:56:31 PM	66133
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative 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-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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	750	60		mg/Kg	20	3/11/2022 7:08:55 PM	66133
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative 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-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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	370	61		mg/Kg	20	3/11/2022 7:21:19 PM	66133
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative 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-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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	710	60		mg/Kg	20	3/11/2022 7:33:44 PM	66133
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative 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-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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	280	60		mg/Kg	20	3/11/2022 7:46:09 PM	66133
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative 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-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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	1800	59		mg/Kg	20	3/11/2022 8:23:21 PM	66133
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative 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-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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	150	61		mg/Kg	20	3/11/2022 8:35:46 PM	66133
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative 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-9/1
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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	3/11/2022 8:48:10 PM	66133
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative 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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	620	60		mg/Kg	20	3/11/2022 9:00:34 PM	66133
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative 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-8/10
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
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	2500	150		mg/Kg	50	3/16/2022 11:59:51 PM	66133
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
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.

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 Quanitative 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

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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	4100	150		mg/Kg	50	3/15/2022 8:26:45 PM	66133
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative 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-8/19
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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	2900	150		mg/Kg	50	3/15/2022 8:39:06 PM	66133
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative 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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	1200	60		mg/Kg	20	3/11/2022 9:50:12 PM	66133
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

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 Quanitative 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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	420	60		mg/Kg	20	3/11/2022 10:02:36 PM	66133
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
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.

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 Quanitative 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: **MB-66133**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **66133**	RunNo: **86445**
Prep Date: **3/11/2022**	Analysis Date: **3/11/2022**	SeqNo: **3049868** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-66133**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **66133**	RunNo: **86445**
Prep Date: **3/11/2022**	Analysis Date: **3/11/2022**	SeqNo: **3049869** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.0	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 Quanitative 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: **MB-66050**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **PBS**	Batch ID: **66050**	RunNo: **86373**							
Prep Date: **3/9/2022**	Analysis Date: **3/10/2022**	SeqNo: **3047399**	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	12		10.00		116	51.1	141			

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

Sample ID: **LCS-66050**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **LCSS**	Batch ID: **66050**	RunNo: **86373**							
Prep Date: **3/9/2022**	Analysis Date: **3/10/2022**	SeqNo: **3047414**	Units: **mg/Kg**						
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: **MB-66036**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **PBS**	Batch ID: **66036**	RunNo: **86373**							
Prep Date: **3/9/2022**	Analysis Date: **3/10/2022**	SeqNo: **3047440**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		106	51.1	141			

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 Quanitative 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: **mb-66026** SampType: **MBLK** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS** Batch ID: **66026** RunNo: **86398**
Prep Date: **3/8/2022** Analysis Date: **3/10/2022** SeqNo: **3047578** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		106	70	130			

Sample ID: **lcs-66026** SampType: **LCS** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS** Batch ID: **66026** RunNo: **86398**
Prep Date: **3/8/2022** Analysis Date: **3/10/2022** SeqNo: **3047579** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	107	78.6	131			
Surr: BFB	2200		1000		224	70	130			S

Sample ID: **lcs-66025** SampType: **LCS** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS** Batch ID: **66025** RunNo: **86391**
Prep Date: **3/8/2022** Analysis Date: **3/10/2022** SeqNo: **3047898** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	25.00	0	114	78.6	131			
Surr: BFB	2300		1000		231	70	130			S

Sample ID: **mb-66025** SampType: **MBLK** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS** Batch ID: **66025** RunNo: **86391**
Prep Date: **3/8/2022** Analysis Date: **3/10/2022** SeqNo: **3047899** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		102	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative 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: **mb-66026** SampType: **MBLK** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **PBS** Batch ID: **66026** RunNo: **86398**

Prep Date: **3/8/2022** Analysis Date: **3/10/2022** SeqNo: **3047626** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.98		1.000		97.5	70	130			

Sample ID: **LCS-66026** SampType: **LCS** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **LCSS** Batch ID: **66026** RunNo: **86398**

Prep Date: **3/8/2022** Analysis Date: **3/10/2022** SeqNo: **3047627** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.025	1.000	0	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: **lcs-66025** SampType: **LCS** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **LCSS** Batch ID: **66025** RunNo: **86391**

Prep Date: **3/8/2022** Analysis Date: **3/10/2022** SeqNo: **3047952** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.025	1.000	0	92.0	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: **mb-66025** SampType: **MBLK** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **PBS** Batch ID: **66025** RunNo: **86391**

Prep Date: **3/8/2022** Analysis Date: **3/10/2022** SeqNo: **3047953** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.88		1.000		87.7	70	130			

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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: CMC 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° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	# of preserved bottles checked for pH: (<2 or >12 unless noted)
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	Adjusted?
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 ☐	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 °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.4	Good	Not Present			
2	0.7	Good	Not Present			
3	4.0	Good	Not Present			

Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.

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

Ranger: PO Box 201179, Austin TX 78720

Phone #: 521-335-1785

email or Fax#: Will@RangerEnv.com

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

Accreditation: ☐ Az Compliance
■ **NELAC** ☐ Other
■ **EDD** (Type) Excel

Turn-Around Time:
☐ Standard ☒ **Rush** 5-day

Project Name: Federal CM #1

Project #: 5375

Project Manager: W. Kierdorf

Sampler:

On Ice: ☒ Yes ☐ No

# of Coolers: 3

Cooler Temp(including CF): See Checklist

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2203354	BTEX (8021)	TPH:8015D(GRO / DRO / MRO)	Chloride (EPA 300)
3/3/22	0906	Soil	WTH-14/0	1x 4oz Jar	ICE	001	X	X	X
	0910		WTH-14/2			002			
	1009		STH-3/13			003			
	1102		STH-3/14			004			
	1144		STH-5/4			005			
	1150		STH-5/7			006			
	1214		STH-6/3			007			
	1329		STH-6/6			008			
	1350		STH-7/3			009			
	1408		STH-7/6			010			
	1420		STH-9/1			011			
	1431		STH-9/4			012			

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
3/4/22	0850				3/4/22	1000
3/4/22	1800		CH COUR		3/5/22	0855

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 repo

Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.

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

Ranger: PO Box 201179, Austin TX 78720

Phone #: 521-335-1785

email or Fax#: Will@RangerEnv.com

QA/QC Package:

■ **Standard** ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

■ **NELAC** ☐ Other_____

■ **EDD** (Type) Excel

Turn-Around Time:

☐ Standard ☒ **Rush** 5 day TAT

Project Name: Federal CM #1

Project #: 5375

Project Manager: W. Kierdorf

Sampler: W. Kennedy

On Ice: ☒ Yes ☐ No

# of Coolers: 3

Cooler Temp(Including CF): See Checklist

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2203354	BTEX (8021)	TPH:8015D(GRO / DRO / MRO)	Chloride (EPA 300)
3/3/22	1515	Soil	STH-8/10	4oz Glass	ICE	013	X	X	X
"	1535	"	STH-8/17	"	"	014	"	"	"
"	1541	"	STH-8/19	"	"	015	"	"	"
"	1602	"	STH-10/1	"	"	016	"	"	"
"	1606	"	STH-10/4	"	"	017	"	"	"

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
3/4/22	0800	W. Kennedy	Acevedo		3/4/22	800
3/4/22	1900	Acevedo	Chris Cain		3/5/22	0855

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 repo

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2208339578
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.**

Form C-141 State of New Mexico
Page 4 Oil Conservation Division

Incident ID	nAPP2208339578
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: 10/28/2022

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 119150

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 119150
	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.	10/28/2022