

# 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

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# FORM C-141

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### 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 <u>Depth-to-Groundwater</u>

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

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P.O. BOX 201179 AUSTIN, TX 78720 OFFICE: 512/335-1785 FAX: 512/335-0527

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 <u>Wellhead Protection Area</u>

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 <u>Regulatory Criteria</u>

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 <u>Proposed Depth-to-Groundwater Investigation</u>

As summarized in Section 2.1, due to the lack of current depth-to-groundwater data within a onehalf 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 Page & of 128

Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

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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 # ( <i>nAPP2208339578</i>
Contact mailing address 104 S. 4th Street, Artesia, NM 88	3210

# **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
М	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)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Ves 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)
that a notice	ice was submitted by the landowner for an ppeared to be impacted. The consultant r that it most likely meets reportable criteri eation assessment that has been complete	a on 3/23/2022, based on the initial

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## Oil Conservation Division

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Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the responsible party consider this a major release?
🗌 Yes 🔽 No	
If YES, was immediate ne	otice 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

 $\checkmark$  The source of the release has been stopped.

 $\nabla$  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

Signature: Chase Settle

Title: Rep Safety & Environmental Sr

email: Chase\_Settle@eogresources.com

Date: 03/24/2022

Telephone: 575-748-1471

**OCD Only** 

Received by: Jocelyn Harimon

Date: 03/24/2022

Received by OCD: 6/21/2022 1:27:57 PM Form C-141 State of New Mexico

Oil Conservation Division

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# 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 <b>not</b> 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.

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			Incident ID	
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			Facility ID	
			Application ID	
regulations all operators a public health or the envir failed to adequately inves addition, OCD acceptance and/or regulations. Printed Name: Signature:	nformation given above is true and complete to the are required to report and/or file certain release no ronment. The acceptance of a C-141 report by the stigate and remediate contamination that pose a the te of a C-141 report does not relieve the operator o	tifications and perform OCD does not relieve the reat to groundwater, sur f responsibility for com 	corrective actions for rele he operator of liability sh face water, human health pliance with any other fe	eases which may endanger ould their operations have or the environment. In deral, state, or local laws
OCD Only				
Received by:		Date:		

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Oil Conservation Division

<u>Remediation Plan Checklist</u>: Each of the following items must be included in the plan.

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# **Remediation 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: Telephone: \_\_\_\_\_ email: OCD Only Received by: Date: Approved Approved with Attached Conditions of Approval Denied Deferral Approved Signature: Date:

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Oil Conservation Division

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# 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: Telephone: email: **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

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

Action 92909

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Oil Conservation Division

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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? * <i>The depth to groundwater still</i> 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.	<u>&gt;100'</u> (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 <b>not</b> 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.

#### <u>Characterization Report Checklist</u>: 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 <sup>1</sup>/<sub>2</sub>-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.

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				Incident ID	nAPP2208339578
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				Application ID	
	eport does not include complet				
proposed remediation techn	ude a proposed remediation pl ique, proposed sampling plan lease are contained in Table 1	and methods, anti-	cipated timeline	s for beginning and	completing the remediation.
specific parameters.	lease are contained in Table 1	01 19.13.29.12 1	MAC, nowever,	use of the table is i	nounce by site- and release-
failed to adequately investig addition, OCD acceptance o and/or regulations.	nent. The acceptance of a C-141 r ate and remediate contamination th f a C-141 report does not relieve th Settle	hat pose a threat to grade operator of respon	oundwater, surfac sibility for compl	ce water, human health	n or the environment. In
Signature: Chase					
email: Chase_Settle@	@eogresources.com	Telephone: <u>575</u>	-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







## Legend

• Site Location

FEMA Floodplain Map - Eddy County NM

A - Area with a 1% annual chance of flooding

AE - Area with a 1% annual chance of flooding

AH - Areas with a 1% annual chance of shallow flooding

AO - River or stream flood hazard areas

X - Area of Minimal Flood Hazard

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

A RANCER	0	62.5 125	250	375	500 Feet
ENVIRONMENTAL SERVICES, INC.			1:2,50	00	

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





# TABLES

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

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SOIL SAMPLE BTEX (EPA 8021), TPH (SW 8015) & CHLORIDE (EPA 300) ANALYTICAL DATA EOG RESOURCES, INC. FEDERAL CM COM #1 (WELLHEAD AREA)													
				All valu	es presented	d 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 S WHS-3	amples 1/5/2022	0'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	41	160	41	200	<60
W110-0	1/3/2022	0	<0.024	<0.040	<0.040	<0.030	<0.10	<b>\4.0</b>	41	100	41	200	<b>NO0</b>
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'	<0.023	<0.043	<0.049	<0.095	<0.10	<4.8	<9.9	<49	<9.9	<49	290
				1									
WTH-4/1 WTH-4/4	1/31/2022 1/31/2022	1' 4'	<0.024 <0.024	<0.047 <0.048	<0.047 <0.048	<0.095 <0.096	<0.09 <0.10	<4.7 <4.8	<9.6 36	<48 110	<9.6 36	<48 146	140 310
	WOWLDEE		10.021	10.010	40.010	10.000	40.10	41.0	00	110	00	110	010
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-8/1 WTH-8/4	2/1/2022 2/1/2022	4'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8 <5.0	<9.7	<48 <49	<9.7	<48 <49	740
WTH-9/0 WTH-9/4	2/1/2022 2/1/2022	0' 4'	<0.025 <0.025	<0.049 <0.049	<0.049 <0.049	<0.099 <0.098	<0.10 <0.10	<4.9 <4.9	<9.9 <9.0	<49 <45	<9.9 <9.0	<49 <45	<60 180
	LINEOLL		40.020	10.010	40.010	10.000	40.10	41.0	40.0	410	40.0	410	100
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	_10	<9.7	<48	<59
WTH-13/0 WTH-13/2	2/2/2022 2/2/2022	2'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9 <4.9	<9.7	<48 <50	<9.7	<48 <50	<59 250
WTH-14/0 WTH-14/2	3/3/2022 3/3/2022	0' 2'	<0.023 <0.025	<0.046 <0.050	<0.046 <0.050	<0.093	<0.09 <0.10	<4.6 <5.0	<8.3	<41 <48	<8.3 <9.5	<41 <48	290 430
VV 1 FT-14/2	31312022	2	<0.020	<0.000	<0.000	<0.10	<0.10	<0.0	<9.5	<40	<9.0	<40	430
19.15.29.12 NMAC Table 1 Cl Impacted by a Relea			10				50				1,000	2,500	20,000
19.15.29.13 NMAC Rec		teria	10 <sup>3</sup>				<b>50</b> <sup>3</sup>					100 <sup>3</sup>	600
(0'-4' Soils Notes: 1. Results exceeding the Table 1													

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.

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# ATTACHMENT 1 – DEPTH-TO-GROUNDWATER DATA



# *New Mexico Office of the State Engineer* **Point of Diversion Summary**

			• •			=NE 3=S t to larges	W 4=SE)	(NAD8	3 UTM in meters)	
Well Tag	POD	Number				c Tws			X Y	
in the second	RA 0		3	-	4 12		-	54308		9
x Driller Lice	ense:	406	Dril	ler Con	npany:	TII	OWELL	, CLYDE	E J.	
Driller Nar	me:									
Drill Start	Date:	01/30/1	979 <b>Dril</b>	l Finish	Date:	0	2/04/19	79	Plug Date:	
Log File Da	ate:	02/04/1	979 <b>PCV</b>	V Rcv I	Date:				Source:	Shallow
Pump Type			Pipe	Discha	arge Siz	ze:			Estimated Yie	ld:
Casing Size			-	th Well	-				Depth Water:	
			246		•				Deptil (fater)	
х	Meter	r Numbe	er: 4261			Meter	Make:		MCCROMET	TER
	Meter	r Serial I	Number: 13-01	326-13		Meter	Multip	lier:	100.0000	
	Numb	oer of Di	<b>als:</b> 6			Meter	Type:		Diversion	
	Unit o	of Measu	ire: Galloi	15		Returi	a Flow I	Percent:		
	Usage	e Multip	lier:			Readii	ng Freq	uency:	Quarterly	
	X									
Meter I	Reading	gs (in Ac	cre-Feet)							
Read	l Date	Year	Mtr Reading	Flag	Rdr	Comm	ient		Ν	Itr Amount Online
01/11	/2000	2000	0	А	RPT					0
	/2000	2000	0	А	RPT					0
	/2000	2000	0	А	RPT					0
	3/2001	2000	0	А	RPT					0
	9/2001	2001	0	A	RPT					0
	9/2001	2001	0	A		not wa	ter used	this quat	ter	0
	3/2002	2001	16020	A	RPT					0
	4/2002	2002	16020	A	RPT					0
	5/2002 9/2002	2002 2002	23670 26528	A	RPT RPT					0.023 0.009
	4/2002	2002	32468	A A	RPT					0.009
	5/2003	2002	35292	A	RPT					0.018
	3/2003	2003	53990	A	tw					0.057
	3/2003	2003	57574	A	tw					0.011
	8/2004	2004	57574	A	tw					0
	5/2004	2004	61694	A	sj					0.013
	5/2004	2004	61694	А	sj					0
	2/2004	2004	92200	А	sj					0.094
01/10	)/2005	2004	108867	А	sj					0.051
04/11	/2005	2005	109923	А	RPT					0.003
07/09	9/2005	2005	112043	А	RPT					0.007
10/04	4/2005	2005	116328	А	RPT					0.013
12/31	1/2005	2005	129760	А	ch					0.041
02/27	7/2006	2006	140575	А	ch					0.033
03/01	1/2006	2006	0	А	RPT	Initial	reading			0

# Received by OCD: 6/21/2022 1:27:57 PM

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		2000 2001		0 0		
**YTD Meter Amounts:		Year		Amount		
07/01/2021	2021	337019	А	WEE	3	4.245 X
01/01/2021	2020	323186	А	RPT		0
10/01/2020	2020	323186	А	RPT		10.266
01/01/2020	2020	289734	A	RPT		0
10/01/2019	2019	289734	A	RPT		0.033
07/01/2019	2019	289625	A	RPT		0
04/01/2019	2019	289625	A	RPT		0
01/01/2019	2018	289625	A	RPT		0
10/01/2018	2018	289625	A	ap RPT		0
07/01/2018	2018	289625	A A	ap ap		0
04/01/2018	2018	289625	A	ap ap		9.991 0
01/03/2018	2017	289625	A	ap ap		0.4 <i>3</i> 7 9.991
10/06/2017	2017	257069	A	ap ap		6.457
07/06/2017	2017	236029	A A	ap ap	newineterstatiedw/101100	16.833
04/04/2017	2017	181180	A A	ap ap	newmeterstartedw/181180	0
01/01/2017	2010	344217	A A	-		0
10/01/2016	2016	344217	A A	ap ap		0
07/01/2016	2016	344217	A A	ap an		0
04/01/2016	2016	344217	A A	ap an		0
01/01/2016	2013	344217	A A			0
10/08/2015	2013	344217	A A	RPT		12.283
07/01/2015	2014	344217	А	RPT		12.283
10/01/2014	2014 2014	304194	A	RPT		8.430 9.976
07/01/2014	2014	271687	A	RPT	Confected reduing	8.430
04/01/2014	2013	244217	A		Corrected reading	0.275
01/01/2014	2013	243320	R		Corrected reading	48.519
10/01/2013	2013	85221	A	RPT		0.152
05/08/2013 07/10/2013	2013 2013	84373 84727	A A	RPT RPT		4.156 0.109
					read	
05/08/2013	2013	70831	A		Old Meter Reinstalled/New	0
07/09/2012	2012	6707	A		Temp Meter/Final Reading	1.329
07/09/2012	2011	2376	А		Temp Meter/Initial Reading	1.555
10/05/2011	2011	70831	A A	RPT	minar reading/ remp meter	1.533
10/05/2011	2011	20093	A A		Initial reading/Temp meter	0.330
10/05/2011	2009	20693	A		Final reading/Temp Meter	6.350
01/01/2010	2008	65837	А	RPT		1.055
01/08/2009	2008	62400	А	RPT		0.132
10/09/2008	2008	61589	A A	RPT		0.739
07/08/2008	2008	61160	A A	RPT		0.407
01/08/2008 04/08/2008	2007 2008	57425 58751	A A	RPT RPT		0.390
			A A			0.133
10/10/2007	2007	55501	А	RPT		0.153
07/09/2007	2007	55001	А	RPT		0.715
04/10/2007	2000	52670	A	RPT		4. <i>332</i> 2.406
10/02/2006	2006	44829	Α	RPT		4.552

#### Received by OCD: 6/21/2022 1:27:57 PM

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

#### \*UTM location was derived from PLSS - see Help

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

8/3/21 10:08 AM

POINT OF DIVERSION SUMMARY



USGS Home Contact USGS Search USGS

# **National Water Information System: Web Interface**

USGS Water Resources	Data Category:		Geographic Area:		
	Groundwater	$\checkmark$	United States	$\sim$	GO

# Click to hideNews Bulletins

- Explore the *NEW* <u>USGS National Water Dashboard</u> interactive map to access realtime 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 V GO

Eddy County, New Mexico

F

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. <u>Download a presentation-quality graph</u>

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

Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey Title: Groundwater for USA: Water Levels URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: <u>USGS Water Data Support Team</u> 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



January 14, 2022

Will Kierdorf EOG 105 South Fourth Street Artesia, NM 88210 TEL: FAX: Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

OrderNo.: 2201269

RE: Federal CM 1

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

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109
### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2201269

Date Reported: 1/14/2022

CLIENT: EOG	Client Sample ID: WHS-3 Collection Date: 1/5/2022 8:38:00 AM						
Project: Federal CM 1							
Lab ID: 2201269-001	Matrix: SOIL		<b>Received Dat</b>	<b>e:</b> 1/7	7/2022 8:00:00 AM		
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	: ЈМТ	
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. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- В Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 1 of 21

### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2201269

Date Reported: 1/14/2022

CLIENT: EOG		Cl	ient Sample II	<b>D:</b> W	HS-4			
Project: Federal CM 1	Collection Date: 1/5/2022 9:33:00 AM							
Lab ID: 2201269-002	Matrix: SOIL	<b>Received Date:</b> 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. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- В Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 2 of 21

### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2201269

Date Reported: 1/14/2022

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		<b>Received Dat</b>	<b>e:</b> 1/7	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	E				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. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- В Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2201269

Date Reported: 1/14/2022

CLIENT: EOG	Client Sample ID: WHS-6Collection Date: 1/5/2022 9:39:00 AMMatrix: SOILReceived Date: 1/7/2022 8:00:00 AM						
Project: Federal CM 1							
Lab ID: 2201269-004							
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	: ЈМТ	
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. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- В Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2201269

Date Reported: 1/14/2022

CLIENT: EOG	Client Sample ID: WHS-8							
Project: Federal CM 1		(	Collection Dat	e: 1/5	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	: ЈМТ		
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. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- В Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2201269

Date Reported: 1/14/2022

CLIENT: EOG	Client Sample ID: WHS-10						
Project: Federal CM 1		(	Collection Dat	<b>e:</b> 1/5	5/2022 10:35:00 AM		
Lab ID: 2201269-006	Matrix: SOIL         Received Date: 1/7/2022 8:00:00 //						
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	E				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. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- в Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2201269

Date Reported: 1/14/2022

CLIENT: EOG Project: Federal CM 1	Client Sample ID: WHS-11 Collection Date: 1/5/2022 10:37:00 AM						
Lab ID: 2201269-007	Matrix: SOIL		<b>Received Dat</b>	<b>e:</b> 1/7	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	E				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. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- в Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2201269

Date Reported: 1/14/2022

CLIENT: EOG	Client Sample ID: WHS-13						
Project: Federal CM 1		(	Collection Dat	<b>e:</b> 1/5	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. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- ND PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- В Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2201269

Date Reported: 1/14/2022

CLIENT: EOG	Client Sample ID: WHS-14 Collection Date: 1/5/2022 12:07:00 PM						
Project: Federal CM 1							
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. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- В Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2201269

Date Reported: 1/14/2022

CLIENT: EOG	Client Sample ID: SS-1							
Project: Federal CM 1		(	Collection Date	e: 1/5	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. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- В Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2201269

Date Reported: 1/14/2022

CLIENT: EOG	Client Sample ID: SS-2 Collection Date: 1/5/2022 1:07:00 PM						
Project: Federal CM 1							
Lab ID: 2201269-011	Matrix: SOIL         Received Date: 1/7/2022 8:00:00 AM						
Analyses	Result	RL	Qual Uni	ts I	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: ЈМТ
Chloride	ND	60	mg/	۲g	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/	۲g	1	1/12/2022 1:43:29 PM	64929
Motor Oil Range Organics (MRO)	ND	46	mg/	٢g	1	1/12/2022 1:43:29 PM	64929
Surr: DNOP	80.1	70-130	%Re	ЭC	1	1/12/2022 1:43:29 PM	64929
EPA METHOD 8015D: GASOLINE RANGE						Analyst	: mb
Gasoline Range Organics (GRO)	ND	4.7	mg/	٢g	1	1/10/2022 11:22:00 PM	64917
Surr: BFB	85.6	70-130	%Re	ЭC	1	1/10/2022 11:22:00 PM	64917
EPA METHOD 8021B: VOLATILES						Analyst	: mb
Benzene	ND	0.023	mg/	٢g	1	1/10/2022 11:22:00 PM	64917
Toluene	ND	0.047	mg/	۲g	1	1/10/2022 11:22:00 PM	64917
Ethylbenzene	ND	0.047	mg/	٢g	1	1/10/2022 11:22:00 PM	64917
Xylenes, Total	ND	0.093	mg/	۲g	1	1/10/2022 11:22:00 PM	64917
Surr: 4-Bromofluorobenzene	80.0	70-130	%Re	ЭC	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. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- В Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2201269

Date Reported: 1/14/2022

CLIENT: EOG	Client Sample ID: SS-3						
Project: Federal CM 1		(	Collection Dat	e: 1/5	5/2022 1:10:00 PM		
Lab ID: 2201269-012	Matrix: SOIL         Received Date: 1/7/2022 8:00:00 Al						
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	I				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 PN	64917	
Ethylbenzene	ND	0.047	mg/Kg	1	1/10/2022 11:41:00 PN	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 PN	64917	

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
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- В Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2201269

Date Reported: 1/14/2022

CLIENT: EOG		Cl	ient Sample II	D: SS	-4				
Project: Federal CM 1	Collection Date: 1/5/2022 1:12:00 PM								
Lab ID: 2201269-013	Matrix: SOIL		<b>Received Dat</b>	<b>e:</b> 1/7	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. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- В Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2201269

Date Reported: 1/14/2022

CLIENT: EOG		Cl	ient Sample	ID: SS	5-5				
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					Analys	: JMT			
Chloride	ND	60	mg/K	g 20	1/11/2022 8:31:19 PM	64966			
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	: SB			
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	g 1	1/12/2022 2:15:43 PM	64929			
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	<b>j</b> 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					Analys	: mb			
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	g 1	1/11/2022 12:20:00 AM	64917			
Surr: BFB	86.9	70-130	%Rec	1	1/11/2022 12:20:00 AN	l 64917			
EPA METHOD 8021B: VOLATILES					Analys	: mb			
Benzene	ND	0.025	mg/Kg	g 1	1/11/2022 12:20:00 AM	64917			
Toluene	ND	0.049	mg/Kg	<b>j</b> 1	1/11/2022 12:20:00 AN	64917			
Ethylbenzene	ND	0.049	mg/Kg	g 1	1/11/2022 12:20:00 AN	l 64917			
Xylenes, Total	ND	0.098	mg/Kg	g 1	1/11/2022 12:20:00 AN	l 64917			
Surr: 4-Bromofluorobenzene	81.2	70-130	%Rec	1	1/11/2022 12:20:00 AN	l 64917			

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
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- В Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2201269

Date Reported: 1/14/2022

CLIENT: EOG		Cl	ient Sample II	D: SS	-6	
Project: Federal CM 1		(	Collection Dat	<b>e:</b> 1/5	5/2022 1:31:00 PM	
Lab ID: 2201269-015	Matrix: SOIL		<b>Received Dat</b>	<b>e:</b> 1/7	7/2022 8:00:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	ЈМТ
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	E				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. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- В Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2201269

Date Reported: 1/14/2022

CLIENT: EOG		Cl	ient Sample I	D: SS	5-7				
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	l 64917			

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
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- В Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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	WO#:	2201269
Hall Environmental Analysis Laboratory, Inc.		14-Jan-22

Client:	EOG	~									
Project:	Federal	CM 1									
Sample ID: MB	8-64966	SampT	ype: <b>m</b> l	olk	Tes	tCode: EP	A Method	300.0: Anion	s		
Client ID: PB	S	Batch	n ID: 64	966	F	RunNo: <b>85</b>	087				
Prep Date: 1/	11/2022	Analysis D	ate: 1/	11/2022	S	SeqNo: 29	93902	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID: LC	S-64966	SampT	ype: Ics	6	Tes	tCode: EP	A Method	300.0: Anion	s		
Client ID: LC	SS	Batch	n ID: 64	966	F	RunNo: <b>85</b>	087				
Prep Date: 1/	11/2022	Analysis D	ate: 1/	11/2022	S	SeqNo: 29	93903	Units: mg/K	g		
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
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- В Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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# QC SUMMARY REPORT Hall Er

QC SUR Hall Env	WO#:	2201269 14-Jan-22			
Client:	EOG				
Project:	Federal	CM 1			
Sample ID: 10	CS-64911	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel R	ange Organics	

Client ID: LCSS Prep Date: 1/7/2022 Analyte Diesel Range Organics (DRO) Surr: DNOP Sample ID: MB-64911 Client ID: PBS Prep Date: 1/7/2022	Analysis D Result 41 3.9 SampT	PQL 10	11/2022		RunNo: <b>8</b> SeqNo: <b>2</b> %REC 81.6		Units: <b>mg/K</b> HighLimit	<b>(g</b> %RPD			
Analyte Diesel Range Organics (DRO) Surr: DNOP Sample ID: MB-64911 Client ID: PBS	Result 41 3.9 SampT	PQL 10	SPK value 50.00	SPK Ref Val	%REC		Ū.	•			
Diesel Range Organics (DRO) Surr: DNOP Sample ID: MB-64911 Client ID: PBS	41 3.9 SampT	10	50.00			LowLimit	HighLimit			<b>•</b>	
Surr: DNOP Sample ID: MB-64911 Client ID: PBS	3.9 SampT			0	81.6		<b>.</b>		RPDLimit	Qual	
Sample ID: MB-64911 Client ID: PBS	SampT	ype: ME	5.000			68.9	135				
Client ID: PBS		ype: ME			77.8	70	130				
-	Batch		SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics					
Prep Date: 1/7/2022	Batch ID: 64911			F	RunNo: 85066						
	Analysis D	0ate: 1/	11/2022	S	SeqNo: 29	992976	Units: mg/K	(g			
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) Surr: DNOP	ND	50	40.00		00.0	70	400				
	8.7		10.00		86.9	70	130				
Sample ID: MB-64960	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics		
Client ID: PBS	Batch	n ID: 64	960	F	RunNo: 8	5093					
Prep Date: 1/11/2022	Analysis D	0ate: 1/	12/2022	S	SeqNo: 29	994121	Units: %Re	C			
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	SampT	ype: LC	S	TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch	n ID: 64	960	RunNo: <b>85093</b>							
Prep Date: 1/11/2022	Analysis D	0ate: 1/	12/2022	S	SeqNo: 29	994126	Units: %Re	C			
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	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8015M/D: Die	esel Rang	e Organics		
Client ID: LCSS	Batch	n ID: 64	929	F	RunNo: <b>8</b>	5117		-			
Prep Date: 1/10/2022	Analysis D	0ate: 1/	12/2022	S	SeqNo: 29	994803	Units: <b>mg/K</b>	g			
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	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics		
Client ID: PBS	Batch	n ID: 64	929	F	RunNo: 8	5117					
Prep Date: 1/10/2022	Analysis D	Date: 1/	12/2022	S	SeqNo: 29	994804	Units: mg/K	g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	

### **Qualifiers:**

- Value exceeds Maximum Contaminant Level. \*
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- Analyte detected in the associated Method Blank В
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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# QC SUMMARY REPORT Hall Er

	WO#:	2201269
Invironmental Analysis Laboratory, Inc.		14-Jan-22

Client:	EOG										
Project:	Federal C	CM 1									
Sample ID: MI	B-64929	SampT	уре: М	BLK	Tes	tCode: El	PA Method	8015M/D: Die	sel Range	e Organics	
Client ID: PE	BS	Batch	ID: 64	1929	F	RunNo: <b>8</b>	5117				
Prep Date: 1	/10/2022	Analysis D	ate: 1	/12/2022	S	SeqNo: 2	994804	Units: mg/K	9		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Motor Oil Range O Surr: DNOP	Organics (MRO)	ND 8.9	50	10.00		89.5	70	130			
Sample ID: LC	CS-65000	SampT	ype: L	cs	Tes	tCode: El	PA Method	8015M/D: Die	sel Range	e Organics	
Client ID: LC	css	Batch	ID: 6	5000	F	RunNo: <b>8</b>	5137				
Prep Date: 1	/13/2022	Analysis D	ate: 1	/13/2022	S	SeqNo: 2	995385	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: MI	B-65000	SampT	уре: М	BLK	Tes	tCode: El	PA Method	8015M/D: Die	sel Range	e Organics	
Client ID: PE	BS	Batch	ID: 6	5000	F	RunNo: <b>8</b>	5137				
Prep Date: 1	/13/2022	Analysis D	ate: 1	/13/2022	5	SeqNo: 2	995388	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: MI	B-64980	SampT	уре: М	BLK	Tes	tCode: El	PA Method	8015M/D: Die	sel Range	e Organics	
Client ID: PE	BS	Batch	ID: 64	1980	F	RunNo: <b>8</b>	5152				
Prep Date: 1	/12/2022	Analysis D	ate: 1	/13/2022	S	SeqNo: 2	995661	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: LC	CS-64980	SampT	ype: L	CS	Tes	tCode: El	PA Method	8015M/D: Die	sel Range	e Organics	
Client ID: LC	css	Batch	ID: 64	1980	F	RunNo: <b>8</b>	5152				
Prep Date: 1	/12/2022	Analysis D	ate: 1	/13/2022	S	SeqNo: 2	995662	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
- Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

Practical Quanitative Limit PQL

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

Е Estimated value

J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit Page 19 of 21

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

WO#	<i>±</i> : <b>2201269</b>
	14-Jan-22

Client: EOG								
Project: Feder	al CM 1							
Sample ID: mb-64908	SampType: MBLK	TestCode: EPA Method	TestCode: EPA Method 8015D: Gasoline Range					
Client ID: PBS	Batch ID: 64908	RunNo: <b>85038</b>						
Prep Date: 1/7/2022	Analysis Date: 1/10/2022	SeqNo: 2992243	Units: <b>mg/Kg</b>					
Analyte	Result PQL SPK valu	e SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual				
Gasoline Range Organics (GRO) Surr: BFB	ND 5.0 900 100	0 90.1 70	130					
Sample ID: Ics-64908	SampType: LCS	TestCode: EPA Method	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: <b>mg/Kg</b>					
Analyte	Result PQL SPK valu	e SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual				
Gasoline Range Organics (GRO)	26 5.0 25.0	0 0 102 78.6	131					
Surr: BFB	1000 100	99.6 70	130					
Sample ID: mb-64917	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 64917	RunNo: <b>85038</b>						
Prep Date: 1/7/2022	Analysis Date: 1/10/2022	SeqNo: 2992378	Units: <b>mg/Kg</b>					
Analyte	Result PQL SPK val	e SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual				
Gasoline Range Organics (GRO) Surr: BFB	ND 5.0 850 100	0 85.5 70	130					
Sample ID: Ics-64917	SampType: LCS	TestCode: EPA Method	8015D: Gasoline Range	9				
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 valu	ie SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual				
Gasoline Range Organics (GRO)			-					
Surr: BFB	1000 100	0 101 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

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## QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc

	WO#:	2201269
ry, Inc.		14-Jan-22

Client:EOGProject:Fede	ral CM 1									
Sample ID: mb-64908	SampT	Гуре: <b>МЕ</b>	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batcl	h ID: 64	908	F	RunNo: <b>8</b>	5038				
Prep Date: 1/7/2022	Analysis D	Date: 1/	10/2022	S	SeqNo: 2	992253	Units: <b>mg/#</b>	g		
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: Ics-64908	SampT	Type: LC	S	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batcl	h ID: 64	908	F	RunNo: <b>8</b>	5038				
Prep Date: 1/7/2022	Analysis D	Date: 1/	10/2022	S	SeqNo: 2	992254	Units: <b>mg/k</b>	íg		
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	SampT	Гуре: <b>МЕ</b>	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batcl	h ID: 64	917	F	RunNo: <b>8</b>	5038				
Prep Date: 1/7/2022	Analysis D	Date: 1/	10/2022	S	SeqNo: 2	992408	Units: mg/k	g		
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: Ics-64917	SampT	Type: LC	S	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batcl	h ID: 64	917	F	RunNo: <b>8</b>	5038				
Prep Date: 1/7/2022	Analysis D	Date: 1/	10/2022	S	SeqNo: 2	992409	Units: <b>mg/k</b>	g		
Analyte	Result	PQL		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 Albi TEL: 505-345-3975 Website: clients.ha	4901 Haw uquerque, NN FAX: 505-34	kins NE 187109 <b>Sa</b> 15-4107	imple Log-In Check Lis
Client Name: EOG	Work Order Number:	2201269		RcptNo: 1
Received By: Cheyenne Cason Completed By: Desiree Dominguez Reviewed By: CMM	1/7/2022 8:00:00 AM 1/7/2022 8:09:50 AM		Chul De	
hain of Custody				
Is Chain of Custody complete?		Yes 🔽	No 🗌	Not Present
How was the sample delivered?		Courier		
<u>.og In</u>				
Was an attempt made to cool the samples?		Yes 🗹	No 🗌	NA 🗌
Were all samples received at a temperature	of >0° C to 6.0°C	Yes 🗹	No 🗌	NA 🗌
Sample(s) in proper container(s)?		Yes 🗹	No 🗌	
Sufficient sample volume for indicated test(s)	?	Yes 🗹	No 🗌	
Are samples (except VOA and ONG) properly	preserved?	Yes 🗹	No 🗌	
Was preservative added to bottles?		Yes 🗌	No 🗸	
Received at least 1 vial with headspace <1/4	for AQ VOA?	Yes	No 🗌	NA 🗸
Were any sample containers received broker		Yes	No 🔽	
Does paperwork match bottle labels?		Yes 🗹	No 🗌	# of preserved bottles checked for pH:
(Note discrepancies on chain of custody) Are matrices correctly identified on Chain of C				(<2 or >12 unless note
Is it clear what analyses were requested?		Yes 🗹	No 🗌	Adjusted?
Were all holding times able to be met?		Yes 🗹 Yes 🗹	No 🗌	Checked by: JN 17/2
(If no, notify customer for authorization.)		ies 💌		enecked by. The [1] [2
ecial Handling (if applicable)				
Was client notified of all discrepancies with the	is order?	Yes 🗌	No 🗌	NA 🔽
Person Notified:	Date:	a distanta tanga kawa	CALCULATE STREET, SOLL	
By Whom:	Via:	eMail	Phone 🦳 Fax	In Person
Regarding:				
Client Instructions:		at welchick organization	and a second second and a second s	
Additional remarks:				
Cooler Information				
Cooler Information           Cooler No         Temp °C         Condition         Sea	al Intact Seal No Se			

Chain-of-Custody Record Client: E.O.C Arksia / Ranger Env.	Turn-Around Time:	ime: Kush	5-day TAT			AN		HALL ENVI ANALYSIS	VIR S L	<b>N</b>	HALL ENVIRONMENTAL ANALYSIS LABORATORY	ATC	<b>I</b> AL	Received by O
Mailing Address: ビッシーロン ひん		う CM 年口	44	46	901 Ha	www.h 4901 Hawkins NE	w.hall NE -	www.hallenvironmental.com ins NE - Albuquerque, NM 8	nmen uerau	tal.co le. NN	environmental.com Albuaueraue. NM 87109	6		C <b>D:</b> 6/2
	D D D	7		-	Tel. 50	505-345-3975	3975	Fax	505	505-345-4107	4107			21/20
Phone #: 521 - 335 - 1725	5	5 75					A	Analysis	Northern Control of the	Request				22 1
-	Project Manage	er:		_				<sup>†</sup> O5		(ìu	(			:27:
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	Cooler Temp(including CF): 3.9	cluding CF):3.9	-0.123.8 (°C)							olifor	perg			
Date Time Matrix Sample Name	Container F Type and # T	Preservative Type	ALAL NO.	) XЭТ8 08:НЧТ	9 1808	N) 803 PAHs b	8 АЯЭЯ	85e0 (/ Cl' E' E	S) 0728	D latoT	740			
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6935 WHS-5			-003											
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10357 WHS-10			- 206											
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Chain-of-Custody Record	.90		vddre	N.	52	Fax#	ackag ard	ition:	ال	I ype		Time	1313	1220	20	1234									1 іте: 1000 Гяи	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.
บ	Client: EOG-Arteria Runyur EN		Mailing Address: ビビー 105 らりせん たちに、M 9210	Purger Ear! P.O.	Phone #:	email or Fax#: Wiv 🥝	QA/QC Package:	Accreditation:	P NELAC	ky EUU (Type) I				Ŧ		)					+	-+		i		lf ne
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February 16, 2022

Will Kierdorf EOG 105 South Fourth Street Artesia, NM 88210 TEL: FAX Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

OrderNo.: 2202253

RE: Federal CM 1

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

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202253

Date Reported: 2/16/2022

CLIENT: EOG		Cl	ient Sample	ID: W	TH-1/5	
Project: Federal CM 1		(	Collection Da	te: 1/3	31/2022 8:56:00 AM	
Lab ID: 2202253-001	Matrix: SOIL		Received Da	te: 2/5	5/2022 8:50:00 AM	
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: CAS
Chloride	630	60	mg/Ko	g 20	2/11/2022 12:14:00 AM	1 65489
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	t: SB
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	<b>j</b> 1	2/8/2022 6:10:28 PM	65400
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	<b>j</b> 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	E				Analys	t: RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	<b>j</b> 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					Analys	t: RAA
Benzene	ND	0.025	mg/Kg	<b>j</b> 1	2/8/2022 3:42:00 PM	65402
Toluene	ND	0.050	mg/Kg	<b>j</b> 1	2/8/2022 3:42:00 PM	65402
Ethylbenzene	ND	0.050	mg/Kg	<b>j</b> 1	2/8/2022 3:42:00 PM	65402
Xylenes, Total	ND	0.099	mg/Kg	<b>j</b> 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. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- В Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 1 of 35

## Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202253

Date Reported: 2/16/2022

CLIENT: EOG		Cl	ient Sample I	D: W	TH-1/12	
Project: Federal CM 1		(	Collection Dat	te: 1/3	31/2022 10:04:00 AM	
Lab ID: 2202253-002	Matrix: SOIL		Received Dat	te: 2/5	5/2022 8:50:00 AM	
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	: CAS
Chloride	380	60	mg/Kg	20	2/11/2022 12:26:24 AM	65489
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	: 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					Analys	: 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					Analys	: 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. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- В Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 2 of 35

### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202253

Date Reported: 2/16/2022

CLIENT: EOG		Cl	ient Sam	ple II	<b>):</b> W1	FH-2/3	
Project: Federal CM 1		(	Collection	n Date	e: 1/3	1/2022 10:24:00 AM	
Lab ID: 2202253-003	Matrix: SOIL		Receive	d Date	e: 2/5/	/2022 8:50:00 AM	
Analyses	Result	PQL	Qual U	Inits	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	CAS
Chloride	5200	300	n	ng/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	m	ng/Kg	1	2/8/2022 6:31:38 PM	65400
Motor Oil Range Organics (MRO)	ND	50	n	ng/Kg	1	2/8/2022 6:31:38 PM	65400
Surr: DNOP	79.6	51.1-141	%	6Rec	1	2/8/2022 6:31:38 PM	65400
EPA METHOD 8015D: GASOLINE RANGE	i i					Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.8	rr	ng/Kg	1	2/8/2022 4:23:00 PM	65402
Surr: BFB	102	70-130	%	6Rec	1	2/8/2022 4:23:00 PM	65402
EPA METHOD 8021B: VOLATILES						Analyst	RAA
Benzene	ND	0.024	r	ng/Kg	1	2/8/2022 4:23:00 PM	65402
Toluene	ND	0.048	n	ng/Kg	1	2/8/2022 4:23:00 PM	65402
Ethylbenzene	ND	0.048	r	ng/Kg	1	2/8/2022 4:23:00 PM	65402
Xylenes, Total	ND	0.096	n	ng/Kg	1	2/8/2022 4:23:00 PM	65402
Surr: 4-Bromofluorobenzene	102	70-130	%	6Rec	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. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- В Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 3 of 35

### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202253

Date Reported: 2/16/2022

CLIENT: EOG		Cl	ient Sample II	<b>D:</b> W	TH-2/6	
Project: Federal CM 1		(	Collection Dat	<b>e:</b> 1/3	31/2022 10:35:00 AM	
Lab ID: 2202253-004	Matrix: SOIL		<b>Received Dat</b>	<b>e:</b> 2/5	5/2022 8:50:00 AM	
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: CAS
Chloride	380	60	mg/Kg	20	2/11/2022 12:51:13 AM	1 65489
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	t: 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					Analys	t: 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					Analys	t: 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. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- В Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202253

Date Reported: 2/16/2022

CLIENT: EOG		Cl	ient Sample I	D: W	TH-3/3	
Project: Federal CM 1		(	Collection Da	<b>te:</b> 1/3	31/2022 10:58:00 AM	
Lab ID: 2202253-005	Matrix: SOIL		Received Da	te: 2/5	5/2022 8:50:00 AM	
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: CAS
Chloride	940	60	mg/Kg	20	2/11/2022 1:03:38 AM	65489
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	t: <b>SB</b>
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	E				Analys	t: 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					Analys	t: 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. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- в Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202253

Date Reported: 2/16/2022

CLIENT: EOG		Cl	ient Sampl	e ID: V	WTH-3/6
Project: Federal CM 1		(	Collection I	Date: 1	1/31/2022 11:07:00 AM
Lab ID: 2202253-006	Matrix: SOIL		Received I	Date: 2	2/5/2022 8:50:00 AM
Analyses	Result	PQL	Qual Uni	ts D	OF Date Analyzed Batc
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	290	60	mg/	Kg 2	20 2/11/2022 1:16:02 AM 6548
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	9.9	mg/	<b>K</b> g 1	1 2/8/2022 7:03:15 PM 6540
Motor Oil Range Organics (MRO)	ND	49	mg/	<b>≺</b> g 1	1 2/8/2022 7:03:15 PM 6540
Surr: DNOP	92.1	51.1-141	%R	ec 1	1 2/8/2022 7:03:15 PM 6540
EPA METHOD 8015D: GASOLINE RANGE	i .				Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/	<b>≺</b> g 1	1 2/8/2022 6:55:00 PM 6540
Surr: BFB	97.6	70-130	%R	ec 1	1 2/8/2022 6:55:00 PM 6540
EPA METHOD 8021B: VOLATILES					Analyst: RAA
Benzene	ND	0.024	mg/	<b>≺</b> g 1	1 2/8/2022 6:55:00 PM 6540
Toluene	ND	0.048	mg/	<b>K</b> g 1	1 2/8/2022 6:55:00 PM 6540
Ethylbenzene	ND	0.048	mg/	<b>≺</b> g 1	1 2/8/2022 6:55:00 PM 6540
Xylenes, Total	ND	0.095	mg/	<b>≺</b> g 1	1 2/8/2022 6:55:00 PM 6540
Surr: 4-Bromofluorobenzene	97.5	70-130	%R	ec 1	1 2/8/2022 6:55:00 PM 6540

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
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- В Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202253

Date Reported: 2/16/2022

CLIENT: EOG		Cl	ient Sample II	<b>D:</b> W	TH-4/1	
Project: Federal CM 1		(	Collection Dat	<b>e:</b> 1/3	31/2022 12:32:00 PM	
Lab ID: 2202253-007	Matrix: SOIL		<b>Received Dat</b>	<b>e:</b> 2/5	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. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- В Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202253

Date Reported: 2/16/2022

CLIENT: EOG	Client Sample ID: WTH-4/4 Collection Date: 1/31/2022 12:50:00 PM							
Project: Federal CM 1								
Lab ID: 2202253-008	Matrix: SOIL	<b>Received Date:</b> 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	E					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. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- В Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202253

Date Reported: 2/16/2022

CLIENT: EOG	Client Sample ID: WTH-5/1 Collection Date: 2/1/2022 11:04:00 AM							
Project: Federal CM 1								
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. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- В Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202253

Date Reported: 2/16/2022

CLIENT: EOG	Client Sample ID: WTH-5/4Collection Date: 2/1/2022 11:39:00 AMMatrix: SOILReceived Date: 2/5/2022 8:50:00 AM						
Project: Federal CM 1							
Lab ID: 2202253-010							
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analys	t: CAS	
Chloride	760	60	mg/Kg	20	2/11/2022 2:30:31 AM	65489	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	t: SB	
Diesel Range Organics (DRO)	95	9.9	mg/Kg	1	2/10/2022 12:51:08 PM	1 65410	
Motor Oil Range Organics (MRO)	200	49	mg/Kg	1	2/10/2022 12:51:08 PM	1 65410	
Surr: DNOP	100	51.1-141	%Rec	1	2/10/2022 12:51:08 PM	65410	
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: 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					Analys	t: 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. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- в Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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## Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202253

Date Reported: 2/16/2022

CLIENT: EOG	Client Sample ID: WTH-6/2Collection Date: 2/1/2022 2:04:00 PMMatrix: SOILReceived Date: 2/5/2022 8:50:00 AM						
Project: Federal CM 1							
Lab ID: 2202253-011							
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. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- в Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202253

Date Reported: 2/16/2022

CLIENT: EOG	Client Sample ID: WTH-6/5						
Project: Federal CM 1		(	Collect	ion Dat	<b>e:</b> 2/1	/2022 2:28:00 PM	
Lab ID: 2202253-012	Matrix: SOIL		Receiv	ved Dat	<b>e:</b> 2/5	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	E					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.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

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202253

Date Reported: 2/16/2022

CLIENT: EOG		Cl	ient Sam	ple ID	<b>):</b> W	TH-7/2	
Project: Federal CM 1		(	Collection	n Date	e: 2/1	/2022 2:38:00 PM	
Lab ID: 2202253-013	Matrix: SOIL		Received	l Date	e: 2/5	5/2022 8:50:00 AM	
Analyses	Result	PQL	Qual U	nits	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: ЈМТ
Chloride	1100	60	m	ig/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	m	ng/Kg	1	2/9/2022 3:36:29 PM	65410
Motor Oil Range Organics (MRO)	ND	49	m	ig/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	m	ig/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	m	ig/Kg	1	2/8/2022 9:13:00 PM	65402
Toluene	ND	0.047	m	ig/Kg	1	2/8/2022 9:13:00 PM	65402
Ethylbenzene	ND	0.047	m	ng/Kg	1	2/8/2022 9:13:00 PM	65402
Xylenes, Total	ND	0.094	m	ig/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. D Sample Diluted Due to Matrix
- Н 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
- в Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202253

Date Reported: 2/16/2022

CLIENT: EOG	Client Sample ID: WTH-7/6							
<b>Project:</b> Federal CM 1		(	Collection Dat	e: 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	: ЈМТ		
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. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- в Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202253

Date Reported: 2/16/2022

CLIENT: EOG		Cl	ient Sample I	<b>D:</b> W	TH-8/1		
Project: Federal CM 1		(	Collection Da	te: 2/1	/2022 3:02:00 PM		
Lab ID: 2202253-015	Matrix: SOIL         Received Date: 2/5/2022 8:50:00						
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	1				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. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- В Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits Р Sample pH Not In Range
- RL Reporting Limit

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202253

Date Reported: 2/16/2022

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 Ur	nits	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: JMT
Chloride	740	60	m	g/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	m	g/Kg	1	2/9/2022 4:08:57 PM	65410
Motor Oil Range Organics (MRO)	ND	49	m	g/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	m	g/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	g/Kg	1	2/9/2022 1:09:00 AM	65409
Toluene	ND	0.050	m	g/Kg	1	2/9/2022 1:09:00 AM	65409
Ethylbenzene	ND	0.050	m	g/Kg	1	2/9/2022 1:09:00 AM	65409
Xylenes, Total	ND	0.10	m	g/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. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- в Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range RL Reporting Limit
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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202253

Date Reported: 2/16/2022

CLIENT: EOG	Client Sample ID: WTH-9/0						
Project: Federal CM 1		(	Collection Dat	<b>e:</b> 2/1	/2022 3:20:00 PM		
Lab ID: 2202253-017	Matrix: SOIL		<b>Received Date</b>	e: 2/5	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	E				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. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- В Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202253

Date Reported: 2/16/2022

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		<b>Received Date</b>	e: 2/5	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	E				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. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- В Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202253

Date Reported: 2/16/2022

CLIENT: EOG		Cl	ient Sample	ID: ST	ГН-1/5	
Project: Federal CM 1		(	Collection Da	nte: 2/2	1/2022 4:15:00 PM	
Lab ID: 2202253-019	Matrix: SOIL         Received Date: 2/5/2022 8:50:00					
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JMT
Chloride	1300	60	mg/K	g 20	2/11/2022 1:07:42 PM	65494
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	t: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.5	mg/K	g 1	2/9/2022 4:41:17 PM	65410
Motor Oil Range Organics (MRO)	ND	47	mg/K	g 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					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/K	g 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					Analys	t: RAA
Benzene	ND	0.025	mg/K	g 1	2/9/2022 2:08:00 AM	65409
Toluene	ND	0.050	mg/K	g 1	2/9/2022 2:08:00 AM	65409
Ethylbenzene	ND	0.050	mg/K	g 1	2/9/2022 2:08:00 AM	65409
Xylenes, Total	ND	0.099	mg/K	g 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. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- В Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202253

Date Reported: 2/16/2022

CLIENT: EOG	Client Sample ID: STH-1/14						
Project: Federal CM 1		(	Collection Dat	<b>e:</b> 2/1	/2022 5:24:00 PM		
Lab ID: 2202253-020	Matrix: SOIL		<b>Received Dat</b>	<b>e:</b> 2/5	5/2022 8:50:00 AM		
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analys	: JMT	
Chloride	710	60	mg/Kg	20	2/11/2022 1:20:07 PM	65494	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	: 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	E				Analys	: 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					Analys	: 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. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- в Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202253

Date Reported: 2/16/2022

CLIENT: EOG	Client Sample ID: WTH-10/0						
Project: Federal CM 1		(	Collecti	on Dat	<b>e:</b> 2/2	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	E					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. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- в Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202253

Date Reported: 2/16/2022

CLIENT: EOG		Cl	ient Sample	D:	WTH-10/2	
Project: Federal CM 1		(	Collection I	ate: 2	2/2/2022 9:05:00 AM	
Lab ID: 2202253-022	Matrix: SOIL		2/5/2022 8:50:00 AM			
Analyses	Result	PQL	Qual Uni	s D	OF Date Analyzed Bat	tch
EPA METHOD 300.0: ANIONS					Analyst: <b>JM</b>	ΛT
Chloride	390	60	mg/l	Kg 2	20 2/11/2022 1:44:56 PM 654	494
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: SB	3
Diesel Range Organics (DRO)	ND	9.8	mg/l	(g 1	1 2/9/2022 5:13:33 PM 654	410
Motor Oil Range Organics (MRO)	ND	49	mg/l	(g 1	1 2/9/2022 5:13:33 PM 654	410
Surr: DNOP	65.9	51.1-141	%Re	c 1	1 2/9/2022 5:13:33 PM 654	410
EPA METHOD 8015D: GASOLINE RANGE	i i				Analyst: RA	٩A
Gasoline Range Organics (GRO)	ND	4.9	mg/l	(g 1	1 2/9/2022 3:06:00 AM 654	409
Surr: BFB	95.1	70-130	%Re	c 1	1 2/9/2022 3:06:00 AM 654	409
EPA METHOD 8021B: VOLATILES					Analyst: RA	٩A
Benzene	ND	0.025	mg/l	(g 1	1 2/9/2022 3:06:00 AM 654	409
Toluene	ND	0.049	mg/l	(g 1	1 2/9/2022 3:06:00 AM 654	409
Ethylbenzene	ND	0.049	mg/l	(g 1	1 2/9/2022 3:06:00 AM 654	409
Xylenes, Total	ND	0.099	mg/l	(g 1	1 2/9/2022 3:06:00 AM 654	409
Surr: 4-Bromofluorobenzene	93.2	70-130	%Re	c 1	1 2/9/2022 3:06:00 AM 654	409

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
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- В Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202253

Date Reported: 2/16/2022

CLIENT: EOG	Client Sample ID: WTH-11/0						
Project: Federal CM 1		(	Collection Dat	<b>e:</b> 2/2	2/2022 9:23:00 AM		
Lab ID: 2202253-023	Matrix: SOIL		<b>Received Dat</b>	<b>e:</b> 2/5	5/2022 8:50:00 AM		
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analysi	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	E				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. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- в Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202253

Date Reported: 2/16/2022

CLIENT: EOG		Cl	ient Sample	ID: W	/TH-11/2				
Project: Federal CM 1	Collection Date: 2/2/2022 9:26:00 AM								
Lab ID: 2202253-024	Matrix: SOIL		<b>Received Date:</b> 2/5/2022 8:50:00 AM						
Analyses	Result	PQL	Qual Unit	s DI	F Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analys	t: JMT			
Chloride	630	60	mg/ł	(g 20	2/11/2022 2:09:45 PM	65494			
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	t: <b>SB</b>			
Diesel Range Organics (DRO)	ND	9.6	mg/ł	(g 1	2/10/2022 1:22:16 PM	65450			
Motor Oil Range Organics (MRO)	ND	48	mg/ł	(g 1	2/10/2022 1:22:16 PM	65450			
Surr: DNOP	81.6	51.1-141	%Re	c 1	2/10/2022 1:22:16 PM	65450			
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA			
Gasoline Range Organics (GRO)	ND	5.0	mg/ł	(g 1	2/9/2022 4:05:00 AM	65409			
Surr: BFB	99.2	70-130	%Re	c 1	2/9/2022 4:05:00 AM	65409			
EPA METHOD 8021B: VOLATILES					Analys	t: RAA			
Benzene	ND	0.025	mg/ł	(g 1	2/9/2022 4:05:00 AM	65409			
Toluene	ND	0.050	mg/ł	(g 1	2/9/2022 4:05:00 AM	65409			
Ethylbenzene	ND	0.050	mg/ł	(g 1	2/9/2022 4:05:00 AM	65409			
Xylenes, Total	ND	0.099	mg/ł	(g 1	2/9/2022 4:05:00 AM	65409			
Surr: 4-Bromofluorobenzene	90.3	70-130	%Re	c 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
- Н 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
- в Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202253

Date Reported: 2/16/2022

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	<b>Received Date:</b> 2/5/2022 8:50:00 AM							
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analysi	: 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 RANG	E				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. D Sample Diluted Due to Matrix
- Н 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
- в Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202253

Date Reported: 2/16/2022

CLIENT: EOG	Client Sample ID: WTH-12/2								
Project: Federal CM 1	<b>Collection Date:</b> 2/2/2022 10:00:00 AM								
Lab ID: 2202253-026	Matrix: SOIL		<b>Received Dat</b>	<b>e:</b> 2/5	5/2022 8:50:00 AM				
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analys	: JMT			
Chloride	170	60	mg/Kg	20	2/11/2022 2:34:35 PM	65494			
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	: 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					Analys	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					Analys	: 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. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- в Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202253

Date Reported: 2/16/2022

CLIENT: EOG	Client Sample ID: WTH-13/0 Collection Date: 2/2/2022 10:12:00 AM								
Project: Federal CM 1									
Lab ID: 2202253-027	Matrix: SOIL	<b>Received Date:</b> 2/5/2022 8:50:00 AM							
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analys	t: <b>JMT</b>			
Chloride	ND	59	mg/Kg	20	2/11/2022 2:46:59 PM	65494			
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	t: <b>SB</b>			
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	E				Analys	t: 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					Analys	t: 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. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- в Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202253

Date Reported: 2/16/2022

CLIENT: EOG Project: Federal CM 1	Client Sample ID: WTH-13/2 Collection Date: 2/2/2022 10:18:00 AM								
Lab ID: 2202253-028	Matrix: SOIL		<b>Received Date:</b> 2/5/2022 8:50:00 AM						
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analys	: JMT			
Chloride	250	60	mg/Kg	20	2/11/2022 2:59:24 PM	65494			
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	: 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					Analys	: 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					Analys	: 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. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- в Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202253

Date Reported: 2/16/2022

CLIENT: EOG	Client Sample ID: STH-2/9								
Project: Federal CM 1		(	Collection Dat	<b>e:</b> 2/2	2/2022 11:30:00 AM				
Lab ID: 2202253-029	Matrix: SOIL	5/2022 8:50:00 AM							
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analysi	CAS			
Chloride	4900	300	mg/Kg	100	) 2/14/2022 11:29:02 AN	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
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- ND PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- В Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202253

Date Reported: 2/16/2022

CLIENT: EOG	Client Sample ID: STH-2/14 Collection Date: 2/2/2022 1:08:00 PM								
Project: Federal CM 1									
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	0 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	E				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. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- в Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits Р Sample pH Not In Range
- RL Reporting Limit

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	QU SUMMAKI KEPUKI	WO#:	2202253
Hall Environmental Analysis Laboratory, Inc. 16-Feb-22	Hall Environmental Analysis Laboratory, Inc.		16-Feb-22

Client: Project:	EOG Federal	CM 1			
Sample ID:	MB-65489	SampType: <b>mblk</b>	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: <b>mg/Kg</b>	
Analyte Chloride		Result PQL SPK valu ND 1.5	e SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Sample ID:	LCS-65489	SampType: Ics	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 valu	e SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride		14 1.5 15.0	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 Chloride		Result PQL SPK valu ND 1.5	e SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Sample ID:	LCS-65494	SampType: Ics	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: <b>mg/Kg</b>	
Analyte		Result PQL SPK valu	e SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride		14 1.5 15.0	0 93.6 90	110	

Qualifiers:

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

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**Client:** 

# QC SUMMARY REPORT Hall Env

	WO#:	2202253
vironmental Analysis Laboratory, Inc.		16-Feb-22
EOG		

Project: Federal	CM 1									
Sample ID: LCS-65400	SampTy	/pe: <b>LC</b>	S	Tes	TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: LCSS	Batch	ID: 65	400	F	RunNo: <b>85689</b>					
Prep Date: 2/7/2022	Analysis Da	ate: <b>2/</b>	8/2022	ę	SeqNo: 3	016915	Units: <b>mg/K</b>	٢g		
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	SampTy	/pe: <b>ME</b>	BLK	Tes	tCode: E	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batch	Batch ID: 65400			RunNo: <b>8</b>	5689				
Prep Date: 2/7/2022	Analysis Da	ate: <b>2/</b>	8/2022	ç	SeqNo: 3	016918	Units: mg/K	٢g		
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	SampTy	/pe: <b>ME</b>	BLK	Tes	tCode: E	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: PBS	Batch ID: 65410			F	RunNo: <b>85706</b>					
Prep Date: 2/8/2022	Analysis Da	ate: <b>2/</b>	9/2022	ę	SeqNo: 3	018485	Units: <b>mg/K</b>	٢g		
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	SampTy	/pe: <b>LC</b>	S	Tes	tCode: E	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: LCSS	Batch	ID: 65	410	F	RunNo: <b>8</b>	35706				
Prep Date: 2/8/2022	Analysis Da	ate: <b>2/</b>	9/2022	ç	SeqNo: 3	018486	Units: <b>mg/K</b>	٢g		
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	SampTy	/pe: LC	S	Tes	tCode: E	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: LCSS	Batch	ID: 65	450	F	RunNo: <b>8</b>	35759				
Prep Date: 2/9/2022	Analysis Da	ate: <b>2/</b>	10/2022	S	SeqNo: 3	019509	Units: <b>mg/K</b>	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
	42	10	50.00	0	83.8	68.9	135			
Diesel Range Organics (DRO)	74	10	00.00	0	05.0	00.9	100			

#### **Qualifiers:**

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

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#### 2202253 -Feb-22

2202253

16-Feb-22

WO#:

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

	EOG Federal CM 1									
Sample ID: MB-65450         SampType: MBLK         TestCode: EPA Method 8015M/D: Diesel Range Organics										
Client ID: PBS Batch ID: 65450			R	unNo: 8	5759					
Prep Date: 2/9/202	2 Analysis	s Date: 2/	10/2022	SeqNo: 3019512		019512	Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DF	RO) 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

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EOG

Federal CM 1

**Client:** 

**Project:** 

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

Sample ID: Ics-65402	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range
Client ID: LCSS	Batch ID: 65402	RunNo: <b>85687</b>
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: <b>85687</b>
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: Ics-65409	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range
Client ID: LCSS	Batch ID: 65409	RunNo: <b>85687</b>
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: <b>85687</b>
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

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WO#: 2202253 16-Feb-22 EOG

Federal CM 1

**Client:** 

**Project:** 

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

WO#:	2202253
	16_Fah_22

WO#:	220225
	16-Feb-22

Sample ID: Ics-65402	Samp	Гуре: <b>LC</b>	S	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batc	h ID: 654	402	F	RunNo: <b>8</b>	5687				
Prep Date: 2/7/2022	Analysis [	Date: 2/	8/2022	5	SeqNo: 3	016924	Units: <b>mg/k</b>	(g		
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	Samp	Гуре: <b>МЕ</b>	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batc	h ID: 654	402	F	RunNo: <b>8</b>	5687				
Prep Date: 2/7/2022	Analysis [	Date: 2/	8/2022	S	SeqNo: 3	016925	Units: <b>mg/k</b>	g		
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: Ics-65409	Samp	Гуре: <b>LC</b>	S	Tes	tCode: El	PA Method	8021B: Volat	iles		
Sample ID: Ics-65409 Client ID: LCSS		Гуре: <b>LC</b> h ID: <b>65</b> 4			tCode: <b>El</b> RunNo: <b>8</b>		8021B: Volat	iles		
		h ID: 654	409	F		5687	8021B: Volat			
Client ID: LCSS	Batc	h ID: 654	409 8/2022	F	RunNo: 8	5687			RPDLimit	Qual
Client ID: LCSS Prep Date: 2/7/2022	Batc Analysis [	h ID: 654 Date: 2/	409 8/2022	F	RunNo: <b>8</b> SeqNo: <b>3</b>	5687 016948	Units: mg/k	ſg	RPDLimit	Qual
Client ID: LCSS Prep Date: 2/7/2022 Analyte	Batc Analysis I Result	h ID: 654 Date: 2/0 PQL	<b>109</b> 8/2022 SPK value	F S SPK Ref Val	RunNo: 8 SeqNo: 3 %REC	5687 016948 LowLimit	Units: <b>mg/K</b> HighLimit	ſg	RPDLimit	Qual
Client ID: LCSS Prep Date: 2/7/2022 Analyte Benzene	Batc Analysis I Result 1.0	h ID: 654 Date: 2/8 PQL 0.025	<b>409</b> 8/2022 SPK value 1.000	F SPK Ref Val 0	RunNo: 8 SeqNo: 3 %REC 104	5687 016948 LowLimit 80	Units: <b>mg/k</b> HighLimit 120	ſg	RPDLimit	Qual
Client ID: LCSS Prep Date: 2/7/2022 Analyte Benzene Toluene	Batc Analysis I Result 1.0 1.0	h ID: 654 Date: 2/4 PQL 0.025 0.050	409 8/2022 SPK value 1.000 1.000	F SPK Ref Val 0 0	RunNo: 8 SeqNo: 3 %REC 104 100	5687 016948 LowLimit 80 80	Units: <b>mg/K</b> HighLimit 120 120	ſg	RPDLimit	Qual
Client ID: LCSS Prep Date: 2/7/2022 Analyte Benzene Toluene Ethylbenzene	Batc Analysis I Result 1.0 1.0 0.98	h ID: 654 Date: 2/8 PQL 0.025 0.050 0.050	409 8/2022 SPK value 1.000 1.000 1.000	F SPK Ref Val 0 0 0	RunNo: 8 SeqNo: 3 %REC 104 100 97.5	5687 016948 LowLimit 80 80 80	Units: <b>mg/k</b> HighLimit 120 120 120	ſg	RPDLimit	Qual
Client ID: LCSS Prep Date: 2/7/2022 Analyte Benzene Toluene Ethylbenzene Xylenes, Total	Batc Analysis I Result 1.0 1.0 0.98 2.9 0.89	h ID: 654 Date: 2/8 PQL 0.025 0.050 0.050	409 B/2022 SPK value 1.000 1.000 3.000 1.000	F SPK Ref Val 0 0 0 0	RunNo: 8 SeqNo: 3 %REC 104 100 97.5 96.2 88.7	5687 016948 LowLimit 80 80 80 80 70	Units: <b>mg/k</b> HighLimit 120 120 120 120	Sg %RPD	RPDLimit	Qual
Client ID: LCSS Prep Date: 2/7/2022 Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene	Batc Analysis I Result 1.0 1.0 0.98 2.9 0.89 Samp	h ID: 654 Date: 2/6 PQL 0.025 0.050 0.050 0.10	409 B/2022 SPK value 1.000 1.000 3.000 1.000 3.000 BLK	F SPK Ref Val 0 0 0 0 0 Tes	RunNo: 8 SeqNo: 3 %REC 104 100 97.5 96.2 88.7	5687 016948 LowLimit 80 80 80 80 80 70 PA Method	Units: <b>mg/k</b> HighLimit 120 120 120 120 120 130	Sg %RPD	RPDLimit	Qual
Client ID: LCSS Prep Date: 2/7/2022 Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: mb-65409	Batc Analysis I Result 1.0 1.0 0.98 2.9 0.89 Samp	h ID: 654 Date: 2/4 PQL 0.025 0.050 0.050 0.10 Type: ME h ID: 654	409 B/2022 SPK value 1.000 1.000 3.000 1.000 SLK 409	F SPK Ref Val 0 0 0 0 0 Tes F	RunNo: 8 SeqNo: 3 %REC 104 100 97.5 96.2 88.7 tCode: El	5687 016948 LowLimit 80 80 80 80 70 PA Method 5687	Units: <b>mg/k</b> HighLimit 120 120 120 120 120 130	Sg %RPD	RPDLimit	Qual
Client ID: LCSS Prep Date: 2/7/2022 Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: mb-65409 Client ID: PBS	Batc Analysis I Result 1.0 1.0 0.98 2.9 0.89 Samp Batc	h ID: 654 Date: 2/4 PQL 0.025 0.050 0.050 0.10 Type: ME h ID: 654	409 8/2022 SPK value 1.000 1.000 3.000 1.000 SLK 409 8/2022	F SPK Ref Val 0 0 0 0 0 Tes F	RunNo: 8 SeqNo: 3 %REC 104 100 97.5 96.2 88.7 tCode: El RunNo: 8	5687 016948 LowLimit 80 80 80 80 70 PA Method 5687	Units: mg/k HighLimit 120 120 120 120 130 8021B: Volat	Sg %RPD	RPDLimit	Qual
Client ID: LCSS Prep Date: 2/7/2022 Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: mb-65409 Client ID: PBS Prep Date: 2/7/2022	Batc Analysis I Result 1.0 1.0 0.98 2.9 0.89 Samp Batc Analysis I	h ID: 654 Date: 2/3 PQL 0.025 0.050 0.10 Type: ME h ID: 654 Date: 2/3	409 8/2022 SPK value 1.000 1.000 3.000 1.000 SLK 409 8/2022	F SPK Ref Val 0 0 0 0 0 Tes F S	RunNo: 8 SeqNo: 3 %REC 104 100 97.5 96.2 88.7 tCode: El RunNo: 8 SeqNo: 3	5687 016948 LowLimit 80 80 80 80 70 PA Method 5687 016949	Units: mg/k HighLimit 120 120 120 120 130 8021B: Volat	Sg %RPD iiles		
Client ID: LCSS Prep Date: 2/7/2022 Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: mb-65409 Client ID: PBS Prep Date: 2/7/2022 Analyte	Batc Analysis I Result 1.0 1.0 0.98 2.9 0.89 Samp Batc Analysis I Result	h ID: 654 Date: 2/6 PQL 0.025 0.050 0.050 0.10 Type: ME h ID: 654 Date: 2/6 PQL	409 8/2022 SPK value 1.000 1.000 3.000 1.000 SLK 409 8/2022	F SPK Ref Val 0 0 0 0 0 Tes F S	RunNo: 8 SeqNo: 3 %REC 104 100 97.5 96.2 88.7 tCode: El RunNo: 8 SeqNo: 3	5687 016948 LowLimit 80 80 80 80 70 PA Method 5687 016949	Units: mg/k HighLimit 120 120 120 120 130 8021B: Volat	Sg %RPD iiles		
Client ID: LCSS Prep Date: 2/7/2022 Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: mb-65409 Client ID: PBS Prep Date: 2/7/2022 Analyte Benzene	Batc Analysis I Result 1.0 1.0 0.98 2.9 0.89 Samp Batc Analysis I Result ND	h ID: 654 Date: 2/4 PQL 0.025 0.050 0.050 0.10 Fype: ME h ID: 654 Date: 2/4 Date: 2/4 PQL 0.025	409 8/2022 SPK value 1.000 1.000 3.000 1.000 SLK 409 8/2022	F SPK Ref Val 0 0 0 0 0 Tes F S	RunNo: 8 SeqNo: 3 %REC 104 100 97.5 96.2 88.7 tCode: El RunNo: 8 SeqNo: 3	5687 016948 LowLimit 80 80 80 80 70 PA Method 5687 016949	Units: mg/k HighLimit 120 120 120 120 130 8021B: Volat	Sg %RPD iiles		
Client ID: LCSS Prep Date: 2/7/2022 Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: mb-65409 Client ID: PBS Prep Date: 2/7/2022 Analyte Benzene Toluene	Batc Analysis I Result 1.0 1.0 0.98 2.9 0.89 Samp Batc Analysis I Result ND ND	h ID: 654 Date: 2/2 PQL 0.025 0.050 0.050 0.10 Fype: ME h ID: 654 Date: 2/2 PQL 0.025 0.050	409 8/2022 SPK value 1.000 1.000 3.000 1.000 SLK 409 8/2022	F SPK Ref Val 0 0 0 0 0 Tes F S	RunNo: 8 SeqNo: 3 %REC 104 100 97.5 96.2 88.7 tCode: El RunNo: 8 SeqNo: 3	5687 016948 LowLimit 80 80 80 80 70 PA Method 5687 016949	Units: mg/k HighLimit 120 120 120 120 130 8021B: Volat	Sg %RPD iiles		
Client ID: LCSS Prep Date: 2/7/2022 Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: mb-65409 Client ID: PBS Prep Date: 2/7/2022 Analyte Benzene Toluene Ethylbenzene	Batc Analysis I Result 1.0 1.0 0.98 2.9 0.89 Samp Batc Analysis I Result ND ND ND	h ID: 654 Date: 2/2 PQL 0.025 0.050 0.050 0.10 Fype: ME h ID: 654 Date: 2/2 PQL 0.025 0.050 0.050	409 8/2022 SPK value 1.000 1.000 3.000 1.000 SLK 409 8/2022	F SPK Ref Val 0 0 0 0 0 Tes F S	RunNo: 8 SeqNo: 3 %REC 104 100 97.5 96.2 88.7 tCode: El RunNo: 8 SeqNo: 3	5687 016948 LowLimit 80 80 80 80 70 PA Method 5687 016949	Units: mg/k HighLimit 120 120 120 120 130 8021B: Volat	Sg %RPD iiles		

#### **Qualifiers:**

- Value exceeds Maximum Contaminant Level. \*
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- Analyte detected in the associated Method Blank в
- Е Estimated value

J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit Page 35 of 35

ANALYSIS	NTAL	TEL: 505-345-3	ntal Analysis Labc 4901 Hawk Albuquerque, NM 8975 FAX: 505-342 s.hallenvironment	ins NE 87109 Sar 5-4107	nple Log-In Che	Page 97 o
Client Name: EOG		Work Order Num	ber: 2202253		RcptNo: 1	
Received By: Cheye	nne Cason	2/5/2022 8:50:00 A	м	Chul		
Completed By: Cheye	nne Cason	2/5/2022 9:16:55 A	м	Chul Chul		
Reviewed By: A car	105/2022			Capital		
Chain of Custody						
1. Is Chain of Custody co	mplete?		Yes 🗹	No 🗌	Not Present	
2. How was the sample d	elivered?		Courier			
Log In 3. Was an attempt made	to cool the samples?			N []		
princes	to ocor the sumples?		Yes 🗹	No 🗌	NA	
4. Were all samples receiv	ved at a temperature o	of >0° C to 6.0°C	Yes 🗹	No 🗌		
5. Sample(s) in proper con	ntainer(s)?		Yes 🔽	No 🗌		
6. Sufficient sample volum	e for indicated test(s)	?	Yes 🔽	No 🗌		
7. Are samples (except VC	A and ONG) properly	preserved?	Yes 🗸	No 🗌		
8. Was preservative addec	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 conta			Yes	No 🗹		
					# of preserved bottles checked	
11. Does paperwork match I (Note discrepancies on o			Yes 🗹	No 🗌	for pH:	
12. Are matrices correctly id	.,	ustodv?	Yes 🗸	No 🗌	(<2 or >12 u Adjusted?	niess noted)
13. Is it clear what analyses			Yes 🔽			
14. Were all holding times a (If no, notify customer fo			Yes 🗹		Checked by: OVC	2/5/202
Special Handling (if a	14					
15. Was client notified of all		is order?	Yes	No 🗌	NA 🔽	
Person Notified:	ľ.	Property and a				
By Whom:		Date:			<b>—</b>	
Regarding:		Via:	eMail P	hone 🗌 Fax	In Person	
Client Instructions					PEAKS BURGED TO DAMAGE TO THE MALERAL OF	
16. Additional remarks:						
17. <u>Cooler Information</u> Cooler No Temp % 1 0.0		I Intact Seal No	Seal Date	Signed By		

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Page 1 of 1

	244/22 Julio V. Iven-WZ	Date: Time: Relinquished by:	L 1420 L WTH-6/5	121: 1404 WTH-6/8	1139 WTH-5/4	P 02/02/22 1104 WTH - 5/ 1	1-1250 WTH-4/4	(232 WTH-4/1	1107 WTH-3/6	1058 WTH-3/3	1035 WITH-2-16	IDRA WTH-2/3	loct NT-1/12	02/51/22 056 So:1 WTH-1/5	Date Time Matrix Sample Name		EDD (Type) Excel	Accreditation:  Az Compliance NELAC Other	Standard D Level 4 (Full Validation)	QA/QC Package:	email or Fax#: Will@RangerEnv.com	Phone #: 521-335-1785	Ranger: PO Box 201179, Austin TX 78720	Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210	ge 9	Client: EOG-Artesia / Ranger Env.	Chain-of-Custody Record
Chu Cour 2/5/22 0850	Wy 14/22	/ia:"	ł	011	Olo	0009	800	700	300	230	190	683	377	1x yesting Ife add	Container Preservative HEAL No. Type and # Type 27.02.253	Cooler Temp(including CF): $\mathcal{G}_{1} - \mathcal{O}_{1} \leq \mathcal{O}_{2} \mathcal{O}_{2}$	# of Coolers: (	Sampler: W Keynedy On Ice: 12 Yes I No			Project Manager: W. Kierdorf		Project #: 5375	Federal CM #1	Project Name:	Standard KRush 5- Au TAT	
		Remarks: Bill to EOG Artesia													BTEX ( TPH:80 Chlorid	15D(	GR		0 / M	11RO	)	Anal	0.	4901 Hawkins NE - Albuquerque, NM 87109	www.hallenvironmental.com	ANALYSIS LABORATORY	HAIL ENVIDONMENTA

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Received by 2/4/07 1900 WWWW 2000 2000 2000 2000 2000 2000 2	Date: Time: Relinquished by:	2/4/22 1200	Date: Time: Relinquished by:	/202		H/T-H-> T 1, P2-LI	5/T-7-15 1 21/2 20/20/20	-buttle-from when	1 1523 - WTH-9/4	1520 INTH-9/0	1510 WTH-814	1502 WITH-8/1	1454 1 WTH-7/6	02/02/12 1438 501 WTH-7/2 14	Date Time Matrix Sample Name	Cor	EDD (Type) Excel # of	■ NELAC □ Other On	Accreditation:  Az Compliance Sar	Standard   Level 4 (Full Validation)	QA/QC Package:	ngerEnv.com	Phone #: 521-335-1785	Austin TX 78720	Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210		Ranger Env.	<sup>128</sup> Chain-of-Custody Record Turr
らし ひん のんらひ This serves as notice of	Received by: Via: Date Time	1 Runing 2/4/22 1200	Received by: Via: Date Time			020 7 7	019		t + 018	21	OI6	015	P10	VHOR IS ICE 013	Container Preservative HEAL No. Type and # Type 2202253	Cooler Temp(including CF): $G.(-0.1 \neq 0.0)$	# of Coolers: (	On Ice: 🔉 Yes 🗆 No	ennedy			Project Manager: W. Kierdorf		Project #: 5375	Federal CM #1	Project Name:	Standard Rush 5-July T.H.T.	Turn-Around Time:
this possibility. Any sub-contracted data will be clearly notated on the analytical report			Remarks: Bill to EOG Artesia												BTEX TPH:80	015D	(GF						Analysis Request	Tel. 505-345-3975 Fax 505-345-4107	4901 Hawkins NE - Albuquerque, NM 87109	www.hallenvironmental.com		HALL ENVIRONMENTAL

Chain-of-Custody Record	Turn-Around Time:	ime:						Л			)		ñ.	Í			
Client: EOG-Artesia / Ranger Env.	□ Standard	Rush_	5- day TAT				ANALYSIS	Κ'n			YSIS LABORATORY	Ô		T a	N I	≺'	
	Project Name:	_					www.hallenvironmental.com	allen	viron	ment	al.co	3	j		I	i	
Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210	Fedre	I CM :	井 广		490	1 Haw	4901 Hawkins NE	- 2	buqu	erqu	Albuquerque, NM 87109	1 871	109				
Ranger: PO Box 201179, Austin TX 78720	Project #: 5375				Tel.	505-	Tel. 505-345-3975		Fax .	505-	Fax 505-345-4107	4107					0
Phone #: 521-335-1785								Anal	ysis	Req	Analysis Request						100 Mar 17
email or Fax#: Will@RangerEnv.com	Project Manager: W. Kierdorf	er: W. Kierdo	orf		))	_		-									
QA/QC Package:					MRC												
Standard D Level 4 (Full Validation)					)/I												
Accreditation: 🛛 Az Compliance	Sampler: 🗸	Kennedy				))											
■ NELAC □ Other	On Ice: 🖌		O No			300											
EDD (Type) Excel	# of Coolers: (			1)		PA											
	Cooler Temp(Including CF): 0.	-	-0.1 = 0.0	3021		e (El											
	Container P	Preservative	HEAL No	EX (8	1:801	oride											
Date Time Matrix Sample Name	Type and # T	Туре	2207253	вті		Chl											
02/02/22 0900 Soil WITH - 10/0	1×462, Jur	Ice	021	X	X	X											
1 0965 1 WTH - 1012			027	<u>_</u>													1
0123 WTH 11/0			023		1												
0926 WTH - 11/2			024														
0945 / WTH-12/0			025											L			
1000 WTH-12 2			016														1
1012 WTH- 131 0		-	627														
1 1018 WTH-13/2		0	028	_													_
1130 STH-219		_	029														
1 1308 - STH-2/14	t	t	07.030	۸	H								-				
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Re		Via:	Date Time	Rem	arks:	Remarks: Bill to	EOG Artesia	tesia	1000						4		
4/12 1200	2	ALI	2														
Date: Time: Relinquished by:		Via:	Date Time														_
14/22 19w aller	cme co	courr 2/5	5/22 0850														
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 reporting of the serves as notice of this possibility.	ontracted to other acc	redited laboratorie	s. This serves as notice of th	iis possi	bility. /	Any sub-	contracted d	ata will	be clea	arly not	ated or	1 the ar	nalytica	al repo	k		

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Received by OCD: 6/21/2022 1:27:57 PM



March 18, 2022

Will Kierdorf EOG 105 South Fourth Street Artesia, NM 88210 TEL: FAX Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

OrderNo.: 2203354

RE: Federal CM 1

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

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203354

Date Reported: 3/18/2022

CLIENT: EOG		Cl	ient Sampl	e ID: V	WTH-14/0	
Project: Federal CM 1		(	Collection I	Date: 3	3/3/2022 9:06:00 AM	
Lab ID: 2203354-001	Matrix: SOIL		Received 1	Date: 3	3/5/2022 8:55:00 AM	
Analyses	Result	PQL	Qual Uni	ts D	F Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	st: CAS
Chloride	290	60	mg/	Kg 2	0 3/11/2022 5:54:30 PN	66133
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	st: TOM
Diesel Range Organics (DRO)	ND	8.3	mg/	Kg 1	3/11/2022 12:28:56 P	M 66036
Motor Oil Range Organics (MRO)	ND	41	mg/	Kg 1	3/11/2022 12:28:56 P	M 66036
Surr: DNOP	71.1	51.1-141	%R	ec 1	3/11/2022 12:28:56 P	M 66036
EPA METHOD 8015D: GASOLINE RANGE					Analys	st: RAA
Gasoline Range Organics (GRO)	ND	4.6	mg/	Kg 1	3/11/2022 1:09:00 AN	66025
Surr: BFB	99.0	70-130	%R	ec 1	3/11/2022 1:09:00 AN	66025
EPA METHOD 8021B: VOLATILES					Analys	st: RAA
Benzene	ND	0.023	mg/	Kg 1	3/11/2022 1:09:00 AN	66025
Toluene	ND	0.046	mg/	Kg 1	3/11/2022 1:09:00 AN	66025
Ethylbenzene	ND	0.046	mg/	Kg 1	3/11/2022 1:09:00 AN	66025
Xylenes, Total	ND	0.093	mg/	Kg 1	3/11/2022 1:09:00 AN	66025
Surr: 4-Bromofluorobenzene	84.9	70-130	%R	ec 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. D Sample Diluted Due to Matrix
- Н 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
- в Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203354

Date Reported: 3/18/2022

CLIENT: EOG		Cl	ient Sa	mple II	D: W	TH-14/2	
Project: Federal CM 1		(	Collect	ion Dat	<b>e:</b> 3/3	3/2022 9:10:00 AM	
Lab ID: 2203354-002	Matrix: SOIL		Receiv	ved Dat	<b>e:</b> 3/5	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. D Sample Diluted Due to Matrix
- Н 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
- в Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203354

Date Reported: 3/18/2022

CLIENT: EOG		Cl	ient Samj	ple ID:	: ST	H-3/13	
Project: Federal CM 1		(	Collection	n Date:	3/3	3/2022 10:09:00 AM	
Lab ID: 2203354-003	Matrix: SOIL		Received	l Date:	: 3/5	5/2022 8:55:00 AM	
Analyses	Result	PQL	Qual U	nits	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	CAS
Chloride	2600	150	m	g/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	m	g/Kg	1	3/11/2022 12:56:58 PM	66036
Motor Oil Range Organics (MRO)	ND	50	m	g/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	m	g/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	m	g/Kg	1	3/11/2022 1:48:00 AM	66025
Toluene	ND	0.049	m	g/Kg	1	3/11/2022 1:48:00 AM	66025
Ethylbenzene	ND	0.049	m	g/Kg	1	3/11/2022 1:48:00 AM	66025
Xylenes, Total	ND	0.097	m	g/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. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- в Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203354

Date Reported: 3/18/2022

CLIENT: EOG		Cl	ient Sample II	<b>):</b> ST	TH-3/19	
Project: Federal CM 1		(	Collection Dat	e: 3/3	3/2022 11:02:00 AM	
Lab ID: 2203354-004	Matrix: SOIL		<b>Received Dat</b>	e: 3/5	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	E				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. D Sample Diluted Due to Matrix
- Н 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
- в Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203354

Date Reported: 3/18/2022

CLIENT: EOG	Client Sample ID: STH-5/4 Collection Date: 3/3/2022 11:44:00 AM						
Project: Federal CM 1							
Lab ID: 2203354-005	Matrix: SOIL         Received Date: 3/5/2022 8:55:00 A						
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	: ТОМ	
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. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- В Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203354

Date Reported: 3/18/2022

CLIENT: EOG	Client Sample ID: STH-5/7Collection Date: 3/3/2022 11:50:00 AMMatrix: SOILReceived Date: 3/5/2022 8:55:00 AM					
Project: Federal CM 1						
Lab ID: 2203354-006						
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: CAS
Chloride	370	61	mg/Kg	20	3/11/2022 7:21:19 PM	66133
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	t: 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					Analys	t: 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					Analys	t: 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. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- в Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203354

Date Reported: 3/18/2022

CLIENT: EOG	Client Sample ID: STH-6/3 Collection Date: 3/3/2022 12:14:00 PM							
Project: Federal CM 1								
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:	ТОМ		
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. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- в Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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## Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203354

Date Reported: 3/18/2022

CLIENT: EOG	Client Sample ID: STH-6/6 Collection Date: 3/3/2022 1:28:00 PM					
Project: Federal CM 1						
Lab ID: 2203354-008	Matrix: SOIL		<b>Received Dat</b>	<b>e:</b> 3/5	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	: том
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	E				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. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- в Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Lab Order 2203354

Date Reported: 3/18/2022

CLIENT: EOG	Client Sample ID: STH-7/3 Collection Date: 3/3/2022 1:50:00 PM					
Project: Federal CM 1						
Lab ID: 2203354-009	Matrix: SOIL		<b>Received Dat</b>	e: 3/5	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	: ТОМ
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. D Sample Diluted Due to Matrix
- Н 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
- В Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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## Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203354

Date Reported: 3/18/2022

CLIENT: EOG	Client Sample ID: STH-7/6						
Project: Federal CM 1		3/2022 2:08:00 PM					
Lab ID: 2203354-010	Matrix: SOIL		<b>Received Dat</b>	<b>e:</b> 3/5	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:	том	
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	E				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. D Sample Diluted Due to Matrix
- Н 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
- в Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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## Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203354

Date Reported: 3/18/2022

CLIENT: EOG	Client Sample ID: STH-9/1 Collection Date: 3/3/2022 2:20:00 PM					
Project: Federal CM 1						
Lab ID: 2203354-011	Matrix: SOIL		<b>Received Dat</b>	te: 3/5	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	E				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. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- в Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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## Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203354

Date Reported: 3/18/2022

CLIENT: EOG	Client Sample ID: STH-9/4						
Project: Federal CM 1	<b>Collection Date:</b> 3/3/2022 2:31:00						
Lab ID: 2203354-012	Matrix: SOIL		Receiv	ed Dat	<b>e:</b> 3/5	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	E					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. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- в Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range RL Reporting Limit
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## Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203354

Date Reported: 3/18/2022

CLIENT: EOG		Cl	ient Sa	mple Il	D: ST	H-8/10	
Project: Federal CM 1	<b>Collection Date:</b> 3/3/2022 3:15:00						
Lab ID: 2203354-013	Matrix: SOIL		Receiv	ed Dat	<b>e:</b> 3/5	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
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- в Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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## Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203354

Date Reported: 3/18/2022

CLIENT: EOG	Client Sample ID: STH-8/17 Collection Date: 3/3/2022 3:38:00 PM					
Project: Federal CM 1						
Lab ID: 2203354-014	Matrix: SOIL		<b>Received Dat</b>	<b>e:</b> 3/5	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	том
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. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- в Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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## Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203354

Date Reported: 3/18/2022

CLIENT: EOG	Client Sample ID: STH-8/19							
Project: Federal CM 1		(	Collection Dat	llection Date: 3/3/2022 3:44:00 PM				
Lab ID: 2203354-015	Matrix: SOIL		<b>Received Dat</b>	<b>e:</b> 3/5	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	E				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. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- в Analyte detected in the associated Method Blank
- Е Estimated value J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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## Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203354

Date Reported: 3/18/2022

CLIENT: EOG		Cl	ient Saı	nple II	D: ST	H-10/1	
Project: Federal CM 1		(	Collectio	on Dat	<b>e:</b> 3/3	3/2022 4:02:00 PM	
Lab ID: 2203354-016	Matrix: SOIL		Receiv	ed Dat	<b>e:</b> 3/5	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. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- в Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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## Hall Environmental Analysis Laboratory, Inc.

Lab Order 2203354

Date Reported: 3/18/2022

CLIENT: EOG	Client Sample ID: STH-10/4					
Project: Federal CM 1		3/2022 4:06:00 PM				
Lab ID: 2203354-017	Matrix: SOIL		<b>Received Dat</b>	<b>e:</b> 3/5	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:	том
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	E				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. D Sample Diluted Due to Matrix
- Н 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
- в Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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L.	Hall Environmental Analysis Laboratory, Inc.			
Client: Project:	EOG Federal CM 1			

Sample ID: MB-66133	SampType: mb	olk	Tes	tCode: EF	PA Method	300.0: Anion	S		
Client ID: PBS	Batch ID: 661	133	F	RunNo: <b>86</b>	6445				
Prep Date: 3/11/2022	Analysis Date: 3/	11/2022	S	SeqNo: 30	049868	Units: mg/K	٤g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND 1.5								
	ND 1.5 SampType: Ics		Tes	tCode: EF	PA Method	300.0: Anion	S		
Chloride Sample ID: LCS-66133 Client ID: LCSS				tCode: EF		300.0: Anion	S		
Sample ID: LCS-66133	SampType: Ics	133	F		6445	<b>300.0: Anion</b> Units: <b>mg/K</b>	-		
Sample ID: LCS-66133 Client ID: LCSS	SampType: Ics Batch ID: 661	133 11/2022	F	RunNo: 86	6445		-	RPDLimit	Qual

Qualifiers:

- Value exceeds Maximum Contaminant Level. \*
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
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- % Recovery outside of range due to dilution or matrix interference S
- В Analyte detected in the associated Method Blank
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# QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc

	WO#:	2203354	
conmental Analysis Laboratory, Inc.		18-Mar-22	

Client: EOG	d CM 1									
Project: Federa										
Sample ID: MB-66050	SampTyp	e: ME	BLK	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batch II	D: 66	050	F	RunNo: <b>8</b>	6373				
Prep Date: 3/9/2022	Analysis Date	e: <b>3/</b>	10/2022	S	SeqNo: 3	047399	Units: <b>mg/#</b>	g		
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	SampTyp	e: LC	S	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batch II	D: 66	036	F	RunNo: <b>8</b>	6373				
Prep Date: 3/9/2022	Analysis Date	e: <b>3/</b>	10/2022	S	SeqNo: 3	047412	Units: mg/k	g		
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	SampTyp	e: LC	S	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batch II	D: 66	050	F	RunNo: 8	6373				
Prep Date: 3/9/2022	Analysis Date	e: <b>3/</b>	10/2022	S	SeqNo: 3	047414	Units: mg/k	g		
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	SampTyp	e: ME	BLK	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batch II	D: 66	036	F	RunNo: 8	6373				
Prep Date: 3/9/2022	Analysis Date	e: <b>3/</b>	10/2022	S	SeqNo: 3	047440	Units: <b>mg/#</b>	g		
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:

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- P Sample pH Not In Range
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# QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#:	2203354
	18-Mar-22

Client: Project:	EOG Federal	CM 1									
Sample ID:	mb-66026	SampT	ype: ME	BLK	Test	Code: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID:	PBS	Batch	n ID: 66	026	R	unNo: 8	6398				
Prep Date:	3/8/2022	Analysis D	Date: 3/	10/2022	S	eqNo: 3	047578	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang Surr: BFB	ge Organics (GRO)	ND 1100	5.0	1000		106	70	130			
Sample ID:	lcs-66026	SampT	ype: LC	S	Test	Code: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID:	LCSS	Batch	n ID: 66	026	R	unNo: 8	6398				
Prep Date:	3/8/2022	Analysis D	Date: 3/	10/2022	S	eqNo: 3	047579	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
-	ge Organics (GRO)	27	5.0	25.00	0	107	78.6	131			_
Surr: BFB		2200		1000		224	70	130			S
		2200									0
Sample ID:	lcs-66025		ype: LC		Test	Code: Ef		8015D: Gaso	line Rang	e	
Sample ID: Client ID:		SampT	ype: <b>LC</b>	S		Code: Ef	PA Method		line Rang	e	
	LCSS	SampT	n ID: 66	S 025	R		PA Method		Ū	e	
Client ID:	LCSS	SampT Batch	n ID: 66	S 025 10/2022	R	unNo: <b>8</b>	PA Method	8015D: Gaso	Ū	e RPDLimit	Qual
Client ID: Prep Date: Analyte	LCSS	SampT Batch Analysis D	n ID: 66 Date: 3/	S 025 10/2022	R	unNo: <b>8</b> eqNo: <b>3</b>	PA Method 6391 047898	8015D: Gaso Units: mg/K	g		
Client ID: Prep Date: Analyte	LCSS 3/8/2022	SampT Batch Analysis D Result	n ID: <b>66</b> Date: <b>3/</b> PQL	S 025 10/2022 SPK value	R S SPK Ref Val	unNo: 80 eqNo: 30 %REC	PA Method 6391 047898 LowLimit	8015D: Gaso Units: mg/K HighLimit	g		
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB	LCSS 3/8/2022	SampT Batch Analysis D Result 28 2300	n ID: <b>66</b> Date: <b>3/</b> PQL	S 025 10/2022 SPK value 25.00 1000	R S SPK Ref Val 0	unNo: <b>8</b> 6 eqNo: <b>36</b> %REC 114 231	PA Method 6391 047898 LowLimit 78.6 70	8015D: Gaso Units: mg/K HighLimit 131	g %RPD	RPDLimit	Qual
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB	LCSS 3/8/2022 ge Organics (GRO) mb-66025	SampT Batch Analysis D Result 28 2300 SampT	Date: <b>3/</b> Date: <b>3/</b> PQL 5.0	S 10/2022 SPK value 25.00 1000 BLK	R SPK Ref Val 0 Test	unNo: <b>8</b> 6 eqNo: <b>36</b> %REC 114 231	PA Method 5391 047898 LowLimit 78.6 70 PA Method	8015D: Gaso Units: mg/K HighLimit 131 130	g %RPD	RPDLimit	Qual
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID:	LCSS 3/8/2022 ge Organics (GRO) mb-66025 PBS	SampT Batch Analysis D Result 28 2300 SampT	PQL 5.0 7ype: ME 1D: 66	S 025 10/2022 SPK value 25.00 1000 BLK 025	R SPK Ref Val 0 Test	eqNo: 8 %REC 114 231	PA Method 6391 047898 LowLimit 78.6 70 PA Method 6391	8015D: Gaso Units: mg/K HighLimit 131 130	g %RPD line Rang	RPDLimit	Qual
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID: Client ID:	LCSS 3/8/2022 ge Organics (GRO) mb-66025 PBS	SampT Batch Analysis D Result 28 2300 SampT Batch	PQL 5.0 7ype: ME 1D: 66	S 025 10/2022 SPK value 25.00 1000 3LK 025 10/2022	R SPK Ref Val 0 Test	eunNo: 86 eqNo: 36 %REC 114 231 Code: EF cunNo: 86 eqNo: 36	PA Method 6391 047898 LowLimit 78.6 70 PA Method 6391	8015D: Gaso Units: mg/K HighLimit 131 130 8015D: Gaso	g %RPD line Rang	RPDLimit	Qual

### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
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- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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2203354	WO#:
18-Mar-22	

	EOG Federal CM 1									
Sample ID: mb-6602	<b>26</b> San	прТуре: М	BLK	Tes	tCode: EF	PA Method	8021B: Vola	tiles		
Client ID: PBS	Ba	atch ID: 66	026	F	RunNo: 8	6398				
Prep Date: 3/8/202	22 Analysi	s Date: 3	/10/2022	S	SeqNo: 30	047626	Units: mg/k	٢g		
Analyte	Resul	t PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	NE	0.025								
Toluene	NE	0.050								
Ethylbenzene	NE	0.050								
Xylenes, Total	NE	0.10								
Surr: 4-Bromofluoroben	zene 0.98	8	1.000		97.5	70	130			
Sample ID: LCS-660	026 San	npType: <b>L(</b>	s	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Ba	atch ID: 66	026	F	RunNo: <b>8</b>	6398				
Prep Date: 3/8/202	22 Analysi	s Date: 3	/10/2022	S	SeqNo: 3	047627	Units: mg/k	٢g		
Analyte	Resul	t 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		3.000	0	94.7	80	120			
Surr: 4-Bromofluoroben	izene 1.0	)	1.000		102	70	130			
Sample ID: Ics-6602	25 San	npType: <b>LC</b>	cs	Tes	tCode: EF	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Ba	atch ID: 66	025	F	RunNo: <b>8</b>	6391				
Prep Date: 3/8/202	22 Analysi	s Date: 3	/10/2022	S	SeqNo: 3	047952	Units: <b>mg/ł</b>	٢g		
Analyte	Resul	t 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	94.6	80	120			
Surr: 4-Bromofluoroben	zene 0.88	3	1.000		88.1	70	130			
Sample ID: mb-6602	25 San	npType: <b>M</b>	BLK	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: PBS	Ba	atch ID: 66	025	F	RunNo: <b>8</b>	6391				
Prep Date: 3/8/202	22 Analysi	s Date: 3	/10/2022	5	SeqNo: 30	047953	Units: <b>mg/ł</b>	٢g		
Analyte	Resul	t PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	NE	0.025								
Toluene	NE	0.050								
Ethylbenzene	NE	0.050								
Xylenes, Total	NE	0.10								
Surr: 4-Bromofluoroben	zene 0.88	3	1.000		87.7	70	130			

### **Qualifiers:**

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- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- Analyte detected in the associated Method Blank в
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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ANAL	RONMENTA		TEL: 505-345	eental Analysis L 4901 H Albuquerque, -3975 FAX: 505 nts.hallenvironn	wkins NE NM 87109 -345-4107	Sample Log-In Check List				
Client Name:	EOG		Work Order Nu	mber: 2203354	ł		RcptNo: 1			
Received By:	Cheyenne	Cason	3/5/2022 8:55:00	AM	Ches	l				
Completed By:	Cheyenne	Cason	3/5/2022 9:26:41	AM	C la	l L				
Reviewed By:	Che	-	3151zz		Cart					
Chain of Cus	tody				×.					
1. Is Chain of C	ustody comple	te?		Yes 🗸	Ν	o 🗌	Not Present			
2. How was the	sample delive	red?		<u>Courier</u>						
<u>Log In</u>										
3. Was an atten	npt made to co	ol the samples	?	Yes 🗸	N	0				
4. Were all sam	oles received a	at a temperature	e of >0° C to 6.0°C	Yes 🗸	N	o 🗌				
5. Sample(s) in	proper contain	er(s)?		Yes 🗸	N	<b>b</b>				
6. Sufficient sam	ple volume for	indicated test	s)?	Yes 🗸	No					
7. Are samples (	except VOA ar	nd ONG) prope	rly preserved?	Yes 🗸	No					
8. Was preserva	tive added to b	ottles?		Yes	No		NA 🗌			
9. Received at le	ast 1 vial with	headspace <1/	4" for AQ VOA?	Yes 🗌	No		NA 🔽			
10. Were any sar	nple containers	s received brok	en?	Yes	No		# of preserved			
11. Does paperwo (Note discrepa	ork match bottle ancies on chair			Yes 🗸	No		bottles checked for pH: (<2.01 > 12 unless noted)			
12. Are matrices of	orrectly identif	ied on Chain of	Custody?	Yes 🗸	No					
13. Is it clear what	analyses were	e requested?		Yes 🗸	No		100 21-1			
14. Were all holdin (If no, notify cu				Yes 🗸	No		Adjusted? Checked by: KPG. 3/5/2			
Special Handl	ing (if appli	icable)								
15. Was client no	tified of all disc	crepancies with	this order?	Yes 🗌	No	<b>b</b>	NA 🔽			
Person	Notified:	t 1955 Anna a science in sectore and a	Date	):		anaontana.				
By Who	m: j		Via:	eMail	Phone	Fax	In Person			
Regardi	ng:			NEW 200400-00148-00-0014-00-00-00-00-00-00-00-00-00-00-00-00-00		alautere eterner	Land Landard Contractor and Landard Contractor			
Client Ir	structions:			centra de Internante con avecer a la Acad	ann a san a san an ann an ann an an an an an an an an	al on the entrance				
16. Additional rer	narks:									
17. Cooler Inform	nation									
Cooler No	Temp °C		eal Intact Seal No	Seal Date	Signed	Ву				
1	the state of the s		t Present							
2 3	and the second s		t Present							
5	4.0	Bood No	t Present							

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			, <b>OCI</b>	D: 6/	21/2	022	1:2	7:57	' <i>PM</i>																	P	<u>age 1</u>	24 0
	HALL ENVIRONMENTAL	ANALI SIS LABORALORI	www.nallenvironmental.com 4901 Hawkins NF - Albururiariua NM 87100		Anal																				to EOG Artesia			ub-contracted data will be clearly notated on the analytical report
			4901 H	Tel 50			(0Y	W/0				PHoride	/	-											Remarks: Bill to			ity. Any s
												3) XƏT8													Rema			is possibil
Turn-Around Time:	D Standard Rush Scolud		Federal CM #7	Project #: 5375	1	Project Manager: W. Kierdorf			Sampler: 1 No Con Ice: 2 Yes D No	# of Coolers: 3	Cooler Temp(Including CF): See Checklist	Container Preservative HEAL No. Type and # Type	TOL		603	hao	502	cal.	601	00%	600	010	011			zahle ann	2 1-1-	INU I U.U.V.V.V.V.V.V.V.V.V.V.V.V.V.V.V.V.V.V
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	35-1785	email or Fax#: Will@RangerEnv.com		Level 4 (Full Validation)	□ Az Compliance □ Other_	Excel		Matrix Sample Name	Sol WTH-14/0	1 WTH-14/2	3	14-3/14	5th- 5'/4	574-517	574-6/3	1 574-Co/Co	1 544 7/3	1 574-7/c	1/6/75/		Relinquished by:	Willear		samples submitted to Hall Environmental may be sub
Chair	: EOG-A		Address:	r: PO Box	Phone #: 521-335-1785	or Fax#:	QA/QC Package:	Standard	Accreditation:	EDD (Type)		Time	0500	0160	1269	1/22	144	1150	DIU	f.	5	fahl	ordy	143)				
-	Client		Mailing	Range	Phone	email	QA/QC	Sta	Accreditati	ED		Date	3/2/22					_					_	7	Date:	75/121	3 ym	2

	HALL ENVIRONMENTAL	AINALTSIS LABORALORY	www.nailenvironmental.com 4901 Hawkins NF _ Albumiercuio NM 97100	Tel 505-345-3975 Fax 505-345-4107	Anal																Remarks: Bill to EOG Artesia
			4901 H	Tel 50			(੦ਖ਼	W / C	00) אר באכ	วษร	2D(C	3) X31 r08:H9 9binolr	ац )	4-					 		emarks: Bill
Turn-Around Time:	D Standard Mush C No. TH		Fered CM the	Project #: 5375		Project Manager: W. Kierdorf			Sampler: い, Krey On Ice: 習Yes さNo	blers: 3	notuding CF): Sce Check 1.3L	rvative HEAL No.	TVC 413	1 210	50						Hime: Relinquished by: We converted by: Via: Date Time Remarks: Bill to EOG Artesia COD U U U U U U U U U U U U U U U U U U U
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:	EDD (Type) Excel		Date Time Matrix Sample Name	15/2 Soil	c	19-1-12	· + + / ·				Timo.	Date: Itime: Relinquished by: 기식값 당성 W ( Control of

Released to Imaging: 10/28/2022 11:34:53 AM

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Oil Conservation Division

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PP220	18330	578		

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? * <i>The depth to groundwater still</i> 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.	<u>&gt;100'</u> (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 <b>not</b> 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.

### <u>Characterization Report Checklist</u>: 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 <sup>1</sup>/<sub>2</sub>-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.

Received by OCD: 6/21/2	022 1:27:57 PM State of Nev	v Mexico			Page 127 of 128
				Incident ID	nAPP2208339578
Page 4	Oil Conservati	on Division		District RP	
				Facility ID	
				Application ID	
release, the report must in proposed remediation tech The closure criteria for a specific parameters. I hereby certify that the in regulations all operators as public health or the enviro failed to adequately invest	nnique, proposed sampling pl	a plan. That plan mu an and methods, ant e 1 of 19.15.29.12 N complete to the best o ertain release notification that pose a threat to g	st include the e icipated timelin MAC, however f my knowledge a ns and perform c oes not relieve th groundwater, surfa	es for beginning and , use of the table is r and understand that purs orrective actions for rel e operator of liability sh ace water, human health	eases which may endanger nould their operations have n or the environment. In
Printed Name:Chase	e Settle	Title:	Rep Safety &	z Environmental Sr	
Signature: Chase	Settle	Date	e: <u>06/21/202</u>	22	
email: Chase_Settle	@eogresources.com	Telephone: <u>57</u>	5-748-1471		
OCD Only					

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

CONDITIONS

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:	OGRID:
EOG RESOURCES INC	7377
P.O. Box 2267	Action Number:
Midland, TX 79702	119150
	Action Type:
	[C-141] Release Corrective Action (C-141)

Created B	y 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

CONDITIONS

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Action 119150