RANGER
ENVIRONMENTAL SERVICES, INC.

SITE CHARACTERIZATION AND PROPOSED REMEDIATION PLAN

FEDERAL CW-B #2
UNIT J, SECTION 1, TOWNSHIP 19S, RANGE 24E
EDDY COUNTY, NEW MEXICO
32.687274, -104.538560
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

DECEMBER 17, 2021

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

William Kierdorf, REM
Project Manager

TABLE OF CONTENTS

RANGER
ENVIRONMENTAL SERVICES, INC.

SITE CHARACTERIZATION AND PROPOSED REMEDIATION PLAN
FEDERAL CW-B #2
UNIT J, SECTION 1, TOWNSHIP 19S, RANGE 24E
EDDY COUNTY, NEW MEXICO
32.687274, -104.538560
RANGER REFERENCE NO. 5375

1.0 SITE LOCATION AND BACKGROUND

The Federal CW-B #2 (Site) is an active oil and gas well pad/facility located on private land, approximately 13.4 miles southwest of Artesia, within Eddy County, New Mexico. The facility is situated in Unit J, Section 1, T19S-R24E at GPS coordinates 32.687274, -104.538560.

Due to an on-going remediation project at the facility tank battery, the decommissioning and replacement of the tank battery at an alternative location on the well/facility pad is necessary. Prior to the construction of the new tank battery, EOG Resources, Inc. (EOG) engaged Ranger Environmental Services, Inc. (Ranger) to assess the proposed tank battery location to evaluate whether there were any adverse environmental conditions in the proposed location.

On September 10, 2021, Ranger personnel conducted an assessment of the proposed tank battery location. The results of the assessment appeared to indicate that a historic produced water impact had occurred at the location. Based on the assessment results, the area was reported to the New Mexico Oil Conservation Division (NMOCD) on September 28, 2021 (NMOCD Incident # nAPP2127159445).

The following proposed remediation work plan has been prepared to address the soil impacts at the Site. A copy of the previously submitted Form C-141 Release Notification, as well as the Site Assessment/Characterization and Remediation Plan sections of Form C-141, are attached. A Topographic Map and Area Map noting the location of the subject Site and surrounding areas, and a Site Map illustrating the Site features and sampling locations, are provided in the Figures section.

2.0 SITE CHARACTERIZATION

2.1 Depth-to-Groundwater

To determine the depth-to-groundwater in the vicinity of the Site, data available from the U.S. Geological Survey (USGS) and the New Mexico Office of the State Engineer (NMOSE) was reviewed. No water wells were identified within a half-mile of the Site. Based on available information for water wells located outside of the one-half mile radius area, the depth to groundwater is believed to be greater than 100 feet below ground surface (bgs).

Copies of the reviewed depth-to-groundwater information is attached.

2.2 Wellhead Protection Area

Based upon the USGS and NMOSE information, no water wells were identified within a half-mile of the Site.

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

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

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

2.3 Distance to Nearest Significant Watercourse

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

2.4 Sample Results and Closure Criteria

Based upon the Site characterization details, and per NMAC 19.15.29.12, the Site will be remediated to Table 1 19.15.29.12 NMAC (groundwater ≤50 feet) criteria. Additionally, 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. The proposed closure criteria are detailed below:

REGULATORY STANDARD	CHLORIDE	TPH (GRO+DRO +MRO)	BTEX	BENZENE
19.15.29.12 NMAC Table 1 Closure Criteria for Soils Impacted by a Release (GW ≤50') & 19.15.29.13 NMAC Restoration, Reclamation and Re-Vegetation (Soils 0'-4')	600	100	50	10

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

3.0 SITE ASSESSMENT

3.1 September 10, 2021 – Initial Site Assessment

On September 10, 2021, Ranger personnel and representatives for EOG mobilized to the Site to assess the proposed new tank battery location on the well/facility pad. A total of five test excavations/sample points were completed ("P-1" through "P-5") to a maximum depth of approximately four feet bgs.

At the time of the test excavation installation process, Ranger personnel conducted field screening of the generated soils using an organic vapor monitor (OVM) and a field chloride titration kit to

assist in evaluating the soil conditions and/or presence of impacts in the area. Field screening of the encountered soils was conducted at the surface and at one-foot increments to the total test excavation depth.

The test excavations "P-1", "P-3", "P-4" and "P-5" were completed to approximately four feet bgs. Due to the hard rock lithology of the area and limitations of the on-site equipment, test excavation "P-2" was only able to be completed to a maximum depth of approximately two feet bgs. During the test excavation process, this hard rock layer was encountered at all locations at a depth of approximately two feet bgs; however, the on-site equipment was able to sample beyond this interval in the remainder of the site test excavations.

To assess and document conditions in the area, soil samples were collected from the test excavations at the surface, and at one-foot intervals to total depth. A total of 23 soil samples were collected for laboratory analysis. 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.

A site map depicting the test excavation/sample locations is attached.

3.2 Sample Results (September 10, 2021)

Upon review of the soil sample analytical results, samples from four of the five test excavations were documented to contain chloride concentrations in exceedance of the applicable 600 ppm regulatory criteria. All five samples from test excavation "P-1" were documented to contain chloride concentrations in exceedance of the applicable 600 ppm regulatory criteria. In test excavations "P-3", P-4" and "P-5", only the two foot depth interval samples were found to contain chloride concentrations in exceedance of the 600 ppm regulatory criteria thus suggesting that the hard rock layer encountered at two feet may have assisted in limiting downward migration of the produced water impacts.

All BTEX and TPH analytical results for the samples collected during the September 10, 2021, assessment activities were documented to be below the laboratory detection limits.

The soil sample analytical results are summarized in the attached soil analytical table. A copy of the laboratory analytical report is also attached.

3.3 December 8, 2021 – Additional Site Assessment

On December 8, 2021, Ranger personnel and representatives for EOG returned to the site to conduct additional soil assessment/delineation activities. The assessment activates included the installation and sampling of eight additional test excavations (P-6 through P-13). During the installation process, Ranger personnel again conducted field screening of the generated soils using an OVM and field chloride titration kit.

The initial test excavations installed on this date were strategically placed in cardinal directions outward from the initial September 10, 2021 assessment locations. The hard rock layer was again encountered at a depth of approximately two feet bgs. The test excavations were completed to depths where the field readings indicated that the chloride concentrations were within the 600

ppm regulatory criteria. The test excavations were thus installed to a maximum depth of approximately six feet bgs.

Based on elevated field readings observed in two test excavations ("P-7" & "P-9"), additional test excavations (P-13 and P-14) were completed moving outward in the respective cardinal direction to attempt to complete the delineation of the elevated soil chloride concentrations.

Soil samples were collected for laboratory analysis from each of the installed test excavations. A total of 18 soil samples were collected for laboratory analysis and 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.

3.4 Sample Results (December 8, 2021)

Upon review of the soil sample laboratory results for the samples collected on December 8, 2021, the assessment activities were determined to have adequately delineated the horizontal and vertical extent of the elevated soil chloride concentrations. Only two of the 18 samples were documented to contain chloride concentrations in exceedance of the 600 ppm regulatory criteria. All 18 samples were noted to have nondetectable BTEX and TPH concentrations.

4.0 PROPOSED REMEDIATION PLAN

4.1 Soil Excavation and Confirmation Sampling

To address the elevated soil chloride concentrations at the Site, soil excavation is proposed. The soil excavation activities will be completed to boundaries and depths anticipated to be within the applicable regulatory criteria. The initial proposed excavation area is anticipated to have maximum dimensions of approximately 61 feet long by 60 feet wide and will be completed to a maximum depth approximately six feet bgs. A site map depicting the proposed excavation areas is attached.

During the remedial excavation activities, Ranger personnel will utilize an OVM and field chloride titration kit to guide the excavation process and determine when all affected soils appear to have been removed. Based on the field readings, the excavation boundaries will be adjusted as necessary. At such point in time that the field screening activities indicate that all affected soils appear to have been removed, cleanup confirmation soil samples will be collected for laboratory analysis. The samples will be collected in accordance with NMAC 19.15.29.12(D), as five-part composite samples with each sample representing no more than 200 square feet. The sample parts will be collected from various locations and depths along the excavation side walls and base. Upon collection, the composite sample parts will be placed into a new Ziplock® bag, thoroughly mixed, and a sample for laboratory analysis will be collected from the mixture.

Based on the cleanup confirmation soil sample results, if any area is found to remain in exceedance of the applicable regulatory criteria, the area will be further over excavated and additional cleanup confirmation soil samples will be collected in accordance with NMAC 19.15.29.12(D), as five-part composite samples with each sample representing no more than 200 square feet.

The cleanup confirmation soil samples will be collected using standard QA/QC procedures, placed into laboratory-supplied containers, and will be immediately placed into a sample shuttle containing ice. The samples will be transported to an approved laboratory for analysis of TPH using EPA Method 8015; BTEX using EPA Method 8021; and, total chloride using EPA Method 300.

Based on the proposed excavation boundaries and depths, it is anticipated that approximately 440 cubic yards of material will be generated during the site remediation process. The excavated material will be transported off-site for disposal at an approved disposal facility.

4.2 Site Backfill and Reclamation

Upon attainment of the 19.15.29.13 NMAC Reclamation Criteria and Restoration Criteria, the excavated area will be backfilled with clean fill material. Since the excavated area is planned to be utilized for the new tank battery location, the backfill will be comprised of caliche material to prepare the area for the new tank battery.

4.5 Remediation Schedule

Upon approval of the proposed remediation plan, all field activities will be scheduled as soon as reasonably possible. It is anticipated that the soil removal operations and cleanup confirmation soil sampling activities will be completed within 120 days of initiation.

Appropriate notification to the NMOCD will be provided prior to the performance of the cleanup confirmation soil sampling activities.

5.0 SITE CLOSURE

Upon completion of the remedial and backfilling activities at the Site, a C-141 Closure Report will be submitted to the NMOCD, and site closure will be requested. The Closure Report will be completed in accordance with the closure reporting criteria detailed in NMAC 19.15.29.12(E).

FORM C-141

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

Incident ID	nAPP2127159445
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 # *(assigned by OCD)* nAPP2127159445
Contact mailing address 104 S. 4th Street, Artesia, NM 88210	

Location of Release Source

Latitude 32.68751 Longitude -104.53837
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Federal CW-B #2	Site Type Well Pad
Date Release Discovered 9/21/2021	API# *(if applicable)* 30-015-23216

Unit Letter	Section	Township	Range	County
J	1	19S	24E	Eddy

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

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☑ Produced Water	Volume Released (bbls) Unknown	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☑ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: Historical impacts reported by the surface owner. The environmental consultant contracted to investigate the area determined on 9/21/21 based on the impacted area footprint that the release more than likely breached the reportable volume threshold.

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2127159445
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☑ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

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

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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

Printed Name: Chase Settle
Title: Rep Safety & Environmental Sr
Signature: Chase Settle
Date: 9/28/21
email: Chase_Settle@eogresources.com
Telephone: 575-748-1471

OCD Only

Received by: Ramona Marcus
Date: 10/01/2021

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	_____ (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☐ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☐ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☐ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☐ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☐ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☐ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☐ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☐ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☐ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☐ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☐ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☐ No

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

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

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

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

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature:_____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

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

☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.

☐ Extents of contamination must be fully delineated.

☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

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

☐ Description of remediation activities

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Operator:	OGRID:
EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	7377
	Action Number: 52545
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rmarcus	None	10/1/2021

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2127159445
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?	>100’ (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

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

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

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

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.

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2127159445
District RP	
Facility ID	
Application ID	

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

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

Signature: Chase Settle Date: 12/20/2021

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

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2127159445
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

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

☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.

☐ Extents of contamination must be fully delineated.

☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

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

Signature: Chase Settle Date: 12/20/2021

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

OCD Only

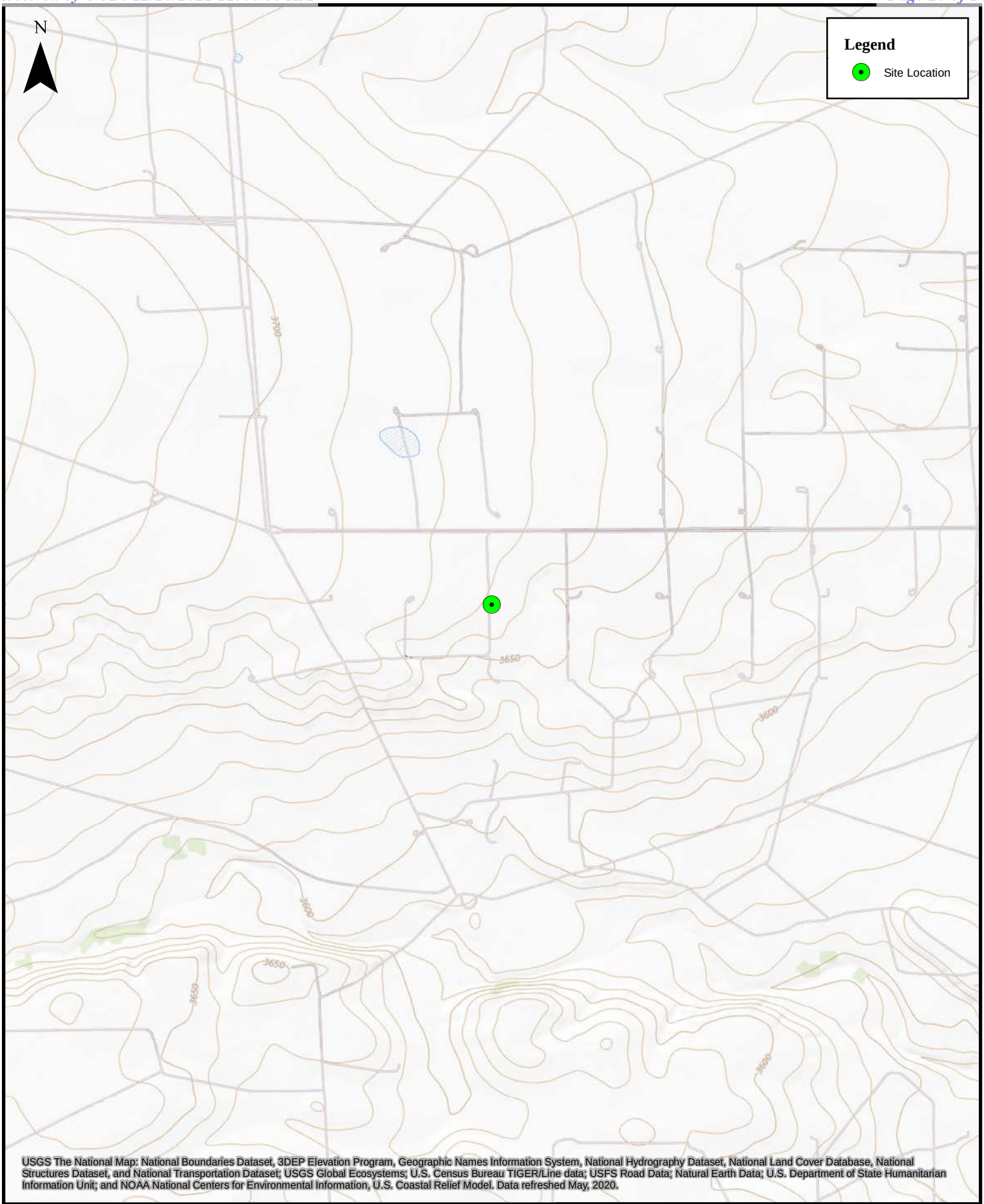
Received by: _____ Date: _____

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

Signature: Jennifer Nobui Date: 01/31/2022

FIGURES

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



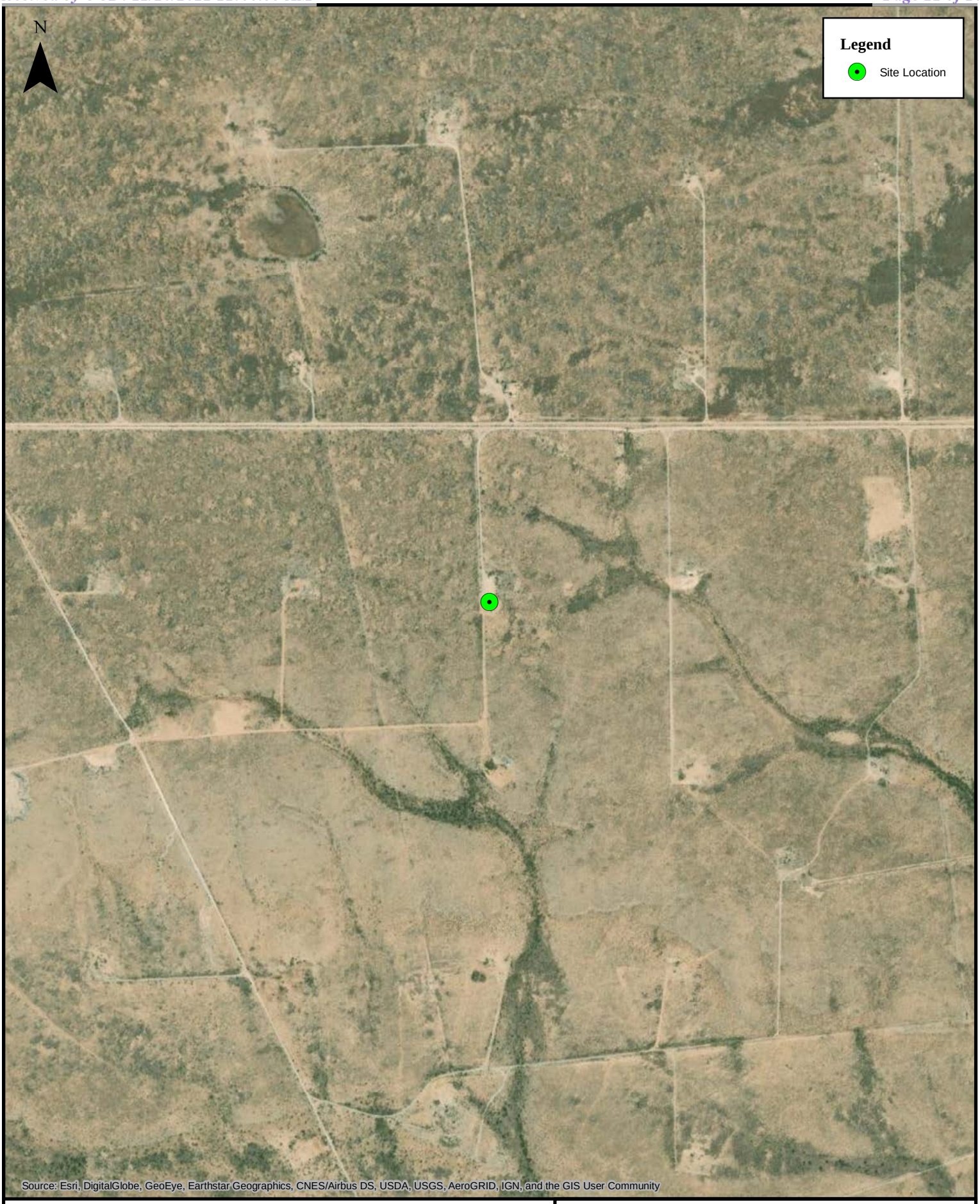
USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS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

RANGER ENVIRONMENTAL SERVICES, INC.

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

1:24,000

Topographic Map
Federal CW-B #2
EOG Resources, Inc.

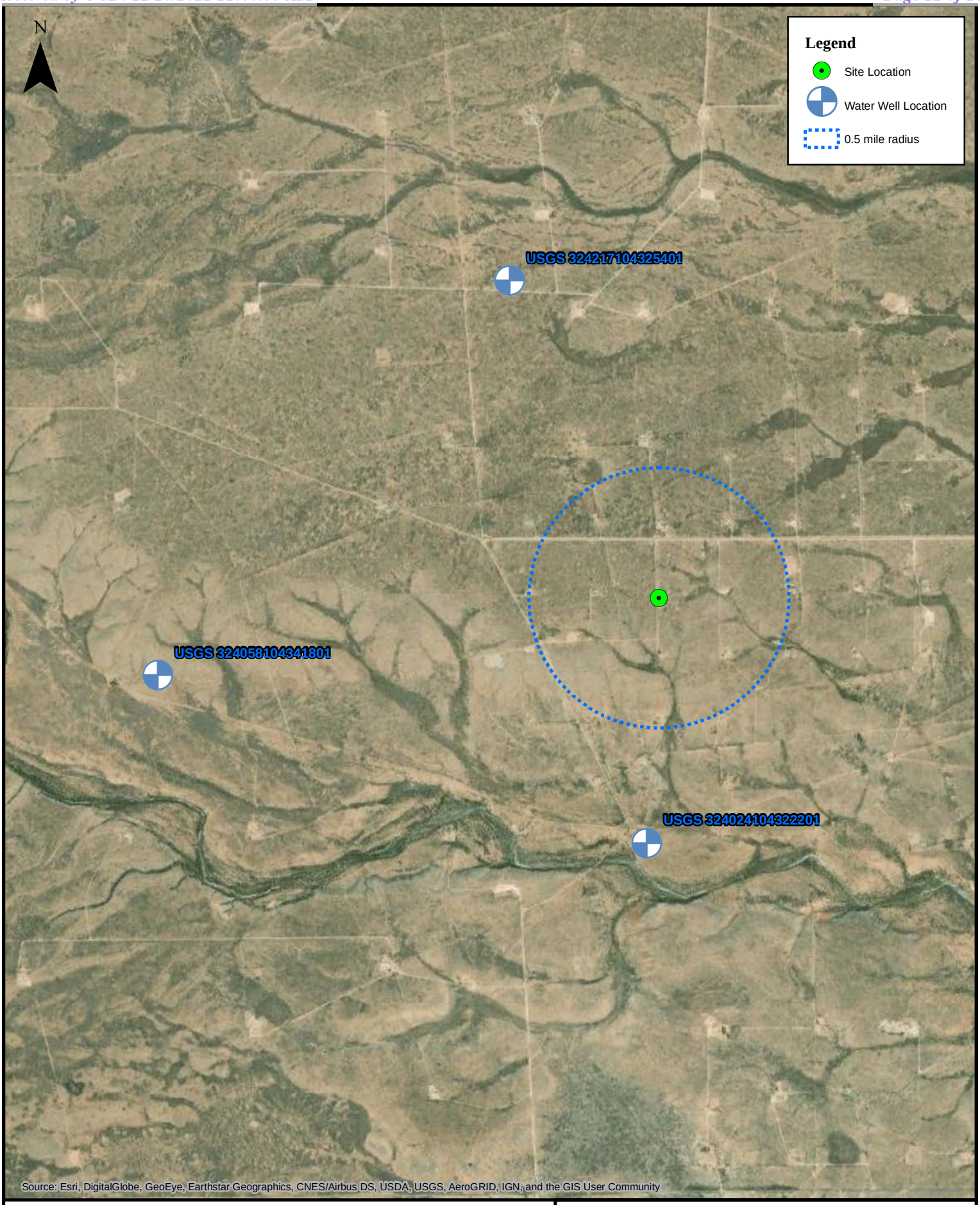


RANGER ENVIRONMENTAL SERVICES, INC.

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

1:10,000

Area Map
Federal CW-B #2
EOG Resources, Inc.

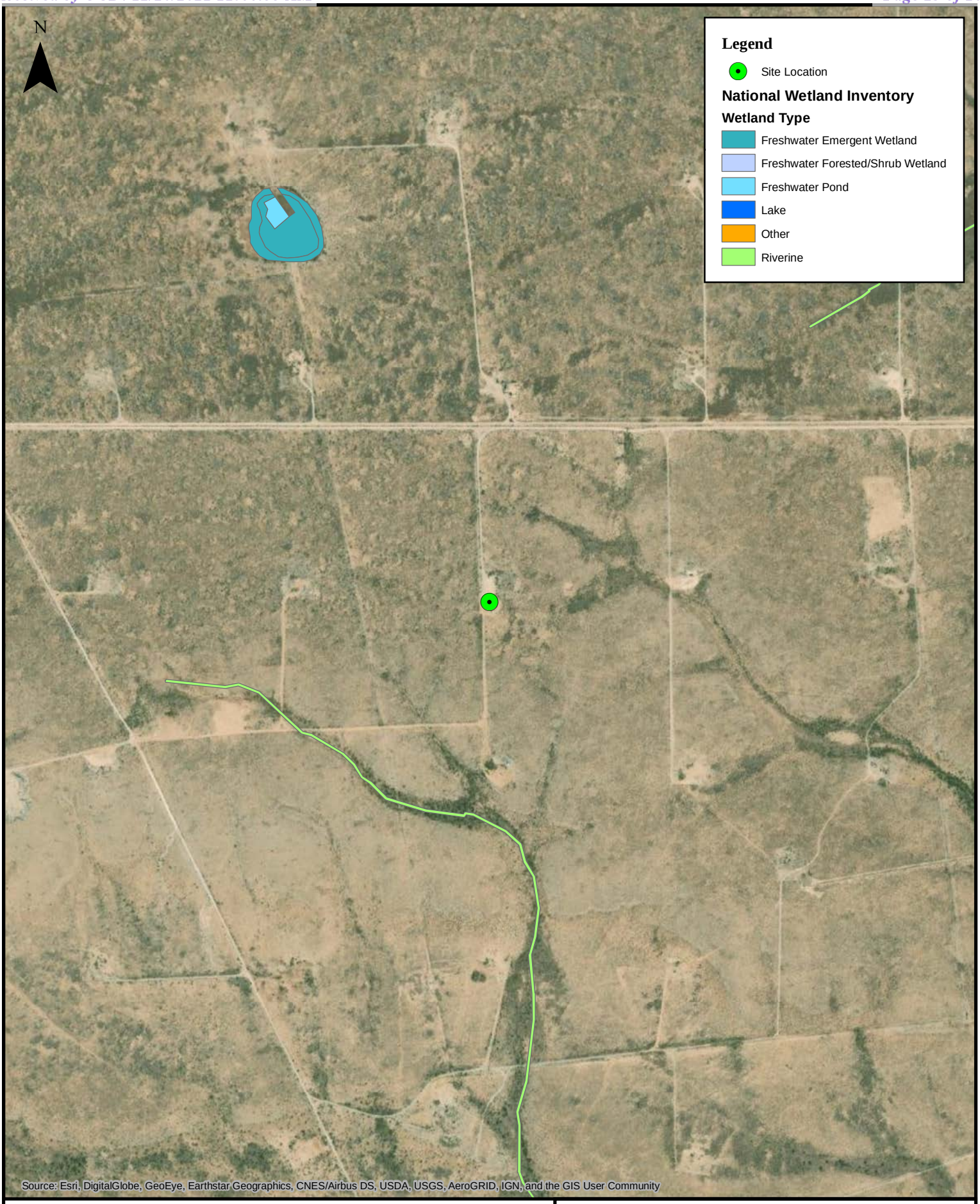


RANGER ENVIRONMENTAL SERVICES, INC.

0 750 1,500 3,000 4,500 6,000 Feet

1:30,000

Water Well Location Map
Federal CW-B #2
EOG Resources, Inc.

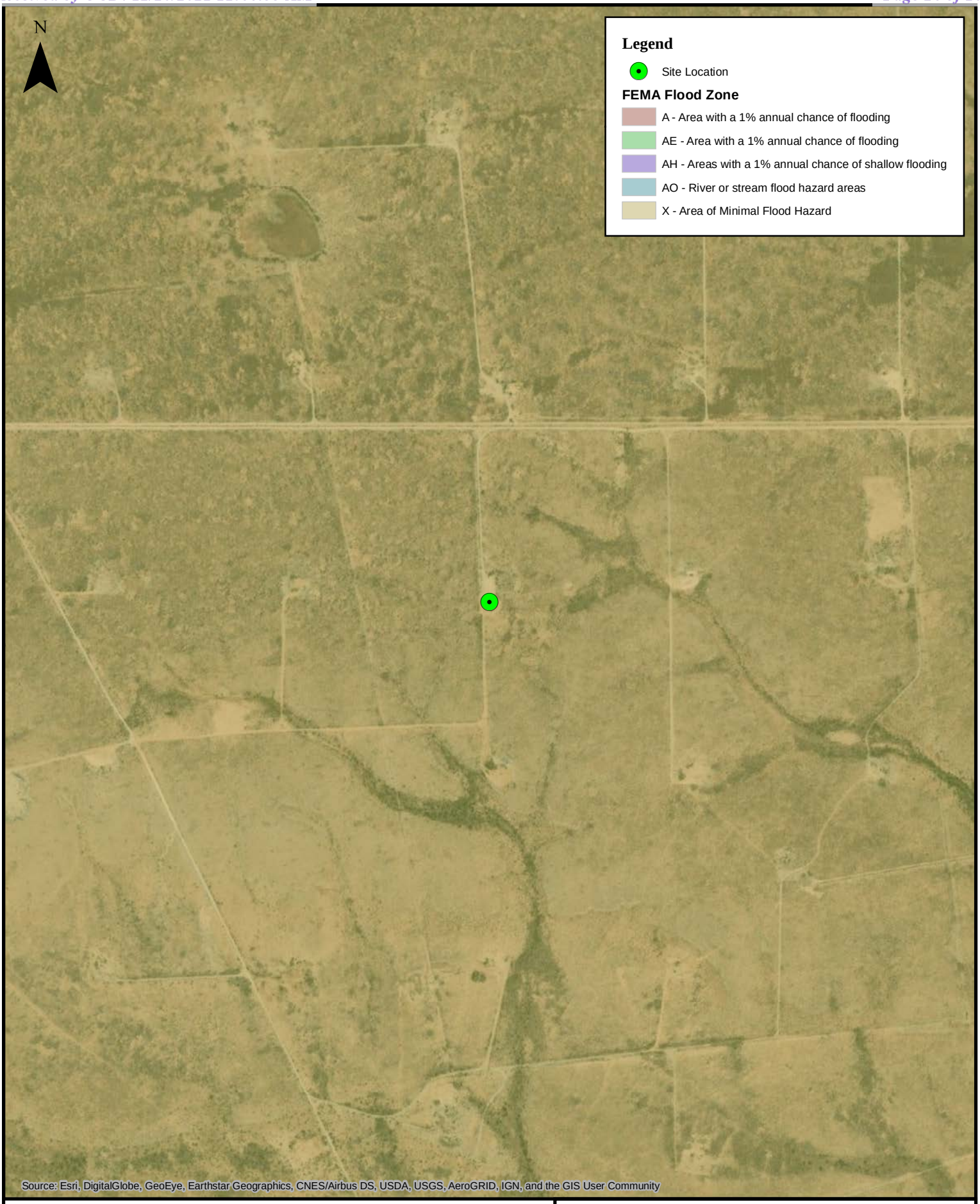


RANGER ENVIRONMENTAL SERVICES, INC.

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

1:10,000

National Wetland Inventory Map
Federal CW-B #2
EOG Resources, Inc.

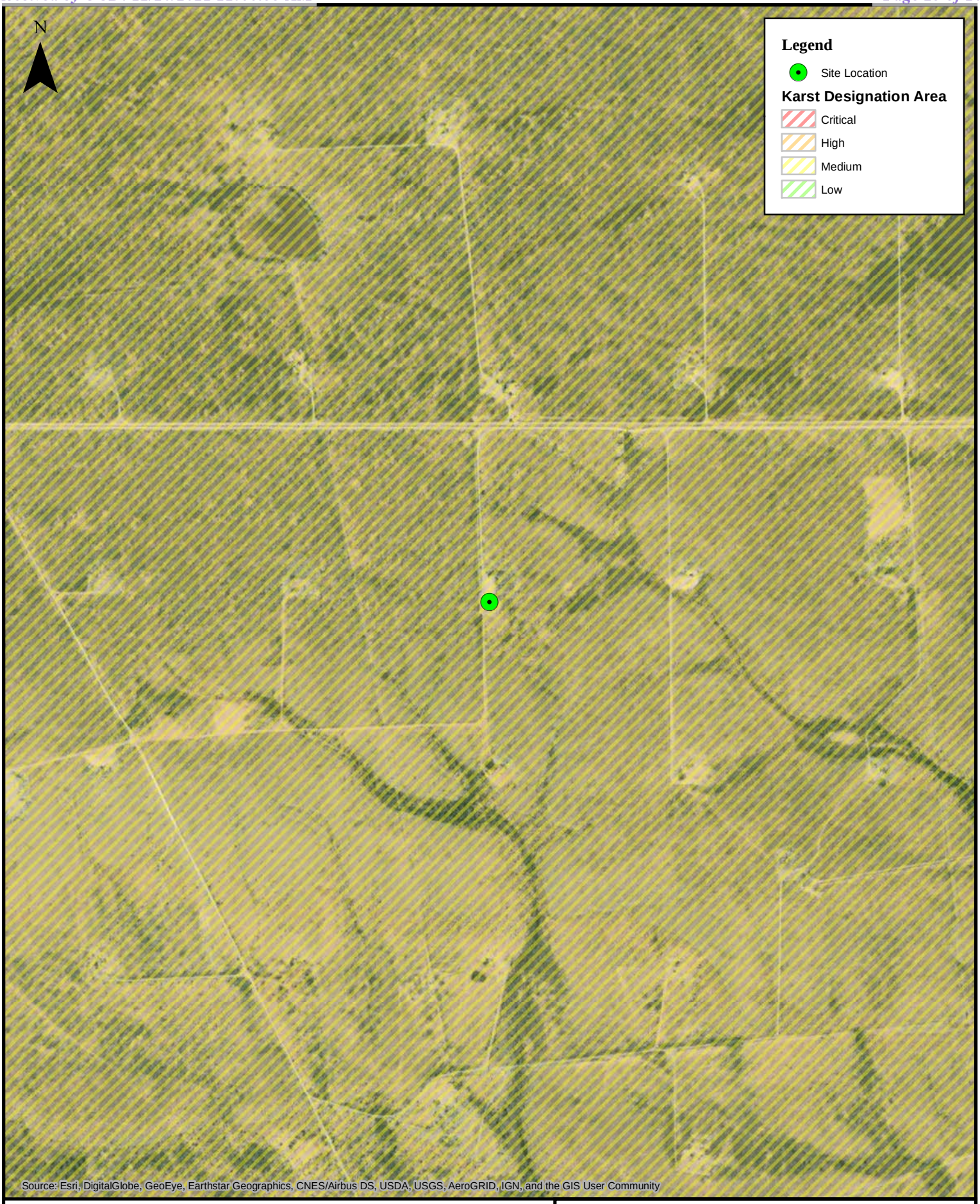


RANGER ENVIRONMENTAL SERVICES, INC.

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

1:10,000

FEMA Floodplain Map
Federal CW-B #2
EOG Resources, Inc.



RANGER ENVIRONMENTAL SERVICES, INC.

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

1:10,000

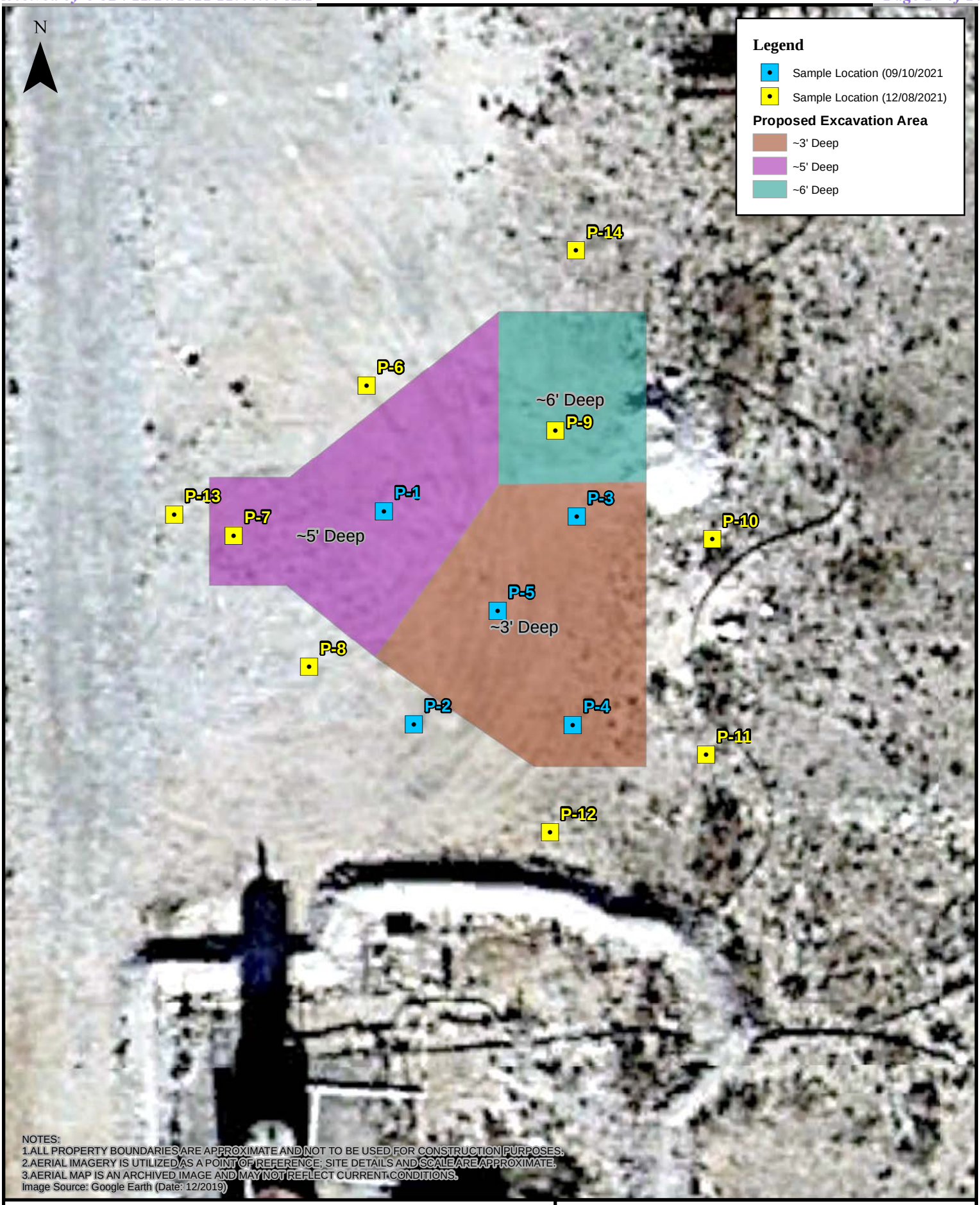
Karst Topography Map
Federal CW-B #2
EOG Resources, Inc.

RANGER ENVIRONMENTAL SERVICES, INC.

0 5 10 20 30 40 Feet

1:200

Assessment Sample Location Map
Federal CW-B #2
EOG Resources, Inc.



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

RANGER ENVIRONMENTAL SERVICES, INC.

0 5 10 20 30 40 Feet

1:200

Proposed Excavation Map
Federal CW-B #2
EOG Resources, Inc.

TABLES

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

SOIL BTEX (EPA 8021), TPH (SW 8015) & CHLORIDE (EPA 300) ANALYTICAL DATA
EOG RESOURCES, INC.
FEDERAL CW-B #2

All values presented in parts per million (mg/Kg)

SAMPLE ID	DATE	DEPTH (FT)	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C6-C10	TPH DRO C10-C28	TPH MRO C28-C36	TPH (GRO+DRO)	TPH (GRO+DRO+ MRO)	CHLORIDE
September 10, 2021 Soil Samples													
P-1/0'	9/10/2021	0'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<9.7	<49	<9.7	<49	**690**
P-1/1'	9/10/2021	1'	<0.023	<0.046	<0.046	<0.093	<0.09	<4.6	<9.6	<48	<9.6	<48	**1,100**
P-1/2'	9/10/2021	2'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<9.5	<48	<9.5	<48	**890**
P-1/3'	9/10/2021	3'	<0.024	<0.047	<0.047	<0.094	<0.09	<4.7	<9.8	<49	<9.8	<49	**1,100**
P-1/4'	9/10/2021	4'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<8.9	<45	<8.9	<45	**610**
P-2/0'	9/10/2021	0'	<0.023	<0.046	<0.046	<0.093	<0.09	<4.6	<9.7	<48	<9.7	<48	<60
P-2/1'	9/10/2021	1'	<0.023	<0.047	<0.047	<0.094	<0.09	<4.7	<9.7	<48	<9.7	<48	100
P-2/2'	9/10/2021	2'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.6	<48	<9.6	<48	250
P-3/0'	9/10/2021	0'	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	<9.0	<45	<9.0	<45	150
P-3/1'	9/10/2021	1'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	<9.9	<49	<9.9	<49	560
P-3/2'	9/10/2021	2'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.3	<46	<9.3	<46	**730**
P-3/3'	9/10/2021	3'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<10	<50	<10	<50	440
P-3/4'	9/10/2021	4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<10	<50	<10	<50	450
P-4/0'	9/10/2021	0'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	<9.7	<48	<9.7	<48	<61
P-4/1'	9/10/2021	1'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.3	<46	<9.3	<46	300
P-4/2'	9/10/2021	2'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.9	<50	<9.9	<50	**1,000**
P-4/3'	9/10/2021	3'	<0.023	<0.047	<0.047	<0.093	<0.09	<4.7	<9.6	<48	<9.6	<48	500
P-4/4'	9/10/2021	4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<10	<50	<10	<50	450
P-5/0'	9/10/2021	0'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.4	<47	<9.4	<47	300
P-5/1'	9/10/2021	1'	<0.023	<0.046	<0.046	<0.092	<0.09	<4.6	<9.5	<48	<9.5	<48	410
P-5/2'	9/10/2021	2'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<8.4	<42	<8.4	<42	**700**
P-5/3'	9/10/2021	3'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.7	<49	<9.7	<49	490
P-5/4'	9/10/2021	4'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.8	<49	<9.8	<49	470
December 8, 2021 Soil Samples													
P-6/0	12/8/2021	0'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.7	<48	<9.7	<48	280
P-6/2	12/8/2021	2'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.4	<47	<9.4	<47	430
P-7/3	12/8/2021	3'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.0	<45	<9.0	<45	**830**
P-7/5	12/8/2021	5'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<10	<50	<10	<50	340
P-8/0	12/8/2021	0'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.7	<49	<9.7	<49	<60
P-8/2	12/8/2021	2'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<9.7	<48	<9.7	<48	180
P-9/1	12/8/2021	1'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<9.7	<49	<9.7	<49	**1,500**
P-9/6	12/8/2021	6'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<9.7	<48	<9.7	<48	410
P-10/0	12/8/2021	0'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.5	<47	<9.5	<47	<60
P-10/2	12/8/2021	2'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.6	<48	<9.6	<48	<60
P-11/0	12/8/2021	0'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.8	<49	<9.8	<49	<60
P-11/2	12/8/2021	2'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.5	<48	<9.5	<48	<60
P-12/0	12/8/2021	0'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	15	53	15	68	240
P-12/2	12/8/2021	2'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<9.9	<50	<9.9	<50	120
P-13/0	12/8/2021	0'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.9	<50	<9.9	<50	<61
P-13/2	12/8/2021	2'	<0.024	<0.047	<0.047	<0.095	<0.10	<4.7	<9.6	<48	<9.6	<48	89
P-14/0	12/8/2021	0'	<0.023	<0.046	<0.046	<0.092	<0.10	<4.6	<9.6	<48	<9.6	<48	<60
P-14/2	12/8/2021	2'	<0.024	<0.047	<0.047	<0.094	<0.10	<4.7	<9.8	<49	<9.8	<49	<60
19.15.29.12 NMAC Table 1 Closure Criteria for Soils Impacted by a Release (GW ≤ 50')			**10**	**---**	**---**	**---**	**50**	**---**	**---**	**---**	**---**	**100**	**600**
19.15.29.13 NMAC Reclamation Criteria (0'-4' Soils Only)			**10[3]**	**---**	**---**	**---**	**50[3]**	**---**	**---**	**---**	**---**	**100[3]**	**600**

Notes:

1. Results exceeding the Table 1 Closure Criteria are presented in bold type and are highlighted yellow.

2. Results exceeding the NMAC Restoration, Reclamation and re-vegetation chloride concentration requirements are presented in bold red type.

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

ATTACHMENT 1 – DEPTH-TO-GROUNDWATER DATA

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: United States | GO

Click to hideNews Bulletins

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

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

site_no list =

- 324024104322201

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

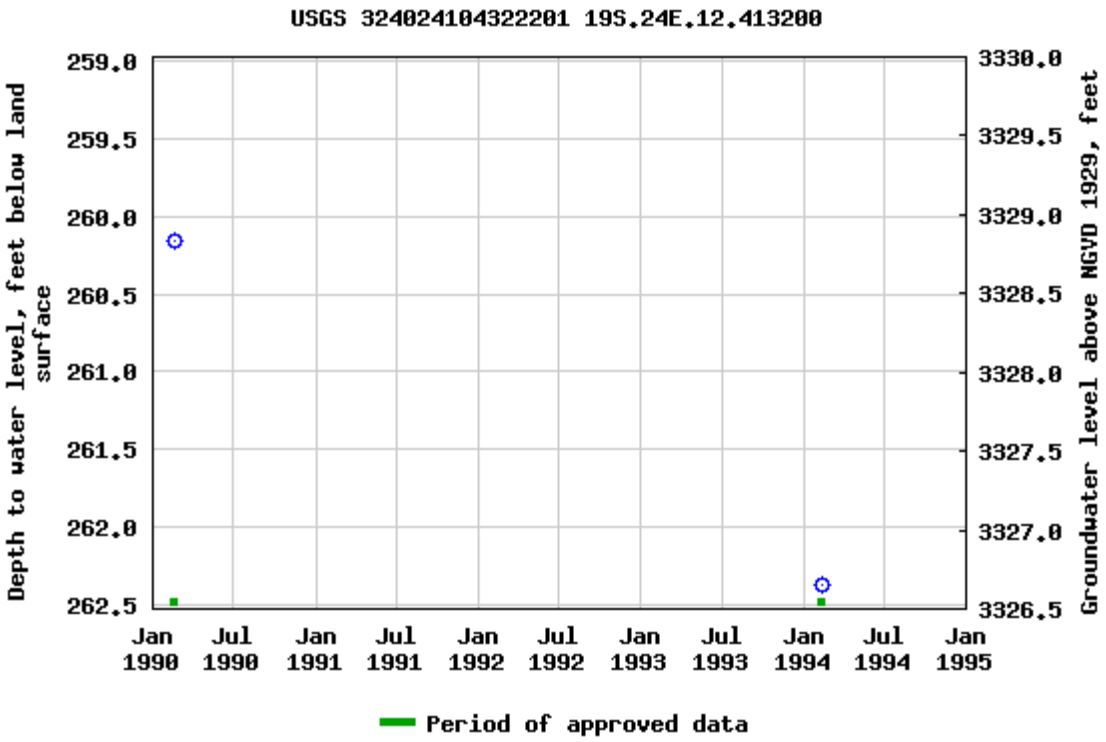
USGS 324024104322201 19S.24E.12.413200

Available data for this site | Groundwater: Field measurements | GO

Eddy County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°40'24", Longitude 104°32'22" NAD27
Land-surface elevation 3,589 feet above NGVD29
This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.
This well is completed in the Artesia Group (313ARTS) local aquifer.

Output formats

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



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

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

Title: Groundwater for USA: Water Levels
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2021-12-08 16:58:19 EST
0.57 0.52 nadww01

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: United States | GO

Click to hideNews Bulletins

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

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

site_no list =

- 324058104341801

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

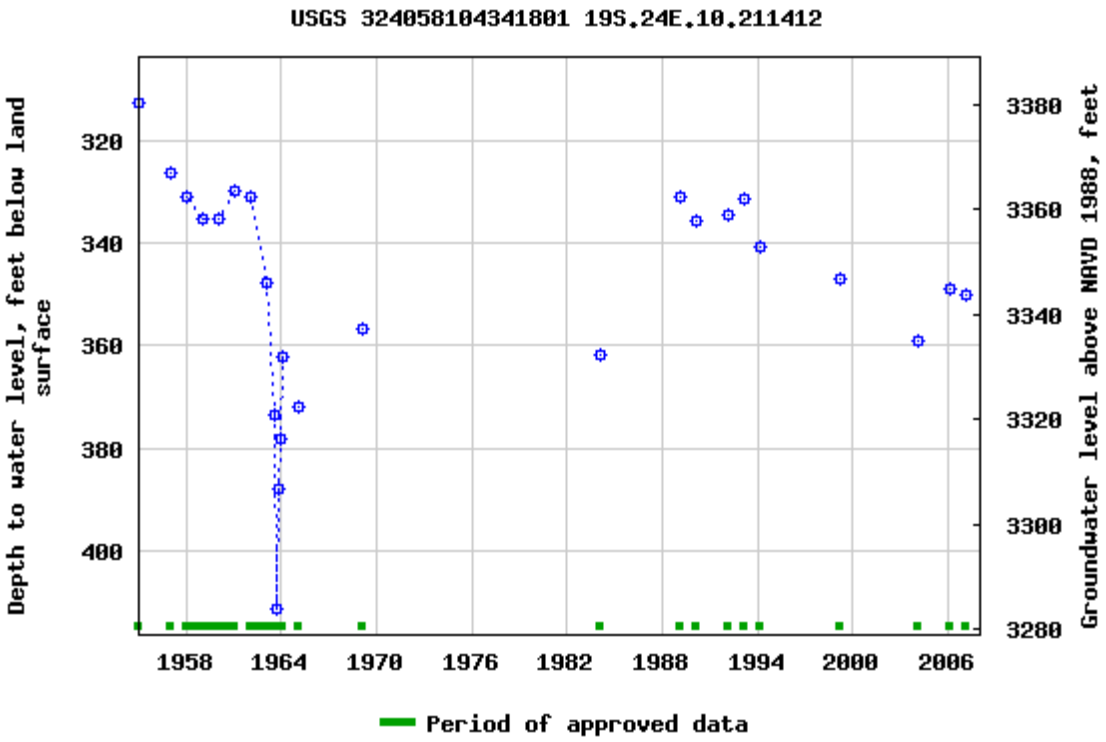
USGS 324058104341801 19S.24E.10.211412

Available data for this site | Groundwater: Field measurements | GO

Eddy County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°40'58", Longitude 104°34'18" NAD27
Land-surface elevation 3,694 feet above NAVD88
The depth of the well is 440 feet below land surface.
This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.
This well is completed in the Artesia Group (313ARTS) local aquifer.

Output formats

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



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

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

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: United States | GO

Click to hideNews Bulletins

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

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

site_no list =

- 324217104325401

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

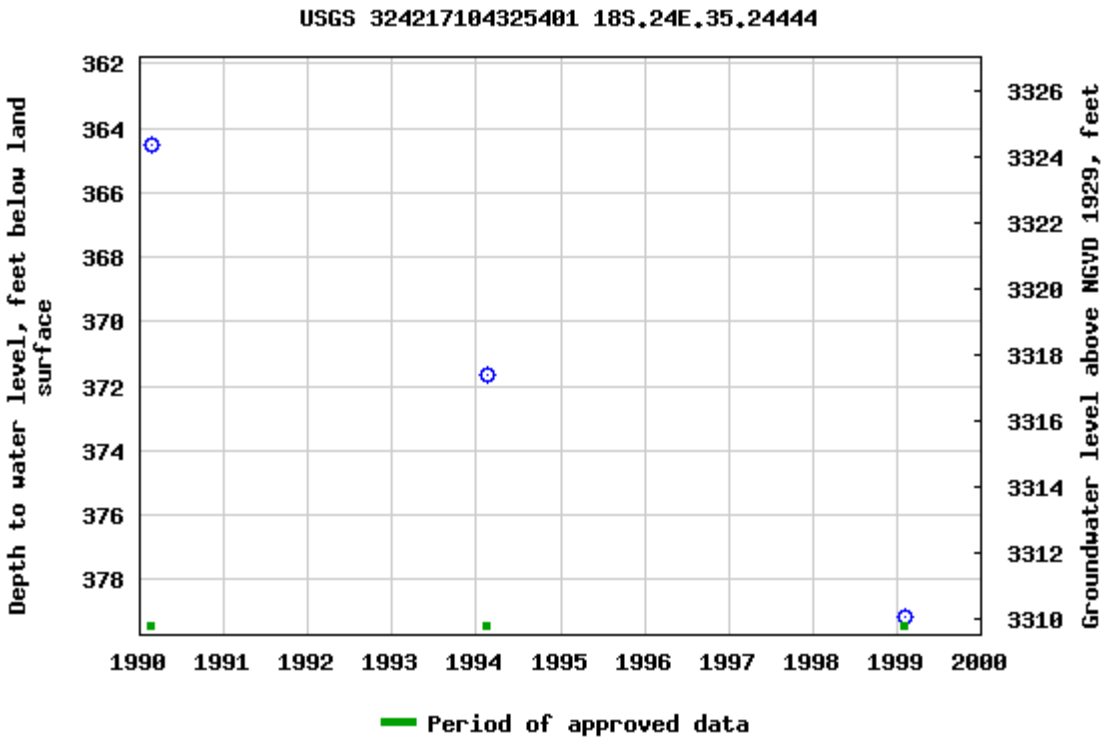
USGS 324217104325401 18S.24E.35.24444

Available data for this site | Groundwater: Field measurements | GO

Eddy County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°42'17", Longitude 104°32'54" NAD27
Land-surface elevation 3,689 feet above NGVD29
The depth of the well is 450.00 feet below land surface.
This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.
This well is completed in the Artesia Group (313ARTS) local aquifer.

Output formats

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



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

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

ATTACHMENT 2 – PHOTOGRAPHIC DOCUMENTATION

PHOTOGRAPH NO. 1 – A view of the subject area prior to completion of the September 10, 2021 assessment activities. The view is towards the southwest.
(Approximate GPS: 32.687293, -104.538473)

PHOTOGRAPH NO. 2 – A view of the September 10, 2021 assessment activities in the vicinity of "TH-3". The view is towards the southeast.
(Approximate GPS: 32.687313, -104.538607)

PHOTOGRAPH NO. 3 – A general view of a test excavation completed at the Site on December 8, 2021.

PHOTOGRAPH NO. 4 – A view of the December 8, 2021 assessment activities in the vicinity of "TH-8". The view is towards the south.

(Approximate GPS: 32.687285, -104.538672)

ATTACHMENT 3 – LABORATORY ANALYTICAL REPORTS

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

September 21, 2021

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

RE: Federal CW B Battery OrderNo.: 2109588

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 23 sample(s) on 9/11/2021 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2109588**
Date Reported: **9/21/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: P-1/0'
Project: Federal CW B Battery
Collection Date: 9/10/2021 7:38:00 AM
Lab ID: 2109588-001 **Matrix:** SOIL **Received Date:** 9/11/2021 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	690	60		mg/Kg	20	9/17/2021 3:56:00 PM	62637
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	9/14/2021 2:29:57 PM	62547
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/14/2021 2:29:57 PM	62547
Surr: DNOP	98.7	70-130		%Rec	1	9/14/2021 2:29:57 PM	62547
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/14/2021 3:23:00 PM	62543
Surr: BFB	102	70-130		%Rec	1	9/14/2021 3:23:00 PM	62543
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.024		mg/Kg	1	9/14/2021 3:23:00 PM	62543
Toluene	ND	0.049		mg/Kg	1	9/14/2021 3:23:00 PM	62543
Ethylbenzene	ND	0.049		mg/Kg	1	9/14/2021 3:23:00 PM	62543
Xylenes, Total	ND	0.098		mg/Kg	1	9/14/2021 3:23:00 PM	62543
Surr: 4-Bromofluorobenzene	87.9	70-130		%Rec	1	9/14/2021 3:23:00 PM	62543

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

Qualifiers:

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

Analytical Report
Lab Order **2109588**
Date Reported: **9/21/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: P-1/1'
Project: Federal CW B Battery
Collection Date: 9/10/2021 7:39:00 AM
Lab ID: 2109588-002 **Matrix:** SOIL **Received Date:** 9/11/2021 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	1100	61		mg/Kg	20	9/17/2021 4:08:25 PM	62637
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	9/14/2021 2:54:39 PM	62547
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/14/2021 2:54:39 PM	62547
Surr: DNOP	103	70-130		%Rec	1	9/14/2021 2:54:39 PM	62547
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	9/14/2021 3:43:00 PM	62543
Surr: BFB	97.4	70-130		%Rec	1	9/14/2021 3:43:00 PM	62543
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.023		mg/Kg	1	9/14/2021 3:43:00 PM	62543
Toluene	ND	0.046		mg/Kg	1	9/14/2021 3:43:00 PM	62543
Ethylbenzene	ND	0.046		mg/Kg	1	9/14/2021 3:43:00 PM	62543
Xylenes, Total	ND	0.093		mg/Kg	1	9/14/2021 3:43:00 PM	62543
Surr: 4-Bromofluorobenzene	84.3	70-130		%Rec	1	9/14/2021 3:43:00 PM	62543

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

Qualifiers:

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

Analytical Report
Lab Order **2109588**
Date Reported: **9/21/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: P-1/2'
Project: Federal CW B Battery
Collection Date: 9/10/2021 7:41:00 AM
Lab ID: 2109588-003 **Matrix:** SOIL **Received Date:** 9/11/2021 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	890	60		mg/Kg	20	9/17/2021 11:35:21 AM	62652
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	9/14/2021 3:19:03 PM	62547
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/14/2021 3:19:03 PM	62547
Surr: DNOP	91.7	70-130		%Rec	1	9/14/2021 3:19:03 PM	62547
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/14/2021 4:03:00 PM	62543
Surr: BFB	102	70-130		%Rec	1	9/14/2021 4:03:00 PM	62543
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.025		mg/Kg	1	9/14/2021 4:03:00 PM	62543
Toluene	ND	0.049		mg/Kg	1	9/14/2021 4:03:00 PM	62543
Ethylbenzene	ND	0.049		mg/Kg	1	9/14/2021 4:03:00 PM	62543
Xylenes, Total	ND	0.098		mg/Kg	1	9/14/2021 4:03:00 PM	62543
Surr: 4-Bromofluorobenzene	86.3	70-130		%Rec	1	9/14/2021 4:03:00 PM	62543

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

Qualifiers:

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

Analytical Report
Lab Order **2109588**
Date Reported: **9/21/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: P-1/3'
Project: Federal CW B Battery
Collection Date: 9/10/2021 7:42:00 AM
Lab ID: 2109588-004 **Matrix:** SOIL **Received Date:** 9/11/2021 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	1100	59		mg/Kg	20	9/17/2021 12:37:25 PM	62652
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	9/14/2021 3:43:39 PM	62547
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/14/2021 3:43:39 PM	62547
Surr: DNOP	98.6	70-130		%Rec	1	9/14/2021 3:43:39 PM	62547
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	9/14/2021 4:22:00 PM	62543
Surr: BFB	101	70-130		%Rec	1	9/14/2021 4:22:00 PM	62543
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.024		mg/Kg	1	9/14/2021 4:22:00 PM	62543
Toluene	ND	0.047		mg/Kg	1	9/14/2021 4:22:00 PM	62543
Ethylbenzene	ND	0.047		mg/Kg	1	9/14/2021 4:22:00 PM	62543
Xylenes, Total	ND	0.094		mg/Kg	1	9/14/2021 4:22:00 PM	62543
Surr: 4-Bromofluorobenzene	86.3	70-130		%Rec	1	9/14/2021 4:22:00 PM	62543

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

Qualifiers:

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

Analytical Report
Lab Order **2109588**
Date Reported: **9/21/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** P-1/4'
Project: Federal CW B Battery **Collection Date:** 9/10/2021 7:45:00 AM
Lab ID: 2109588-005 **Matrix:** SOIL **Received Date:** 9/11/2021 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**VP**
Chloride	610	60		mg/Kg	20	9/17/2021 1:14:38 PM	62652
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**SB**
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	9/14/2021 4:07:59 PM	62547
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	9/14/2021 4:07:59 PM	62547
Surr: DNOP	99.0	70-130		%Rec	1	9/14/2021 4:07:59 PM	62547
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**mb**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/14/2021 4:42:00 PM	62543
Surr: BFB	102	70-130		%Rec	1	9/14/2021 4:42:00 PM	62543
EPA METHOD 8021B: VOLATILES						Analyst:	**mb**
Benzene	ND	0.024		mg/Kg	1	9/14/2021 4:42:00 PM	62543
Toluene	ND	0.049		mg/Kg	1	9/14/2021 4:42:00 PM	62543
Ethylbenzene	ND	0.049		mg/Kg	1	9/14/2021 4:42:00 PM	62543
Xylenes, Total	ND	0.098		mg/Kg	1	9/14/2021 4:42:00 PM	62543
Surr: 4-Bromofluorobenzene	85.7	70-130		%Rec	1	9/14/2021 4:42:00 PM	62543

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

Qualifiers:

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

Analytical Report
Lab Order **2109588**
Date Reported: **9/21/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** P-2/0'
Project: Federal CW B Battery **Collection Date:** 9/10/2021 7:58:00 AM
Lab ID: 2109588-006 **Matrix:** SOIL **Received Date:** 9/11/2021 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	ND	60		mg/Kg	20	9/17/2021 1:27:03 PM	62652
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	9/14/2021 4:32:28 PM	62547
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/14/2021 4:32:28 PM	62547
Surr: DNOP	103	70-130		%Rec	1	9/14/2021 4:32:28 PM	62547
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	9/14/2021 5:02:00 PM	62543
Surr: BFB	101	70-130		%Rec	1	9/14/2021 5:02:00 PM	62543
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.023		mg/Kg	1	9/14/2021 5:02:00 PM	62543
Toluene	ND	0.046		mg/Kg	1	9/14/2021 5:02:00 PM	62543
Ethylbenzene	ND	0.046		mg/Kg	1	9/14/2021 5:02:00 PM	62543
Xylenes, Total	ND	0.093		mg/Kg	1	9/14/2021 5:02:00 PM	62543
Surr: 4-Bromofluorobenzene	85.7	70-130		%Rec	1	9/14/2021 5:02:00 PM	62543

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

Qualifiers:

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

Analytical Report
Lab Order **2109588**
Date Reported: **9/21/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: P-2/1'
Project: Federal CW B Battery
Collection Date: 9/10/2021 7:59:00 AM
Lab ID: 2109588-007 **Matrix:** SOIL **Received Date:** 9/11/2021 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	100	60		mg/Kg	20	9/17/2021 1:39:27 PM	62652
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	9/14/2021 4:56:57 PM	62547
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/14/2021 4:56:57 PM	62547
Surr: DNOP	106	70-130		%Rec	1	9/14/2021 4:56:57 PM	62547
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	9/14/2021 5:22:00 PM	62543
Surr: BFB	102	70-130		%Rec	1	9/14/2021 5:22:00 PM	62543
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.023		mg/Kg	1	9/14/2021 5:22:00 PM	62543
Toluene	ND	0.047		mg/Kg	1	9/14/2021 5:22:00 PM	62543
Ethylbenzene	ND	0.047		mg/Kg	1	9/14/2021 5:22:00 PM	62543
Xylenes, Total	ND	0.094		mg/Kg	1	9/14/2021 5:22:00 PM	62543
Surr: 4-Bromofluorobenzene	85.7	70-130		%Rec	1	9/14/2021 5:22:00 PM	62543

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

Qualifiers:

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

Analytical Report
Lab Order **2109588**
Date Reported: **9/21/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: P-2/2'
Project: Federal CW B Battery
Collection Date: 9/10/2021 8:03:00 AM
Lab ID: 2109588-008 **Matrix:** SOIL **Received Date:** 9/11/2021 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	250	60		mg/Kg	20	9/17/2021 1:51:52 PM	62652
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	9/14/2021 5:21:18 PM	62547
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/14/2021 5:21:18 PM	62547
Surr: DNOP	84.8	70-130		%Rec	1	9/14/2021 5:21:18 PM	62547
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/14/2021 5:42:00 PM	62543
Surr: BFB	100	70-130		%Rec	1	9/14/2021 5:42:00 PM	62543
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.025		mg/Kg	1	9/14/2021 5:42:00 PM	62543
Toluene	ND	0.050		mg/Kg	1	9/14/2021 5:42:00 PM	62543
Ethylbenzene	ND	0.050		mg/Kg	1	9/14/2021 5:42:00 PM	62543
Xylenes, Total	ND	0.10		mg/Kg	1	9/14/2021 5:42:00 PM	62543
Surr: 4-Bromofluorobenzene	84.6	70-130		%Rec	1	9/14/2021 5:42:00 PM	62543

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

Qualifiers:

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

Analytical Report
Lab Order **2109588**
Date Reported: **9/21/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** P-3/0'
Project: Federal CW B Battery **Collection Date:** 9/10/2021 8:56:00 AM
Lab ID: 2109588-009 **Matrix:** SOIL **Received Date:** 9/11/2021 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	150	60		mg/Kg	20	9/17/2021 2:04:17 PM	62652
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	9/14/2021 5:45:36 PM	62547
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	9/14/2021 5:45:36 PM	62547
Surr: DNOP	95.7	70-130		%Rec	1	9/14/2021 5:45:36 PM	62547
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/14/2021 6:02:00 PM	62543
Surr: BFB	97.8	70-130		%Rec	1	9/14/2021 6:02:00 PM	62543
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.024		mg/Kg	1	9/14/2021 6:02:00 PM	62543
Toluene	ND	0.048		mg/Kg	1	9/14/2021 6:02:00 PM	62543
Ethylbenzene	ND	0.048		mg/Kg	1	9/14/2021 6:02:00 PM	62543
Xylenes, Total	ND	0.095		mg/Kg	1	9/14/2021 6:02:00 PM	62543
Surr: 4-Bromofluorobenzene	82.5	70-130		%Rec	1	9/14/2021 6:02:00 PM	62543

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

Qualifiers:

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

Analytical Report
Lab Order **2109588**
Date Reported: **9/21/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: P-3/1'
Project: Federal CW B Battery
Collection Date: 9/10/2021 8:57:00 AM
Lab ID: 2109588-010 **Matrix:** SOIL **Received Date:** 9/11/2021 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**VP**
Chloride	560	60		mg/Kg	20	9/17/2021 2:41:32 PM	62652
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**SB**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	9/14/2021 6:10:06 PM	62547
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/14/2021 6:10:06 PM	62547
Surr: DNOP	100	70-130		%Rec	1	9/14/2021 6:10:06 PM	62547
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**mb**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	9/14/2021 6:22:00 PM	62543
Surr: BFB	97.7	70-130		%Rec	1	9/14/2021 6:22:00 PM	62543
EPA METHOD 8021B: VOLATILES						Analyst:	**mb**
Benzene	ND	0.024		mg/Kg	1	9/14/2021 6:22:00 PM	62543
Toluene	ND	0.047		mg/Kg	1	9/14/2021 6:22:00 PM	62543
Ethylbenzene	ND	0.047		mg/Kg	1	9/14/2021 6:22:00 PM	62543
Xylenes, Total	ND	0.095		mg/Kg	1	9/14/2021 6:22:00 PM	62543
Surr: 4-Bromofluorobenzene	83.7	70-130		%Rec	1	9/14/2021 6:22:00 PM	62543

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

Qualifiers:

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

Analytical Report
Lab Order **2109588**
Date Reported: **9/21/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** P-3/2'
Project: Federal CW B Battery **Collection Date:** 9/10/2021 8:58:00 AM
Lab ID: 2109588-011 **Matrix:** SOIL **Received Date:** 9/11/2021 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**VP**
Chloride	730	61		mg/Kg	20	9/17/2021 2:53:56 PM	62652
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**SB**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	9/14/2021 2:49:27 PM	62553
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	9/14/2021 2:49:27 PM	62553
Surr: DNOP	101	70-130		%Rec	1	9/14/2021 2:49:27 PM	62553
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**mb**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/14/2021 8:20:00 PM	62546
Surr: BFB	97.3	70-130		%Rec	1	9/14/2021 8:20:00 PM	62546
EPA METHOD 8021B: VOLATILES						Analyst:	**mb**
Benzene	ND	0.025		mg/Kg	1	9/14/2021 8:20:00 PM	62546
Toluene	ND	0.050		mg/Kg	1	9/14/2021 8:20:00 PM	62546
Ethylbenzene	ND	0.050		mg/Kg	1	9/14/2021 8:20:00 PM	62546
Xylenes, Total	ND	0.10		mg/Kg	1	9/14/2021 8:20:00 PM	62546
Surr: 4-Bromofluorobenzene	83.1	70-130		%Rec	1	9/14/2021 8:20:00 PM	62546

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

Qualifiers:

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

Analytical Report
Lab Order **2109588**
Date Reported: **9/21/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: P-3/3'
Project: Federal CW B Battery
Collection Date: 9/10/2021 9:02:00 AM
Lab ID: 2109588-012 **Matrix:** SOIL **Received Date:** 9/11/2021 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	440	60		mg/Kg	20	9/17/2021 3:06:21 PM	62652
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	9/14/2021 4:01:35 PM	62553
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	9/14/2021 4:01:35 PM	62553
Surr: DNOP	87.3	70-130		%Rec	1	9/14/2021 4:01:35 PM	62553
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/14/2021 9:19:00 PM	62546
Surr: BFB	97.7	70-130		%Rec	1	9/14/2021 9:19:00 PM	62546
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.025		mg/Kg	1	9/14/2021 9:19:00 PM	62546
Toluene	ND	0.050		mg/Kg	1	9/14/2021 9:19:00 PM	62546
Ethylbenzene	ND	0.050		mg/Kg	1	9/14/2021 9:19:00 PM	62546
Xylenes, Total	ND	0.10		mg/Kg	1	9/14/2021 9:19:00 PM	62546
Surr: 4-Bromofluorobenzene	82.1	70-130		%Rec	1	9/14/2021 9:19:00 PM	62546

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

Qualifiers:

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

Analytical Report
Lab Order **2109588**
Date Reported: **9/21/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: P-3/4'
Project: Federal CW B Battery
Collection Date: 9/10/2021 9:05:00 AM
Lab ID: 2109588-013 **Matrix:** SOIL **Received Date:** 9/11/2021 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	450	60		mg/Kg	20	9/17/2021 3:18:46 PM	62652
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	9/14/2021 4:25:38 PM	62553
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	9/14/2021 4:25:38 PM	62553
Surr: DNOP	89.5	70-130		%Rec	1	9/14/2021 4:25:38 PM	62553
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/14/2021 10:18:00 PM	62546
Surr: BFB	95.7	70-130		%Rec	1	9/14/2021 10:18:00 PM	62546
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.025		mg/Kg	1	9/14/2021 10:18:00 PM	62546
Toluene	ND	0.050		mg/Kg	1	9/14/2021 10:18:00 PM	62546
Ethylbenzene	ND	0.050		mg/Kg	1	9/14/2021 10:18:00 PM	62546
Xylenes, Total	ND	0.10		mg/Kg	1	9/14/2021 10:18:00 PM	62546
Surr: 4-Bromofluorobenzene	82.0	70-130		%Rec	1	9/14/2021 10:18:00 PM	62546

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

Qualifiers:

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

Analytical Report
Lab Order **2109588**
Date Reported: **9/21/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** P-4/0'
Project: Federal CW B Battery **Collection Date:** 9/10/2021 8:36:00 AM
Lab ID: 2109588-014 **Matrix:** SOIL **Received Date:** 9/11/2021 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	ND	61		mg/Kg	20	9/17/2021 3:31:11 PM	62652
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	9/14/2021 4:49:32 PM	62553
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/14/2021 4:49:32 PM	62553
Surr: DNOP	97.0	70-130		%Rec	1	9/14/2021 4:49:32 PM	62553
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	9/14/2021 10:38:00 PM	62546
Surr: BFB	97.0	70-130		%Rec	1	9/14/2021 10:38:00 PM	62546
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.024		mg/Kg	1	9/14/2021 10:38:00 PM	62546
Toluene	ND	0.047		mg/Kg	1	9/14/2021 10:38:00 PM	62546
Ethylbenzene	ND	0.047		mg/Kg	1	9/14/2021 10:38:00 PM	62546
Xylenes, Total	ND	0.095		mg/Kg	1	9/14/2021 10:38:00 PM	62546
Surr: 4-Bromofluorobenzene	81.8	70-130		%Rec	1	9/14/2021 10:38:00 PM	62546

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

Qualifiers:

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

Analytical Report
Lab Order **2109588**
Date Reported: **9/21/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** P-4/1'
Project: Federal CW B Battery **Collection Date:** 9/10/2021 8:38:00 AM
Lab ID: 2109588-015 **Matrix:** SOIL **Received Date:** 9/11/2021 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**VP**
Chloride	300	60		mg/Kg	20	9/17/2021 3:43:36 PM	62652
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**SB**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	9/14/2021 5:13:27 PM	62553
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	9/14/2021 5:13:27 PM	62553
Surr: DNOP	101	70-130		%Rec	1	9/14/2021 5:13:27 PM	62553
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**mb**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/14/2021 10:58:00 PM	62546
Surr: BFB	197	70-130	S	%Rec	1	9/14/2021 10:58:00 PM	62546
EPA METHOD 8021B: VOLATILES						Analyst:	**mb**
Benzene	ND	0.024		mg/Kg	1	9/14/2021 10:58:00 PM	62546
Toluene	ND	0.048		mg/Kg	1	9/14/2021 10:58:00 PM	62546
Ethylbenzene	ND	0.048		mg/Kg	1	9/14/2021 10:58:00 PM	62546
Xylenes, Total	ND	0.096		mg/Kg	1	9/14/2021 10:58:00 PM	62546
Surr: 4-Bromofluorobenzene	173	70-130	S	%Rec	1	9/14/2021 10:58:00 PM	62546

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

Qualifiers:

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

Analytical Report
Lab Order **2109588**
Date Reported: **9/21/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** P-4/2'
Project: Federal CW B Battery **Collection Date:** 9/10/2021 8:39:00 AM
Lab ID: 2109588-016 **Matrix:** SOIL **Received Date:** 9/11/2021 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	1000	59		mg/Kg	20	9/17/2021 5:22:53 PM	62655
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	9/14/2021 5:37:26 PM	62553
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	9/14/2021 5:37:26 PM	62553
Surr: DNOP	106	70-130		%Rec	1	9/14/2021 5:37:26 PM	62553
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/14/2021 11:17:00 PM	62546
Surr: BFB	97.9	70-130		%Rec	1	9/14/2021 11:17:00 PM	62546
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.024		mg/Kg	1	9/14/2021 11:17:00 PM	62546
Toluene	ND	0.048		mg/Kg	1	9/14/2021 11:17:00 PM	62546
Ethylbenzene	ND	0.048		mg/Kg	1	9/14/2021 11:17:00 PM	62546
Xylenes, Total	ND	0.097		mg/Kg	1	9/14/2021 11:17:00 PM	62546
Surr: 4-Bromofluorobenzene	82.5	70-130		%Rec	1	9/14/2021 11:17:00 PM	62546

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

Qualifiers:

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

Analytical Report
Lab Order **2109588**
Date Reported: **9/21/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** P-4/3'
Project: Federal CW B Battery **Collection Date:** 9/10/2021 8:41:00 AM
Lab ID: 2109588-017 **Matrix:** SOIL **Received Date:** 9/11/2021 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	500	60		mg/Kg	20	9/17/2021 5:35:18 PM	62655
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	9/14/2021 6:01:31 PM	62553
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/14/2021 6:01:31 PM	62553
Surr: DNOP	90.6	70-130		%Rec	1	9/14/2021 6:01:31 PM	62553
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	9/14/2021 11:37:00 PM	62546
Surr: BFB	96.1	70-130		%Rec	1	9/14/2021 11:37:00 PM	62546
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.023		mg/Kg	1	9/14/2021 11:37:00 PM	62546
Toluene	ND	0.047		mg/Kg	1	9/14/2021 11:37:00 PM	62546
Ethylbenzene	ND	0.047		mg/Kg	1	9/14/2021 11:37:00 PM	62546
Xylenes, Total	ND	0.093		mg/Kg	1	9/14/2021 11:37:00 PM	62546
Surr: 4-Bromofluorobenzene	82.1	70-130		%Rec	1	9/14/2021 11:37:00 PM	62546

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

Qualifiers:

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

Analytical Report
Lab Order **2109588**
Date Reported: **9/21/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: P-4/4'
Project: Federal CW B Battery
Collection Date: 9/10/2021 8:46:00 AM
Lab ID: 2109588-018 **Matrix:** SOIL **Received Date:** 9/11/2021 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	450	60		mg/Kg	20	9/17/2021 5:47:43 PM	62655
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	9/14/2021 6:25:35 PM	62553
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	9/14/2021 6:25:35 PM	62553
Surr: DNOP	83.6	70-130		%Rec	1	9/14/2021 6:25:35 PM	62553
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/14/2021 11:57:00 PM	62546
Surr: BFB	99.2	70-130		%Rec	1	9/14/2021 11:57:00 PM	62546
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.025		mg/Kg	1	9/14/2021 11:57:00 PM	62546
Toluene	ND	0.050		mg/Kg	1	9/14/2021 11:57:00 PM	62546
Ethylbenzene	ND	0.050		mg/Kg	1	9/14/2021 11:57:00 PM	62546
Xylenes, Total	ND	0.10		mg/Kg	1	9/14/2021 11:57:00 PM	62546
Surr: 4-Bromofluorobenzene	84.5	70-130		%Rec	1	9/14/2021 11:57:00 PM	62546

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

Qualifiers:

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

Analytical Report
Lab Order **2109588**
Date Reported: **9/21/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** P-5/0'
Project: Federal CW B Battery **Collection Date:** 9/10/2021 8:19:00 AM
Lab ID: 2109588-019 **Matrix:** SOIL **Received Date:** 9/11/2021 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	300	60		mg/Kg	20	9/17/2021 6:00:08 PM	62655
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	9/14/2021 6:49:39 PM	62553
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	9/14/2021 6:49:39 PM	62553
Surr: DNOP	98.0	70-130		%Rec	1	9/14/2021 6:49:39 PM	62553
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/15/2021 12:16:00 AM	62546
Surr: BFB	97.2	70-130		%Rec	1	9/15/2021 12:16:00 AM	62546
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.025		mg/Kg	1	9/15/2021 12:16:00 AM	62546
Toluene	ND	0.049		mg/Kg	1	9/15/2021 12:16:00 AM	62546
Ethylbenzene	ND	0.049		mg/Kg	1	9/15/2021 12:16:00 AM	62546
Xylenes, Total	ND	0.099		mg/Kg	1	9/15/2021 12:16:00 AM	62546
Surr: 4-Bromofluorobenzene	83.6	70-130		%Rec	1	9/15/2021 12:16:00 AM	62546

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

Qualifiers:

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

Analytical Report
Lab Order **2109588**
Date Reported: **9/21/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** P-5/1'
Project: Federal CW B Battery **Collection Date:** 9/10/2021 8:21:00 AM
Lab ID: 2109588-020 **Matrix:** SOIL **Received Date:** 9/11/2021 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	410	60		mg/Kg	20	9/17/2021 6:12:33 PM	62655
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	9/14/2021 7:37:42 PM	62553
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/14/2021 7:37:42 PM	62553
Surr: DNOP	91.1	70-130		%Rec	1	9/14/2021 7:37:42 PM	62553
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	9/15/2021 12:36:00 AM	62546
Surr: BFB	98.1	70-130		%Rec	1	9/15/2021 12:36:00 AM	62546
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.023		mg/Kg	1	9/15/2021 12:36:00 AM	62546
Toluene	ND	0.046		mg/Kg	1	9/15/2021 12:36:00 AM	62546
Ethylbenzene	ND	0.046		mg/Kg	1	9/15/2021 12:36:00 AM	62546
Xylenes, Total	ND	0.092		mg/Kg	1	9/15/2021 12:36:00 AM	62546
Surr: 4-Bromofluorobenzene	82.9	70-130		%Rec	1	9/15/2021 12:36:00 AM	62546

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

Qualifiers:

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

Analytical Report
Lab Order **2109588**
Date Reported: **9/21/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** P-5/2'
Project: Federal CW B Battery **Collection Date:** 9/10/2021 8:22:00 AM
Lab ID: 2109588-021 **Matrix:** SOIL **Received Date:** 9/11/2021 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	700	60		mg/Kg	20	9/17/2021 6:24:57 PM	62655
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	8.4		mg/Kg	1	9/14/2021 8:01:43 PM	62553
Motor Oil Range Organics (MRO)	ND	42		mg/Kg	1	9/14/2021 8:01:43 PM	62553
Surr: DNOP	107	70-130		%Rec	1	9/14/2021 8:01:43 PM	62553
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/15/2021 1:35:00 AM	62546
Surr: BFB	99.6	70-130		%Rec	1	9/15/2021 1:35:00 AM	62546
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.024		mg/Kg	1	9/15/2021 1:35:00 AM	62546
Toluene	ND	0.048		mg/Kg	1	9/15/2021 1:35:00 AM	62546
Ethylbenzene	ND	0.048		mg/Kg	1	9/15/2021 1:35:00 AM	62546
Xylenes, Total	ND	0.097		mg/Kg	1	9/15/2021 1:35:00 AM	62546
Surr: 4-Bromofluorobenzene	83.8	70-130		%Rec	1	9/15/2021 1:35:00 AM	62546

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

Qualifiers:

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

Analytical Report
Lab Order **2109588**
Date Reported: **9/21/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** P-5/3'
Project: Federal CW B Battery **Collection Date:** 9/10/2021 8:24:00 AM
Lab ID: 2109588-022 **Matrix:** SOIL **Received Date:** 9/11/2021 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	490	60		mg/Kg	20	9/17/2021 6:37:22 PM	62655
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	9/14/2021 8:25:44 PM	62553
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/14/2021 8:25:44 PM	62553
Surr: DNOP	86.1	70-130		%Rec	1	9/14/2021 8:25:44 PM	62553
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/15/2021 1:55:00 AM	62546
Surr: BFB	100	70-130		%Rec	1	9/15/2021 1:55:00 AM	62546
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.024		mg/Kg	1	9/15/2021 1:55:00 AM	62546
Toluene	ND	0.048		mg/Kg	1	9/15/2021 1:55:00 AM	62546
Ethylbenzene	ND	0.048		mg/Kg	1	9/15/2021 1:55:00 AM	62546
Xylenes, Total	ND	0.097		mg/Kg	1	9/15/2021 1:55:00 AM	62546
Surr: 4-Bromofluorobenzene	84.5	70-130		%Rec	1	9/15/2021 1:55:00 AM	62546

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

Qualifiers:

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

Analytical Report
Lab Order **2109588**
Date Reported: **9/21/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** P-5/4'
Project: Federal CW B Battery **Collection Date:** 9/10/2021 8:26:00 AM
Lab ID: 2109588-023 **Matrix:** SOIL **Received Date:** 9/11/2021 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	470	61		mg/Kg	20	9/17/2021 6:49:47 PM	62655
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	9/14/2021 8:49:41 PM	62553
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/14/2021 8:49:41 PM	62553
Surr: DNOP	110	70-130		%Rec	1	9/14/2021 8:49:41 PM	62553
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/15/2021 2:14:00 AM	62546
Surr: BFB	95.3	70-130		%Rec	1	9/15/2021 2:14:00 AM	62546
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.024		mg/Kg	1	9/15/2021 2:14:00 AM	62546
Toluene	ND	0.048		mg/Kg	1	9/15/2021 2:14:00 AM	62546
Ethylbenzene	ND	0.048		mg/Kg	1	9/15/2021 2:14:00 AM	62546
Xylenes, Total	ND	0.096		mg/Kg	1	9/15/2021 2:14:00 AM	62546
Surr: 4-Bromofluorobenzene	81.8	70-130		%Rec	1	9/15/2021 2:14:00 AM	62546

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

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2109588**
21-Sep-21

Client: EOG
Project: Federal CW B Battery

Sample ID: **MB-62637**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **62637**	RunNo: **81345**							
Prep Date: **9/16/2021**	Analysis Date: **9/17/2021**	SeqNo: **2872703**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-62637**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **62637**	RunNo: **81345**							
Prep Date: **9/16/2021**	Analysis Date: **9/17/2021**	SeqNo: **2872704**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.4	90	110			

Sample ID: **MB-62652**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **62652**	RunNo: **81356**							
Prep Date: **9/17/2021**	Analysis Date: **9/17/2021**	SeqNo: **2874173**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-62652**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **62652**	RunNo: **81356**							
Prep Date: **9/17/2021**	Analysis Date: **9/17/2021**	SeqNo: **2874174**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	96.9	90	110			

Sample ID: **MB-62655**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **62655**	RunNo: **81356**							
Prep Date: **9/17/2021**	Analysis Date: **9/17/2021**	SeqNo: **2874208**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-62655**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **62655**	RunNo: **81356**							
Prep Date: **9/17/2021**	Analysis Date: **9/17/2021**	SeqNo: **2874209**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.9	90	110			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2109588**

21-Sep-21

Client: EOG

Project: Federal CW B Battery

Sample ID: **LCS-62553** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **62553** RunNo: **81254**
Prep Date: **9/13/2021** Analysis Date: **9/14/2021** SeqNo: **2869613** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	92.6	68.9	135			
Surr: DNOP	5.0		5.000		100	70	130			

Sample ID: **MB-62553** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS** Batch ID: **62553** RunNo: **81254**
Prep Date: **9/13/2021** Analysis Date: **9/14/2021** SeqNo: **2869614** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		104	70	130			

Sample ID: **LCS-62547** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **62547** RunNo: **81284**
Prep Date: **9/13/2021** Analysis Date: **9/14/2021** SeqNo: **2870519** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	96.9	68.9	135			
Surr: DNOP	4.5		5.000		90.9	70	130			

Sample ID: **MB-62547** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS** Batch ID: **62547** RunNo: **81284**
Prep Date: **9/13/2021** Analysis Date: **9/14/2021** SeqNo: **2870520** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.7		10.00		96.9	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
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2109588**

21-Sep-21

Client: EOG

Project: Federal CW B Battery

Sample ID: **mb-62543**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **PBS**	Batch ID: **62543**	RunNo: **81271**							
Prep Date: **9/13/2021**	Analysis Date: **9/14/2021**	SeqNo: **2869801**	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	960		1000		96.3	70	130			

Sample ID: **mb-62546**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **PBS**	Batch ID: **62546**	RunNo: **81271**							
Prep Date: **9/13/2021**	Analysis Date: **9/14/2021**	SeqNo: **2869802**	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	960		1000		95.6	70	130			

Sample ID: **lcs-62543**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **LCSS**	Batch ID: **62543**	RunNo: **81271**							
Prep Date: **9/13/2021**	Analysis Date: **9/14/2021**	SeqNo: **2869803**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	30	5.0	25.00	0	118	78.6	131			
Surr: BFB	1100		1000		113	70	130			

Sample ID: **lcs-62546**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **LCSS**	Batch ID: **62546**	RunNo: **81271**							
Prep Date: **9/13/2021**	Analysis Date: **9/14/2021**	SeqNo: **2869804**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	30	5.0	25.00	0	121	78.6	131			
Surr: BFB	1100		1000		110	70	130			

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2109588**
21-Sep-21

Client: EOG
Project: Federal CW B Battery

Sample ID: **mb-62543**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **62543**	RunNo: **81271**
Prep Date: **9/13/2021**	Analysis Date: **9/14/2021**	SeqNo: **2869849** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.82		1.000		81.5	70	130			

Sample ID: **mb-62546**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **62546**	RunNo: **81271**
Prep Date: **9/13/2021**	Analysis Date: **9/14/2021**	SeqNo: **2869850** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.82		1.000		82.0	70	130			

Sample ID: **lcs-62543**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **62543**	RunNo: **81271**
Prep Date: **9/13/2021**	Analysis Date: **9/14/2021**	SeqNo: **2869851** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	91.4	80	120			
Toluene	0.91	0.050	1.000	0	90.6	80	120			
Ethylbenzene	0.92	0.050	1.000	0	92.3	80	120			
Xylenes, Total	2.8	0.10	3.000	0	92.6	80	120			
Surr: 4-Bromofluorobenzene	0.85		1.000		84.6	70	130			

Sample ID: **lcs-62546**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **62546**	RunNo: **81271**
Prep Date: **9/13/2021**	Analysis Date: **9/14/2021**	SeqNo: **2869852** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	94.8	80	120			
Toluene	0.93	0.050	1.000	0	93.1	80	120			
Ethylbenzene	0.94	0.050	1.000	0	94.1	80	120			
Xylenes, Total	2.8	0.10	3.000	0	94.2	80	120			
Surr: 4-Bromofluorobenzene	0.83		1.000		83.4	70	130			

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: **EOG** Work Order Number: **2109588** RcptNo: 1

Received By: **Desiree Dominguez** **9/11/2021 8:50:00 AM** DD

Completed By: **Desiree Dominguez** **9/11/2021 11:24:19 AM** DD

Reviewed By: SGL 9/13/21

Chain of Custody

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

Log In

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

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

Adjusted?

Checked by: JRC 9/13/21

Special Handling (if applicable)

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

Person Notified: Date:

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

Regarding:

Client Instructions:

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.1	Good				

Chain-of-Custody Record

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

Client: EOG-Artesia / Ranger Env.

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

Ranger: PO Box 201179, Austin TX 78720

Phone #: 521-335-1785

email or Fax#: Will@RangerEnv.com

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

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

Turn-Around Time: 5 Days
☒ Standard ☐ **Rush**_____

Project Name: FEDERAL CW-8 BATTERY

Project #: 5375

Project Manager: W. Kierdorf

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2109588	BTEX (8021)	TPH:8015D(GRO / DRO / MRO)	Chloride (EPA 300)
9/1/2021	0738	SOIL	P-1/0'	1 x 4oz JAR	ICE	-001	X	X	X
	0739		P-1/1'			-002			
	0741		P-1/2'			-003			
	0742		P-1/3'			-004			
	0745		P-1/4'			-005			
	0758		P-2/0'			-006			
	0759		P-2/1'			-007			
	0803		P-2/2'			-008			
	0856		P-3/0'			-009			
	0857		P-3/1'			-010			
	0858		P-3/2'			-011			
	0902		P-3/3'			-012			

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
9/30/2021	1011				9/10/21	1011
9/10/21	1900			COURIER	9/11/21	8:50

Remarks: Bill to EOG Artesia

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

Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.

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

Ranger: PO Box 201179, Austin TX 78720

Phone #: 521-335-1785

email or Fax#: Will@RangerEnv.com

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

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

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

Project Name: FEDERAL CW-8 BATTERY

Project #: 5375

Project Manager: W. Kierdorf

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

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2109588	BTEX (8021)	TPH:8015D(GRO / DRO / MRO)	Chloride (EPA 300)
9/10/2021	0905	SOIL	P-3/4'	1x 4oz JAR	ICE	-013	X	X	X
	0836		P-4/0'			-014			
	0838		P-4/1'			-015			
	0839		P-4/2'			-016			
	0841		P-4/3'			-017			
	0846		P-4/4'			-018			
	0819		P-5/0'			-019			
	0821		P-5/1'			-020			
	0822		P-5/2'			-021			
	0824		P-5/3'			-022			
	0826		P-5/4'			-023			

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
9/10/2021	1011				9/10/21	1011
9/10/21	1900			courier	9/11/21	8:50

Remarks: Bill to EOG Artesia

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

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

RE: Federal CW B Battery OrderNo.: 2112735

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 18 sample(s) on 12/10/2021 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2112735**
Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: P-6/0
Project: Federal CW B Battery
Collection Date: 12/8/2021 8:50:00 AM
Lab ID: 2112735-001 **Matrix:** SOIL **Received Date:** 12/10/2021 7:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	280	60		mg/Kg	20	12/14/2021 12:10:10 AM	64456
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/13/2021 7:45:46 PM	64447
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/13/2021 7:45:46 PM	64447
Surr: DNOP	81.3	70-130		%Rec	1	12/13/2021 7:45:46 PM	64447
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/13/2021 12:52:00 PM	64435
Surr: BFB	97.1	70-130		%Rec	1	12/13/2021 12:52:00 PM	64435
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.025		mg/Kg	1	12/13/2021 12:52:00 PM	64435
Toluene	ND	0.050		mg/Kg	1	12/13/2021 12:52:00 PM	64435
Ethylbenzene	ND	0.050		mg/Kg	1	12/13/2021 12:52:00 PM	64435
Xylenes, Total	ND	0.10		mg/Kg	1	12/13/2021 12:52:00 PM	64435
Surr: 4-Bromofluorobenzene	84.6	70-130		%Rec	1	12/13/2021 12:52:00 PM	64435

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

Qualifiers:

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

Analytical Report
Lab Order **2112735**
Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: P-6/2
Project: Federal CW B Battery
Collection Date: 12/8/2021 8:54:00 AM
Lab ID: 2112735-002 **Matrix:** SOIL **Received Date:** 12/10/2021 7:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	430	60		mg/Kg	20	12/14/2021 12:22:34 AM	64456
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	12/13/2021 7:56:15 PM	64447
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/13/2021 7:56:15 PM	64447
Surr: DNOP	80.4	70-130		%Rec	1	12/13/2021 7:56:15 PM	64447
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/13/2021 1:12:00 PM	64435
Surr: BFB	92.8	70-130		%Rec	1	12/13/2021 1:12:00 PM	64435
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.025		mg/Kg	1	12/13/2021 1:12:00 PM	64435
Toluene	ND	0.050		mg/Kg	1	12/13/2021 1:12:00 PM	64435
Ethylbenzene	ND	0.050		mg/Kg	1	12/13/2021 1:12:00 PM	64435
Xylenes, Total	ND	0.10		mg/Kg	1	12/13/2021 1:12:00 PM	64435
Surr: 4-Bromofluorobenzene	84.1	70-130		%Rec	1	12/13/2021 1:12:00 PM	64435

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

Qualifiers:

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

Analytical Report
Lab Order **2112735**
Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: P-7/3
Project: Federal CW B Battery
Collection Date: 12/8/2021 9:27:00 AM
Lab ID: 2112735-003 **Matrix:** SOIL **Received Date:** 12/10/2021 7:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	830	59		mg/Kg	20	12/14/2021 12:34:58 AM	64456
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	12/13/2021 8:06:45 PM	64447
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	12/13/2021 8:06:45 PM	64447
Surr: DNOP	84.1	70-130		%Rec	1	12/13/2021 8:06:45 PM	64447
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/13/2021 1:31:00 PM	64435
Surr: BFB	92.8	70-130		%Rec	1	12/13/2021 1:31:00 PM	64435
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.025		mg/Kg	1	12/13/2021 1:31:00 PM	64435
Toluene	ND	0.050		mg/Kg	1	12/13/2021 1:31:00 PM	64435
Ethylbenzene	ND	0.050		mg/Kg	1	12/13/2021 1:31:00 PM	64435
Xylenes, Total	ND	0.10		mg/Kg	1	12/13/2021 1:31:00 PM	64435
Surr: 4-Bromofluorobenzene	83.7	70-130		%Rec	1	12/13/2021 1:31:00 PM	64435

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

Qualifiers:

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

Analytical Report
Lab Order **2112735**
Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: P-7/5
Project: Federal CW B Battery
Collection Date: 12/8/2021 9:40:00 AM
Lab ID: 2112735-004 **Matrix:** SOIL **Received Date:** 12/10/2021 7:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	340	60		mg/Kg	20	12/14/2021 12:47:22 AM	64456
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	12/13/2021 8:17:16 PM	64447
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/13/2021 8:17:16 PM	64447
Surr: DNOP	82.5	70-130		%Rec	1	12/13/2021 8:17:16 PM	64447
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/13/2021 1:51:00 PM	64435
Surr: BFB	88.2	70-130		%Rec	1	12/13/2021 1:51:00 PM	64435
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.025		mg/Kg	1	12/13/2021 1:51:00 PM	64435
Toluene	ND	0.050		mg/Kg	1	12/13/2021 1:51:00 PM	64435
Ethylbenzene	ND	0.050		mg/Kg	1	12/13/2021 1:51:00 PM	64435
Xylenes, Total	ND	0.099		mg/Kg	1	12/13/2021 1:51:00 PM	64435
Surr: 4-Bromofluorobenzene	79.0	70-130		%Rec	1	12/13/2021 1:51:00 PM	64435

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

Qualifiers:

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

Analytical Report
Lab Order **2112735**
Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: P-8/0
Project: Federal CW B Battery
Collection Date: 12/8/2021 9:45:00 AM
Lab ID: 2112735-005 **Matrix:** SOIL **Received Date:** 12/10/2021 7:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	12/14/2021 1:24:35 AM	64456
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/13/2021 8:27:47 PM	64447
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/13/2021 8:27:47 PM	64447
Surr: DNOP	83.8	70-130		%Rec	1	12/13/2021 8:27:47 PM	64447
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/13/2021 2:11:00 PM	64435
Surr: BFB	94.6	70-130		%Rec	1	12/13/2021 2:11:00 PM	64435
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.025		mg/Kg	1	12/13/2021 2:11:00 PM	64435
Toluene	ND	0.050		mg/Kg	1	12/13/2021 2:11:00 PM	64435
Ethylbenzene	ND	0.050		mg/Kg	1	12/13/2021 2:11:00 PM	64435
Xylenes, Total	ND	0.10		mg/Kg	1	12/13/2021 2:11:00 PM	64435
Surr: 4-Bromofluorobenzene	83.4	70-130		%Rec	1	12/13/2021 2:11:00 PM	64435

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

Qualifiers:

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

Analytical Report
Lab Order **2112735**
Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: P-8/2
Project: Federal CW B Battery
Collection Date: 12/8/2021 9:52:00 AM
Lab ID: 2112735-006 **Matrix:** SOIL **Received Date:** 12/10/2021 7:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	180	60		mg/Kg	20	12/14/2021 1:36:59 AM	64456
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/13/2021 8:38:25 PM	64447
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/13/2021 8:38:25 PM	64447
Surr: DNOP	80.3	70-130		%Rec	1	12/13/2021 8:38:25 PM	64447
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/13/2021 3:10:00 PM	64435
Surr: BFB	92.4	70-130		%Rec	1	12/13/2021 3:10:00 PM	64435
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.024		mg/Kg	1	12/13/2021 3:10:00 PM	64435
Toluene	ND	0.049		mg/Kg	1	12/13/2021 3:10:00 PM	64435
Ethylbenzene	ND	0.049		mg/Kg	1	12/13/2021 3:10:00 PM	64435
Xylenes, Total	ND	0.098		mg/Kg	1	12/13/2021 3:10:00 PM	64435
Surr: 4-Bromofluorobenzene	83.8	70-130		%Rec	1	12/13/2021 3:10:00 PM	64435

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

Qualifiers:

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

Analytical Report
Lab Order **2112735**
Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: P-9/1
Project: Federal CW B Battery
Collection Date: 12/8/2021 10:05:00 AM
Lab ID: 2112735-007 **Matrix:** SOIL **Received Date:** 12/10/2021 7:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	1500	60		mg/Kg	20	12/14/2021 1:49:24 AM	64456
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/13/2021 8:49:15 PM	64447
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/13/2021 8:49:15 PM	64447
Surr: DNOP	84.2	70-130		%Rec	1	12/13/2021 8:49:15 PM	64447
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/13/2021 3:29:00 PM	64435
Surr: BFB	88.4	70-130		%Rec	1	12/13/2021 3:29:00 PM	64435
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.025		mg/Kg	1	12/13/2021 3:29:00 PM	64435
Toluene	ND	0.049		mg/Kg	1	12/13/2021 3:29:00 PM	64435
Ethylbenzene	ND	0.049		mg/Kg	1	12/13/2021 3:29:00 PM	64435
Xylenes, Total	ND	0.098		mg/Kg	1	12/13/2021 3:29:00 PM	64435
Surr: 4-Bromofluorobenzene	80.4	70-130		%Rec	1	12/13/2021 3:29:00 PM	64435

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

Qualifiers:

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

Analytical Report
Lab Order **2112735**
Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: P-9/6
Project: Federal CW B Battery
Collection Date: 12/8/2021 10:50:00 AM
Lab ID: 2112735-008 **Matrix:** SOIL **Received Date:** 12/10/2021 7:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	410	60		mg/Kg	20	12/14/2021 2:01:48 AM	64456
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/13/2021 9:00:07 PM	64447
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/13/2021 9:00:07 PM	64447
Surr: DNOP	83.8	70-130		%Rec	1	12/13/2021 9:00:07 PM	64447
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/13/2021 3:49:00 PM	64435
Surr: BFB	90.5	70-130		%Rec	1	12/13/2021 3:49:00 PM	64435
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.025		mg/Kg	1	12/13/2021 3:49:00 PM	64435
Toluene	ND	0.050		mg/Kg	1	12/13/2021 3:49:00 PM	64435
Ethylbenzene	ND	0.050		mg/Kg	1	12/13/2021 3:49:00 PM	64435
Xylenes, Total	ND	0.099		mg/Kg	1	12/13/2021 3:49:00 PM	64435
Surr: 4-Bromofluorobenzene	79.4	70-130		%Rec	1	12/13/2021 3:49:00 PM	64435

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

Qualifiers:

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

Analytical Report
Lab Order **2112735**
Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: P-10/0
Project: Federal CW B Battery
Collection Date: 12/8/2021 10:59:00 AM
Lab ID: 2112735-009 **Matrix:** SOIL **Received Date:** 12/10/2021 7:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	12/14/2021 2:14:13 AM	64456
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	12/13/2021 9:10:55 PM	64447
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/13/2021 9:10:55 PM	64447
Surr: DNOP	79.8	70-130		%Rec	1	12/13/2021 9:10:55 PM	64447
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/13/2021 4:09:00 PM	64435
Surr: BFB	92.6	70-130		%Rec	1	12/13/2021 4:09:00 PM	64435
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.025		mg/Kg	1	12/13/2021 4:09:00 PM	64435
Toluene	ND	0.050		mg/Kg	1	12/13/2021 4:09:00 PM	64435
Ethylbenzene	ND	0.050		mg/Kg	1	12/13/2021 4:09:00 PM	64435
Xylenes, Total	ND	0.10		mg/Kg	1	12/13/2021 4:09:00 PM	64435
Surr: 4-Bromofluorobenzene	82.6	70-130		%Rec	1	12/13/2021 4:09:00 PM	64435

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

Qualifiers:

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

Analytical Report
Lab Order **2112735**
Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: P-10/2
Project: Federal CW B Battery
Collection Date: 12/8/2021 11:05:00 AM
Lab ID: 2112735-010 **Matrix:** SOIL **Received Date:** 12/10/2021 7:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	12/13/2021 11:22:03 PM	64466
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	12/13/2021 9:21:44 PM	64447
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/13/2021 9:21:44 PM	64447
Surr: DNOP	75.5	70-130		%Rec	1	12/13/2021 9:21:44 PM	64447
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/13/2021 4:28:00 PM	64435
Surr: BFB	91.1	70-130		%Rec	1	12/13/2021 4:28:00 PM	64435
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.025		mg/Kg	1	12/13/2021 4:28:00 PM	64435
Toluene	ND	0.049		mg/Kg	1	12/13/2021 4:28:00 PM	64435
Ethylbenzene	ND	0.049		mg/Kg	1	12/13/2021 4:28:00 PM	64435
Xylenes, Total	ND	0.099		mg/Kg	1	12/13/2021 4:28:00 PM	64435
Surr: 4-Bromofluorobenzene	83.8	70-130		%Rec	1	12/13/2021 4:28:00 PM	64435

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

Qualifiers:

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

Analytical Report
Lab Order **2112735**
Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: P-11/0
Project: Federal CW B Battery
Collection Date: 12/8/2021 11:25:00 AM
Lab ID: 2112735-011 **Matrix:** SOIL **Received Date:** 12/10/2021 7:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	12/13/2021 11:59:05 PM	64466
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	12/13/2021 9:32:31 PM	64447
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/13/2021 9:32:31 PM	64447
Surr: DNOP	87.6	70-130		%Rec	1	12/13/2021 9:32:31 PM	64447
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/13/2021 4:48:00 PM	64435
Surr: BFB	93.9	70-130		%Rec	1	12/13/2021 4:48:00 PM	64435
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.025		mg/Kg	1	12/13/2021 4:48:00 PM	64435
Toluene	ND	0.049		mg/Kg	1	12/13/2021 4:48:00 PM	64435
Ethylbenzene	ND	0.049		mg/Kg	1	12/13/2021 4:48:00 PM	64435
Xylenes, Total	ND	0.099		mg/Kg	1	12/13/2021 4:48:00 PM	64435
Surr: 4-Bromofluorobenzene	82.4	70-130		%Rec	1	12/13/2021 4:48:00 PM	64435

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

Qualifiers:

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

Analytical Report
Lab Order **2112735**
Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: P-11/2
Project: Federal CW B Battery
Collection Date: 12/8/2021 11:33:00 AM
Lab ID: 2112735-012 **Matrix:** SOIL **Received Date:** 12/10/2021 7:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	12/14/2021 12:11:27 AM	64466
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	12/13/2021 9:43:19 PM	64447
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/13/2021 9:43:19 PM	64447
Surr: DNOP	83.0	70-130		%Rec	1	12/13/2021 9:43:19 PM	64447
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/13/2021 5:08:00 PM	64435
Surr: BFB	86.5	70-130		%Rec	1	12/13/2021 5:08:00 PM	64435
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.024		mg/Kg	1	12/13/2021 5:08:00 PM	64435
Toluene	ND	0.048		mg/Kg	1	12/13/2021 5:08:00 PM	64435
Ethylbenzene	ND	0.048		mg/Kg	1	12/13/2021 5:08:00 PM	64435
Xylenes, Total	ND	0.097		mg/Kg	1	12/13/2021 5:08:00 PM	64435
Surr: 4-Bromofluorobenzene	80.6	70-130		%Rec	1	12/13/2021 5:08:00 PM	64435

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

Qualifiers:

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

Analytical Report
Lab Order **2112735**
Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** P-12/0
Project: Federal CW B Battery **Collection Date:** 12/8/2021 11:40:00 AM
Lab ID: 2112735-013 **Matrix:** SOIL **Received Date:** 12/10/2021 7:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	240	60		mg/Kg	20	12/14/2021 12:23:47 AM	64466
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	15	9.7		mg/Kg	1	12/14/2021 9:33:58 AM	64447
Motor Oil Range Organics (MRO)	53	48		mg/Kg	1	12/14/2021 9:33:58 AM	64447
Surr: DNOP	81.6	70-130		%Rec	1	12/14/2021 9:33:58 AM	64447
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/13/2021 5:27:00 PM	64435
Surr: BFB	87.6	70-130		%Rec	1	12/13/2021 5:27:00 PM	64435
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.025		mg/Kg	1	12/13/2021 5:27:00 PM	64435
Toluene	ND	0.049		mg/Kg	1	12/13/2021 5:27:00 PM	64435
Ethylbenzene	ND	0.049		mg/Kg	1	12/13/2021 5:27:00 PM	64435
Xylenes, Total	ND	0.099		mg/Kg	1	12/13/2021 5:27:00 PM	64435
Surr: 4-Bromofluorobenzene	79.9	70-130		%Rec	1	12/13/2021 5:27:00 PM	64435

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

Qualifiers:

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

Analytical Report
Lab Order **2112735**
Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: P-12/2
Project: Federal CW B Battery
Collection Date: 12/8/2021 11:45:00 AM
Lab ID: 2112735-014 **Matrix:** SOIL **Received Date:** 12/10/2021 7:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	120	60		mg/Kg	20	12/14/2021 1:00:47 AM	64466
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	12/13/2021 10:04:48 PM	64447
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/13/2021 10:04:48 PM	64447
Surr: DNOP	81.4	70-130		%Rec	1	12/13/2021 10:04:48 PM	64447
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/13/2021 5:47:00 PM	64435
Surr: BFB	87.5	70-130		%Rec	1	12/13/2021 5:47:00 PM	64435
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.025		mg/Kg	1	12/13/2021 5:47:00 PM	64435
Toluene	ND	0.049		mg/Kg	1	12/13/2021 5:47:00 PM	64435
Ethylbenzene	ND	0.049		mg/Kg	1	12/13/2021 5:47:00 PM	64435
Xylenes, Total	ND	0.098		mg/Kg	1	12/13/2021 5:47:00 PM	64435
Surr: 4-Bromofluorobenzene	79.9	70-130		%Rec	1	12/13/2021 5:47:00 PM	64435

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

Qualifiers:

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

Analytical Report
Lab Order **2112735**
Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: P-13/0
Project: Federal CW B Battery
Collection Date: 12/8/2021 1:05:00 PM
Lab ID: 2112735-015 **Matrix:** SOIL **Received Date:** 12/10/2021 7:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	61		mg/Kg	20	12/14/2021 1:13:07 AM	64466
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	12/13/2021 10:15:32 PM	64447
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/13/2021 10:15:32 PM	64447
Surr: DNOP	76.9	70-130		%Rec	1	12/13/2021 10:15:32 PM	64447
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/13/2021 10:13:13 AM	64437
Surr: BFB	101	70-130		%Rec	1	12/13/2021 10:13:13 AM	64437
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	12/13/2021 10:13:13 AM	64437
Toluene	ND	0.048		mg/Kg	1	12/13/2021 10:13:13 AM	64437
Ethylbenzene	ND	0.048		mg/Kg	1	12/13/2021 10:13:13 AM	64437
Xylenes, Total	ND	0.097		mg/Kg	1	12/13/2021 10:13:13 AM	64437
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	12/13/2021 10:13:13 AM	64437

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

Qualifiers:

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

Analytical Report
Lab Order **2112735**
Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: P-13/2
Project: Federal CW B Battery
Collection Date: 12/8/2021 1:10:00 PM
Lab ID: 2112735-016 **Matrix:** SOIL **Received Date:** 12/10/2021 7:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	89	59		mg/Kg	20	12/14/2021 1:25:28 AM	64466
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	12/15/2021 8:19:26 AM	64497
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/15/2021 8:19:26 AM	64497
Surr: DNOP	90.1	70-130		%Rec	1	12/15/2021 8:19:26 AM	64497
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/13/2021 11:23:29 AM	64437
Surr: BFB	101	70-130		%Rec	1	12/13/2021 11:23:29 AM	64437
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	12/13/2021 11:23:29 AM	64437
Toluene	ND	0.047		mg/Kg	1	12/13/2021 11:23:29 AM	64437
Ethylbenzene	ND	0.047		mg/Kg	1	12/13/2021 11:23:29 AM	64437
Xylenes, Total	ND	0.095		mg/Kg	1	12/13/2021 11:23:29 AM	64437
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	1	12/13/2021 11:23:29 AM	64437

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

Qualifiers:

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

Analytical Report
Lab Order **2112735**
Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: P-14/0
Project: Federal CW B Battery
Collection Date: 12/8/2021 1:20:00 PM
Lab ID: 2112735-017 **Matrix:** SOIL **Received Date:** 12/10/2021 7:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	12/14/2021 1:37:49 AM	64466
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	12/14/2021 9:13:00 AM	64450
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/14/2021 9:13:00 AM	64450
Surr: DNOP	98.8	70-130		%Rec	1	12/14/2021 9:13:00 AM	64450
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	12/13/2021 12:33:49 PM	64437
Surr: BFB	100	70-130		%Rec	1	12/13/2021 12:33:49 PM	64437
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.023		mg/Kg	1	12/13/2021 12:33:49 PM	64437
Toluene	ND	0.046		mg/Kg	1	12/13/2021 12:33:49 PM	64437
Ethylbenzene	ND	0.046		mg/Kg	1	12/13/2021 12:33:49 PM	64437
Xylenes, Total	ND	0.092		mg/Kg	1	12/13/2021 12:33:49 PM	64437
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	12/13/2021 12:33:49 PM	64437

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

Qualifiers:

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

Analytical Report
Lab Order **2112735**
Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: P-14/2
Project: Federal CW B Battery
Collection Date: 12/8/2021 1:32:00 PM
Lab ID: 2112735-018 **Matrix:** SOIL **Received Date:** 12/10/2021 7:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	12/14/2021 1:50:10 AM	64466
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	12/15/2021 8:54:19 AM	64497
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/15/2021 8:54:19 AM	64497
Surr: DNOP	84.0	70-130		%Rec	1	12/15/2021 8:54:19 AM	64497
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/13/2021 12:57:23 PM	64437
Surr: BFB	104	70-130		%Rec	1	12/13/2021 12:57:23 PM	64437
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	12/13/2021 12:57:23 PM	64437
Toluene	ND	0.047		mg/Kg	1	12/13/2021 12:57:23 PM	64437
Ethylbenzene	ND	0.047		mg/Kg	1	12/13/2021 12:57:23 PM	64437
Xylenes, Total	ND	0.094		mg/Kg	1	12/13/2021 12:57:23 PM	64437
Surr: 4-Bromofluorobenzene	108	70-130		%Rec	1	12/13/2021 12:57:23 PM	64437

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

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2112735**

17-Dec-21

Client: EOG

Project: Federal CW B Battery

Sample ID: **MB-64456** SampType: **mblk** TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS** Batch ID: **64456** RunNo: **84503**
Prep Date: **12/13/2021** Analysis Date: **12/13/2021** SeqNo: **2969579** Units: **mg/Kg**

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

Sample ID: **LCS-64456** SampType: **lcs** TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS** Batch ID: **64456** RunNo: **84503**
Prep Date: **12/13/2021** Analysis Date: **12/13/2021** SeqNo: **2969580** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.8	90	110			

Sample ID: **MB-64466** SampType: **mblk** TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS** Batch ID: **64466** RunNo: **84510**
Prep Date: **12/13/2021** Analysis Date: **12/13/2021** SeqNo: **2969844** Units: **mg/Kg**

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

Sample ID: **LCS-64466** SampType: **lcs** TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS** Batch ID: **64466** RunNo: **84510**
Prep Date: **12/13/2021** Analysis Date: **12/13/2021** SeqNo: **2969845** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.5	90	110			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2112735**

17-Dec-21

Client: EOG

Project: Federal CW B Battery

Sample ID: **MB-64447**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **64447**	RunNo: **84469**
Prep Date: **12/13/2021**	Analysis Date: **12/13/2021**	SeqNo: **2969088** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.8		10.00		88.4	70	130			

Sample ID: **LCS-64447**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **64447**	RunNo: **84469**
Prep Date: **12/13/2021**	Analysis Date: **12/13/2021**	SeqNo: **2969090** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	10	50.00	0	84.3	68.9	135			
Surr: DNOP	3.6		5.000		72.3	70	130			

Sample ID: **LCS-64450**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **64450**	RunNo: **84491**
Prep Date: **12/13/2021**	Analysis Date: **12/14/2021**	SeqNo: **2969644** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	10	50.00	0	101	68.9	135			
Surr: DNOP	4.8		5.000		95.2	70	130			

Sample ID: **MB-64450**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **64450**	RunNo: **84493**
Prep Date: **12/13/2021**	Analysis Date: **12/14/2021**	SeqNo: **2970076** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.6		10.00		96.4	70	130			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2112735**

17-Dec-21

Client: EOG

Project: Federal CW B Battery

Sample ID: **mb-64437**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **PBS**	Batch ID: **64437**	RunNo: **84489**							
Prep Date: **12/10/2021**	Analysis Date: **12/13/2021**	SeqNo: **2969095**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		102	70	130			

Sample ID: **lcs-64437**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **LCSS**	Batch ID: **64437**	RunNo: **84489**							
Prep Date: **12/10/2021**	Analysis Date: **12/13/2021**	SeqNo: **2969096**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	96.6	78.6	131			
Surr: BFB	1100		1000		113	70	130			

Sample ID: **mb-64435**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **PBS**	Batch ID: **64435**	RunNo: **84490**							
Prep Date: **12/10/2021**	Analysis Date: **12/13/2021**	SeqNo: **2969189**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		113	70	130			

Sample ID: **lcs-64435**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **LCSS**	Batch ID: **64435**	RunNo: **84490**							
Prep Date: **12/10/2021**	Analysis Date: **12/13/2021**	SeqNo: **2969190**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	31	5.0	25.00	0	123	78.6	131			
Surr: BFB	1400		1000		138	70	130			S

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2112735**

17-Dec-21

Client: EOG

Project: Federal CW B Battery

Sample ID: **mb-64437**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **64437**	RunNo: **84489**
Prep Date: **12/10/2021**	Analysis Date: **12/13/2021**	SeqNo: **2969138** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		106	70	130			

Sample ID: **LCS-64437**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **64437**	RunNo: **84489**
Prep Date: **12/10/2021**	Analysis Date: **12/13/2021**	SeqNo: **2969139** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	93.3	80	120			
Toluene	0.94	0.050	1.000	0	93.5	80	120			
Ethylbenzene	0.94	0.050	1.000	0	93.9	80	120			
Xylenes, Total	2.8	0.10	3.000	0	92.8	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		109	70	130			

Sample ID: **mb-64435**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **64435**	RunNo: **84490**
Prep Date: **12/10/2021**	Analysis Date: **12/13/2021**	SeqNo: **2969222** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		101	70	130			

Sample ID: **lcs-64435**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **64435**	RunNo: **84490**
Prep Date: **12/10/2021**	Analysis Date: **12/13/2021**	SeqNo: **2969223** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.86	0.025	1.000	0	86.3	80	120			
Toluene	0.89	0.050	1.000	0	88.8	80	120			
Ethylbenzene	0.92	0.050	1.000	0	91.7	80	120			
Xylenes, Total	2.7	0.10	3.000	0	89.4	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		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	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: EOG | Work Order Number: 2112735 | RcptNo: 1

Received By: Cheyenne Cason 12/10/2021 7:20:00 AM

Completed By: Sean Livingston 12/10/2021 8:11:26 AM

Reviewed By: JR 12/10/21

Chain of Custody

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

Log In

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

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

Adjusted? _____

Checked by: CM 12/10/21

Special Handling (if applicable)

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

Person Notified: _____ Date: _____

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

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.6	Good				

Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.

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

Ranger: PO Box 201179, Austin TX 78720

Phone #: 521-335-1785

email or Fax#: Will@RangerEnv.com

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

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

Turn-Around Time:
☐ Standard ☒ **Rush** 48-hr

Project Name: Federal CW-B Battery

Project #: 5375

Project Manager: W. Kierdorf

Sampler: W. Kennedy
On Ice: ☒ Yes ☐ No
# of Coolers: 1
Cooler Temp (including CF): 2.6-0=2.6

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2112735	BTEX (8021)	TPH:8015D(GRO / DRO / MRO)	Chloride (EPA 300)
12/2/21	0850	Soil	P-6/0	1x4oz Jar	Ice	001	X	X	X
	0859		P-6/2			002			
	0927		P-7/3			003			
	0940		P-7/5			004			
	0945		P-8/0			005			
	0952		P-8/2			006			
	1005		P-9/1			007			
	1040		P-9/6			008			
	1051		P-10/0			009			
	1105		P-10/2			010			
	1125		P-11/0			011			
↓	1133	↓	P-11/2	↓	↓	012	↓	↓	↓

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
12/9/21	1100	W. Kennedy			12/9/21	1100
12/9/21	1900				12/10/21	0720

Remarks: Bill to EOG Artesia

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

Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.

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

Ranger: PO Box 201179, Austin TX 78720

Phone #: 521-335-1785

email or Fax#: Will@RangerEnv.com

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

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

Turn-Around Time:
☐ Standard ☑ **Rush** 48-hr.

Project Name:
Federal CW-B Battery

Project #: 5375

Project Manager: W. Kierdorf

Sampler: W. Kennedy
On Ice: ☑ Yes ☐ No
# of Coolers: 1
Cooler Temp(including CF): 2.6-0=2.6

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

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX (8021)	TPH:8015D(GRO / DRO / MRO)	Chloride (EPA 300)
12/8/21	1140	Soil	P-12/0	1x 4oz. Jar	Ice	013	X	X	X
	1145		P-12/2			014			
	1305		P-13/0			015			
	1310		P-13/2			016			
	1320		P-14/0			017			
	1322		P-14/2			018			

Analysis Request

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
12/9/21	1100	W. Kennedy				
12/9/21	1900					

Remarks: Bill to EOG Artesia

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

ATTACHMENT 4 – HOWELL RANCH SEED MIXTURE

James H & Betty R Howell Revocable Trust Seed Mix

1lb per acre of Plains Bristlegrass

2lbs per acre of Green Sprangletop

3lbs per acre of Side Oats Gramma

2lbs per acre of Blue Gramma

Increase to 16lbs per acre if broadcast.

Add Reclamation Mix

40% Ryegrass (Annual)

10% Millet

7.5% Kleingrass

5.7% Sideoats

5% Green Sprangletop

7.5% Bristlegrass

10% Western Wheatgrass

10% Buffalograss

2.5% Blue Grama

PLANTING RATE 20 lbs. per acre

Updated 5/23/2021

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 67997

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 67997
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	None	1/31/2022