RANGER
ENVIRONMENTAL SERVICES, INC.

SITE ASSESSMENT/CHARACTERIZATION REPORT

NICHOLAS BJ BATTERY
UNIT I, SECTION 5, TOWNSHIP 19S, RANGE 25E
EDDY COUNTY, NEW MEXICO
32.68959, -104.49939
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

MARCH 18, 2022

Max Cook, CAPM
Senior Project Manager

William Kierdorf, REM
Project Manager

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1.0 SITE LOCATION AND BACKGROUND

The Nicholas BJ #1 Battery (Site) is an active oil and gas well pad/facility pad located on private land, approximately 12 miles southwest of Artesia, within Eddy County, New Mexico. The facility is situated in Unit I, Section 5, T19S-R25E at GPS coordinates 32.68959, -104.49939.

On August 5, 2021, during a site visit tour, Howell Ranch Revocable Trust (Howell Ranch) representatives identified an area of concern located north and east of the tank battery located at the Site. The area of concern was noted to lack vegetation growth similar to that of the surrounding areas. EOG Resources, Inc. (EOG) has engaged Ranger Environmental Services, Inc. (Ranger) to assist in the assessment, remediation, and reclamation efforts at the Site.

On September 2, 2021, Ranger personnel conducted an assessment of the reported area. Based on the sample results of the assessment activities, the area was reported to the New Mexico Oil Conservation Division (NMOCD) on September 28, 2021 (NMOCD Incident # nAPP2127158905).

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

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

2.0 SITE CHARACTERIZATION

2.1 Depth-to-Groundwater

To determine the depth-to-groundwater in the vicinity of the Site, data available from the U.S. Geological Survey (USGS) and the New Mexico Office of the State Engineer (NMOSE) was reviewed.

Based upon the available information, one water well (RA 05331) via the NMOSE was identified within a half-mile of the Site. However, the information regarding the well was noted to be lacking data from within the past 25 years. In an attempt to collect current information from the well, EOG

requested permission from the well/property owner (Howell Ranch) to conduct depth-to-groundwater measurement activities. Access to the well for measurement purposes was temporarily denied by the well/property owner due to concerns of equipment damage from winter weather conditions. Representatives for the well/property owner also raised concerns that the deep completion of the well (approximately 460 feet) could possibly not accurately represent shallower water bearing zones in the area.

Upon further review of data available through the online USGS and NMOSE, one water well (USGS 324041104294801) located outside of the half-mile radius was identified approximately 0.8 miles south of the Site. The information available notes the completion of the water well to a shallower depth of approximately 140 feet below ground surface (bgs). Depth to groundwater information from the water well is available as recent as 2012, and indicates that the depth to groundwater in the area is approximately 119 feet bgs.

Based on the available information, depth to groundwater is believed to be greater than 100 feet below ground surface (bgs).

Due to the lack of recent (<25 years old) depth to groundwater data within a one-half mile radius of the subject site, and due to the probability that the depth-to-groundwater is greater than 100 feet bgs, EOG plans on installing a soil boring/temporary well within a half-mile of the Site in order to obtain site-specific depth to groundwater data. The soil boring/temporary well will be installed and will be left open for approximately 72 hours prior to plugging in order to obtain depth to groundwater data. The temporary well will then be plugged and abandoned.

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

2.2 Wellhead Protection Area

Based upon data available through the online USGS and NMOSE, one water well (RA 05331) was identified within a half-mile of the Site. The location of the water well is presented on the attached Water Well Location Map.

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 Regulatory Criteria

Based on current Site characterization details, remediation activities at the Site would require cleanup to the Table 1 NMAC 19.15.29.12 (depth to groundwater < 50’) criteria. However, upon

completion of the proposed soil boring/temporary well installation process, it is anticipated that Table 1 NMAC 19.15.29.12 (depth to groundwater >100') criteria will be applicable for the Site. During the assessment activities completed at the Site to date, Table 1 NMAC 19.15.29.12 (depth to groundwater <50') standards was utilized as the target criteria. It should be noted, the attached soil analytical results are compared to the Table 1 NMAC 19.15.29.12 (depth to groundwater >100') criteria.

3.0 SITE ASSESSMENT

3.1 September 2, 2021 – Initial Site Assessment

On September 2, 2021, Ranger personnel and representatives for EOG mobilized to the Site to conduct assessment activities of the reported area. The assessment process included the installation of test excavations with the collection of soil samples for laboratory analysis. To assess conditions of the area, a total of 19 test excavations/sample points were completed ("TH-1" through "TH-19") to a maximum depth of approximately 14 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.

The field chloride titrations indicated that elevated soil chloride concentrations were present in 13 of the test excavation locations. Additionally, elevated OVM readings were encountered in three of the test excavation locations.

During the assessment process, Ranger personnel collected multiple soil samples from each test excavation location for laboratory analysis purposes. A total of 44 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.

Upon review of the laboratory analytical sample results, various exceedances of the most stringent NMAC 19.15.29 Table 1 criteria were documented. Samples collected from 15 of the 19 locations were noted to have elevated chloride concentrations. Additionally, samples from six of the test excavation locations were noted to have elevated TPH (GRO+DRO+MRO) concentrations. No elevated BTEX concentrations were documented in the samples collected from the test excavation locations.

A comprehensive site map depicting the test excavation/sample locations is attached. The soil sample analytical results are summarized in the attached soil analytical table. A copy of the laboratory analytical report is also attached.

3.2 December 20-21, 2021 – Additional Assessment

Based on the observed impacts documented during the September 2021 assessment activities, additional assessment activities were necessary to properly delineate the impacts at the location. On December 20th and 21st, 2021, Ranger personnel and representatives for EOG conducted

additional assessment activities at the Site. Once again, the assessment activities included the installation of test excavations with the collection of soil samples for laboratory analysis.

The primary objective of the December 2021 assessment activities was to assist in the horizontal delineation of impacts in the area. An additional 16 test excavations were completed at the Site to a maximum depth of approximately four feet bgs. During the installation process, Ranger personnel once again conducted field screening of the generated soils using an OVM and a field chloride titration kit to assist in evaluating the soil conditions and/or levels of impacts in the area.

Soil samples for laboratory analysis were collected from each test excavation at various depth intervals in order to assist in delineating the elevated chloride concentrations. A total of 32 soil samples were collected for laboratory analysis. Upon collection, the soil samples were submitted to Hall Environmental in Albuquerque, New Mexico for analysis of TPH, BTEX, and chloride using the aforementioned laboratory methods. The samples were collected and managed using standard QA/QC and chain-of-custody procedures.

Upon review of the soil sample analytical results, samples from four of the test excavations were documented to have elevated chloride concentrations. Additionally, samples from five of the test excavations were noted to have elevated TPH (GRO+DRO+MRO) concentrations. No elevated BTEX concentrations were detected in the samples collected during the December 2021 assessment activities.

A comprehensive site map depicting the test excavation/sample locations is attached. 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 January 11, 2022 – Additional Site Assessment

On January 11, 2022, Ranger personnel and representatives for EOG returned to the site to conduct additional assessment activities. Based on the laboratory analytical results of the samples collected during the December 2021 assessment process, additional sampling data was necessary in order to properly delineate the horizontal impacts at the Site.

The primary objective of the January 2022 assessment activities was to assist in the horizontal delineation of impacts in the area. An additional six test excavations were completed at various locations at the Site to a maximum depth of approximately four feet bgs. During the installation process, Ranger personnel once again conducted field screening of the generated soils using an OVM and a field chloride titration kit to assist in evaluating the soil conditions and/or levels of impacts in the area.

Soil samples were collected for laboratory analysis from each test excavation at various depth intervals in order to assist in delineating the elevated chloride concentrations. A total of 12 soil samples were collected for laboratory analysis. Upon collection, the soil samples were submitted to Hall Environmental in Albuquerque, New Mexico for analysis of TPH, BTEX, and chloride using the aforementioned laboratory methods. The samples were collected and managed using standard QA/QC and chain-of-custody procedures.

Upon review of the soil sample analytical results, one of the 12 samples collected for laboratory analysis was documented to have an elevated chloride concentrations. The remaining 11 samples were documented to have chloride concentrations with the most stringent Table 1

criteria. No elevated TPH or BTEX concentrations were documented in the samples collected during the January 2022 assessment activities.

A comprehensive site map depicting the test excavation/sample locations is attached. The soil sample analytical results are summarized in the attached soil analytical table. A copy of the laboratory analytical report is also attached.

3.4 Proposed Depth-to-Groundwater Investigation

As summarized in Section 2.1, due to the lack of recent (<25 years old) depth to groundwater data within a one-half mile radius of the Site and the possibility that the depth-to-groundwater may be greater than 100 feet bgs, EOG plans on installing a soil boring/temporary well within a half-mile of the Site in order to obtain site-specific depth to groundwater data. The soil boring/ temporary well will be installed and will be completed to a depth of approximately 105' bgs. Upon completion the soil boring/temporary well will be left open for approximately 72 hours prior to plugging in order to obtain depth to groundwater data. The temporary well will then be properly plugged and abandoned.

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

4.0 PROPOSED REMEDIATION PLAN

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

5.0 SCHEDULE

The proposed soil boring/temporary well is currently being coordinated and once a schedule is set, an update will provided to the NMOCD. An updated Site Assessment/Characterization Report and Remediation Plan will be prepared following completion of the proposed depth-to-groundwater investigation activities. It is estimated that the updated Site Assessment/ Characterization Report and Remediation Plan can be prepared and submitted 45 days after the completion of the proposed depth-to-groundwater investigation activities.

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	nAPP2127158905
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)* nAPP2127158905
Contact mailing address 104 S. 4th Street, Artesia, NM 88210	

Location of Release Source

Latitude 32.68959 Longitude -104.49939
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Nicholas BJ Battery	Site Type Battery
Date Release Discovered 9/21/2021	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
I	5	19S	25E	Eddy

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

Nature and Volume of Release

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

☐ 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.

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Oil Conservation Division

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

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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.

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

Printed Name: _____ Title: _____

Signature:_____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

State of New Mexico
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Remediation Plan

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

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

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

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

☐ Extents of contamination must be fully delineated.

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

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Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

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Closure

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

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

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

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

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

☐ Description of remediation activities

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

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: 52547
	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

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Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release? ***The depth to groundwater still has to be confirmed via the installation of a temporary monitoring well. This plan has been submitted based upon the assumption that the depth to groundwater is greater than 100'. EOG will be proceeding with the installation of the temporary monitor well in order to confirm the site-specific depth to groundwater.***	>100' (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☒ Yes ☐ No

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

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

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

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

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

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

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

Signature: Chase Settle Date: 03/18/2022

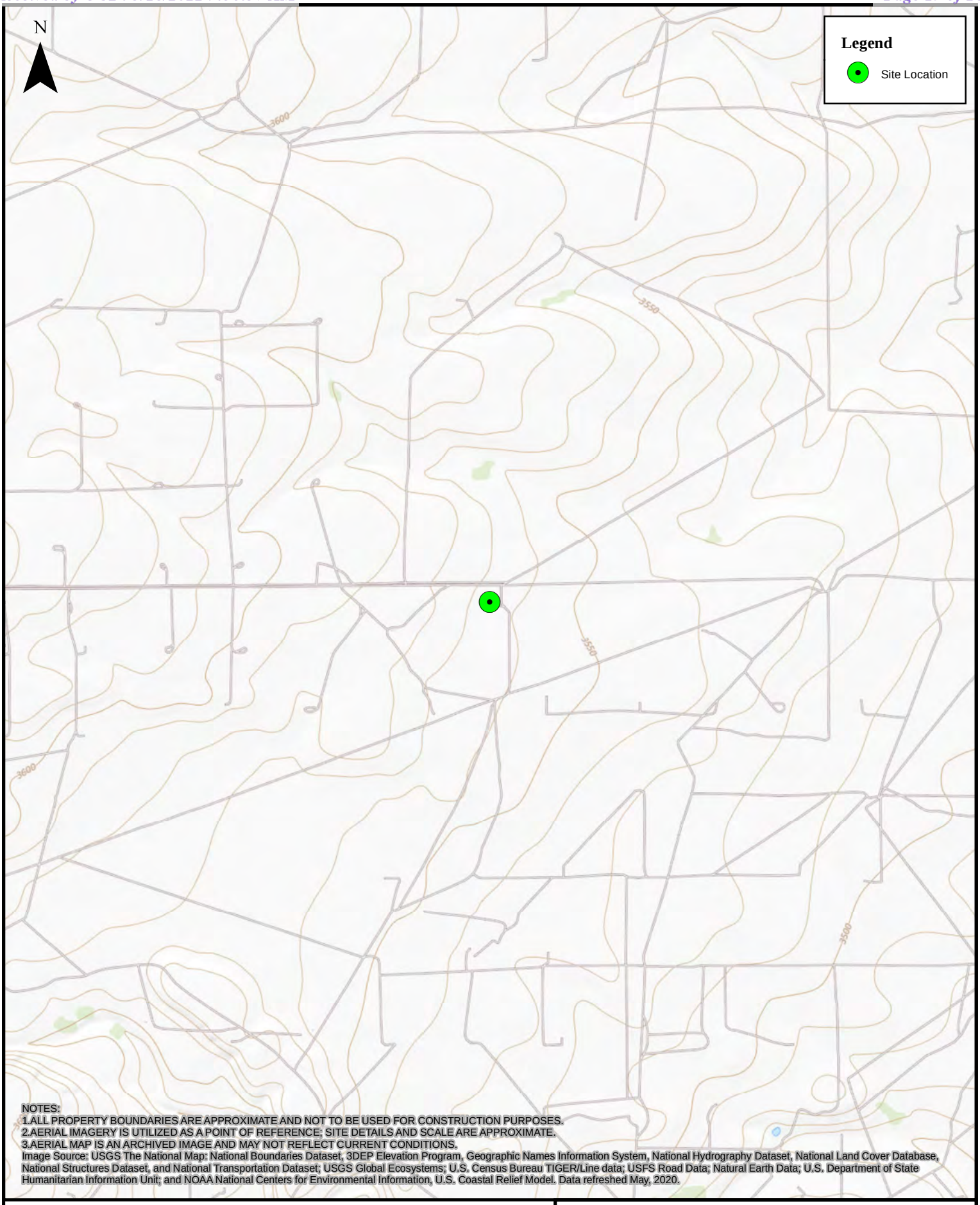
email: Chase_Settle@eogresources.com Telephone: 575-748-1471

OCD Only

Received by: _____ Date: _____

FIGURES

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



NOTES:
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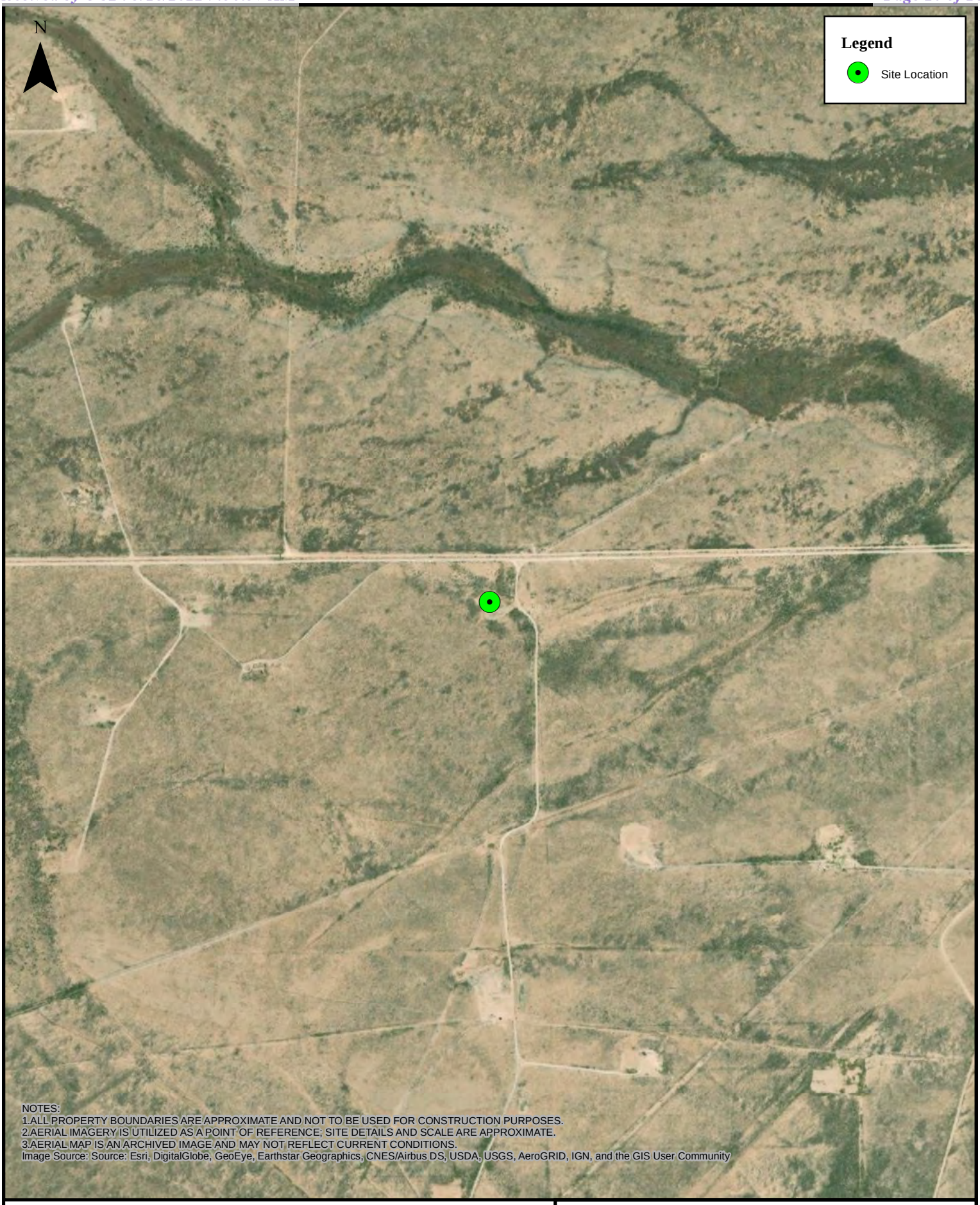
2.AERIAL IMAGERY IS UTILIZED AS A POINT OF REFERENCE; SITE DETAILS AND SCALE ARE APPROXIMATE.
3.AERIAL MAP IS AN ARCHIVED IMAGE AND MAY NOT REFLECT CURRENT CONDITIONS.
Image Source: USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National 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
Nicholas BJ Battery
EOG Resources, Inc.

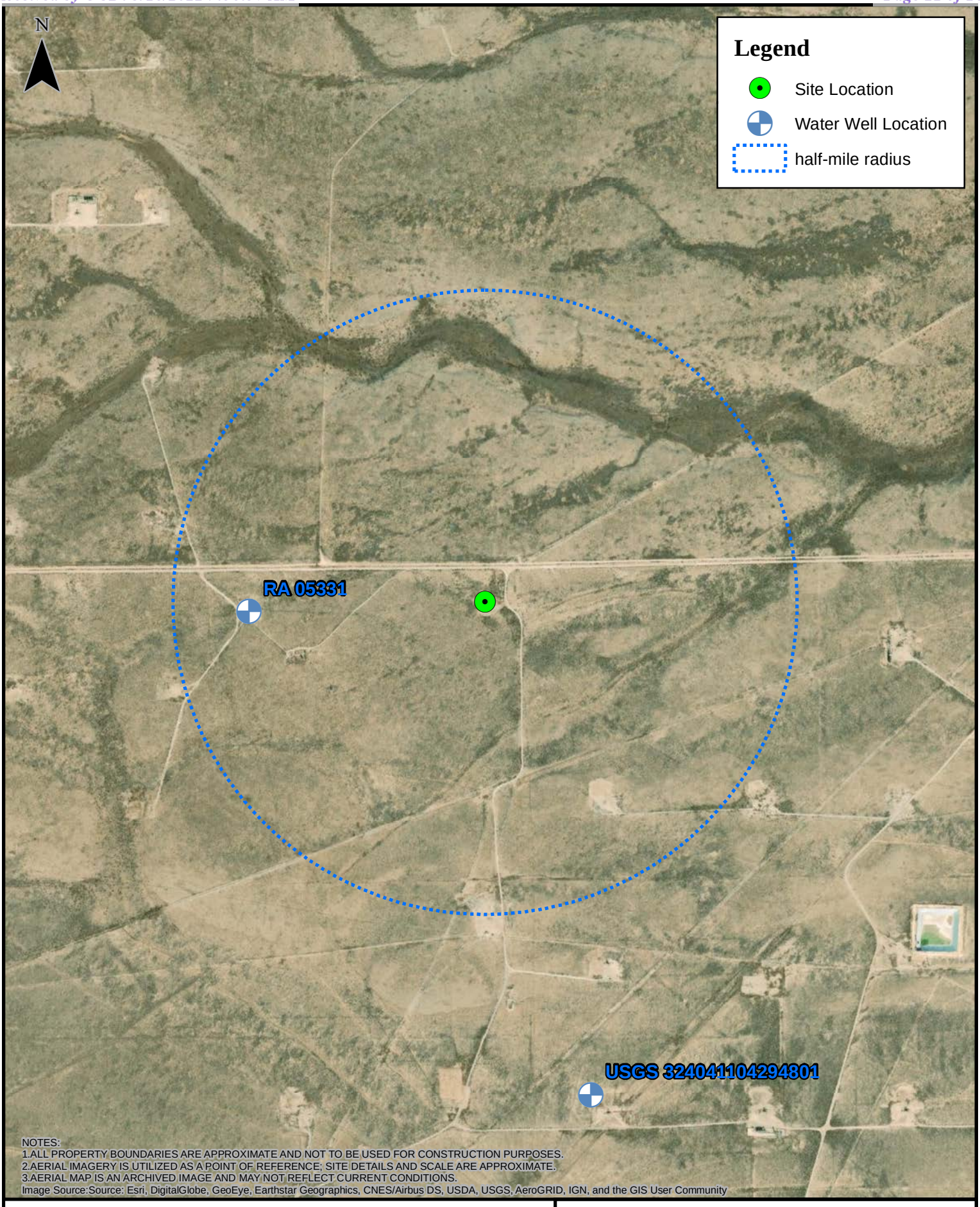


RANGER ENVIRONMENTAL SERVICES, INC.

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

1:10,000

Area Map
Nicholas BJ Battery
EOG Resources, Inc.



RANGER ENVIRONMENTAL SERVICES, INC.

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

1:12,500

Water Well Location Map

Nicholas BJ Battery
EOG Resources, Inc.

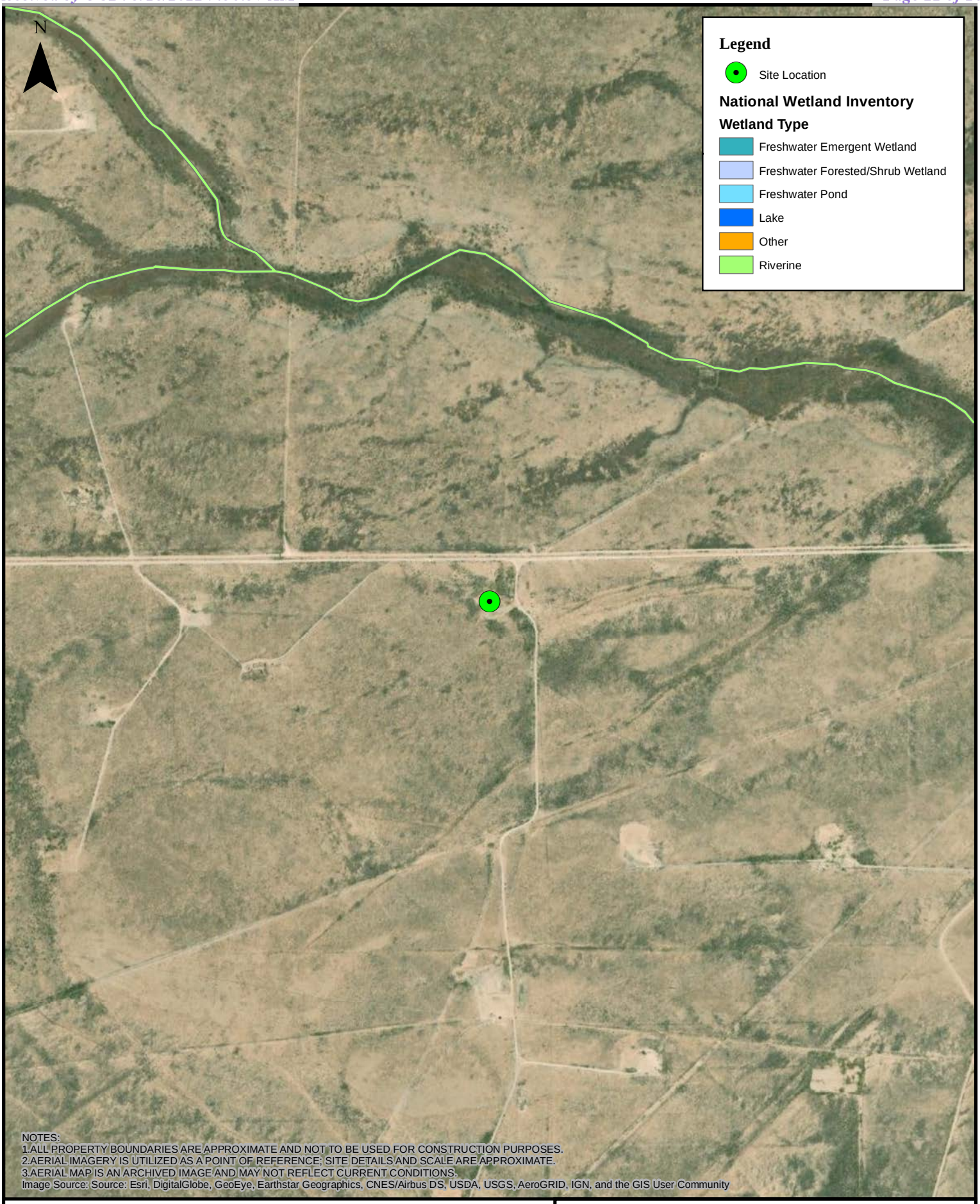


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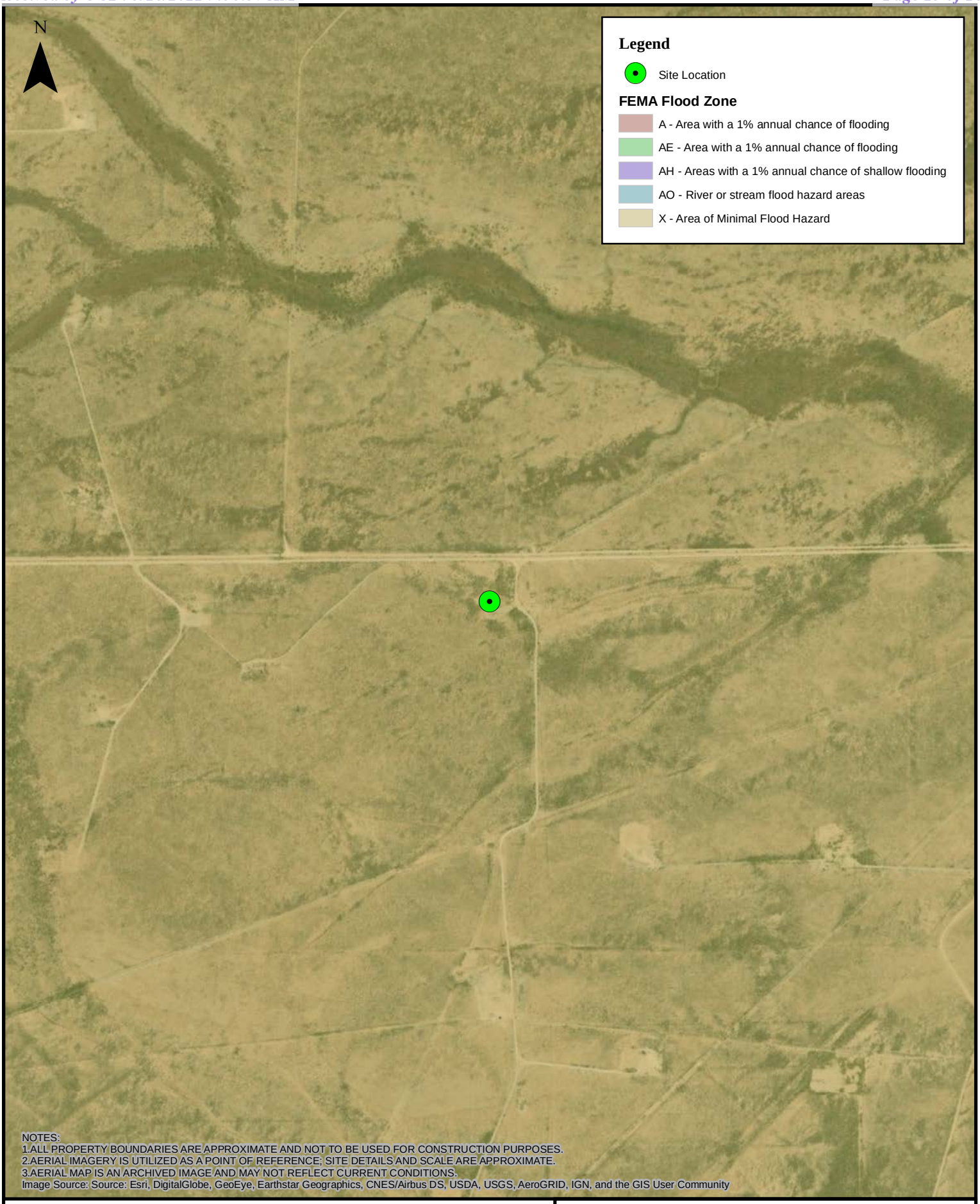
Image Source: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

RANGER ENVIRONMENTAL SERVICES, INC.

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

1:10,000

National Wetland Inventory Map
Nicholas BJ Battery
EOG Resources, Inc.



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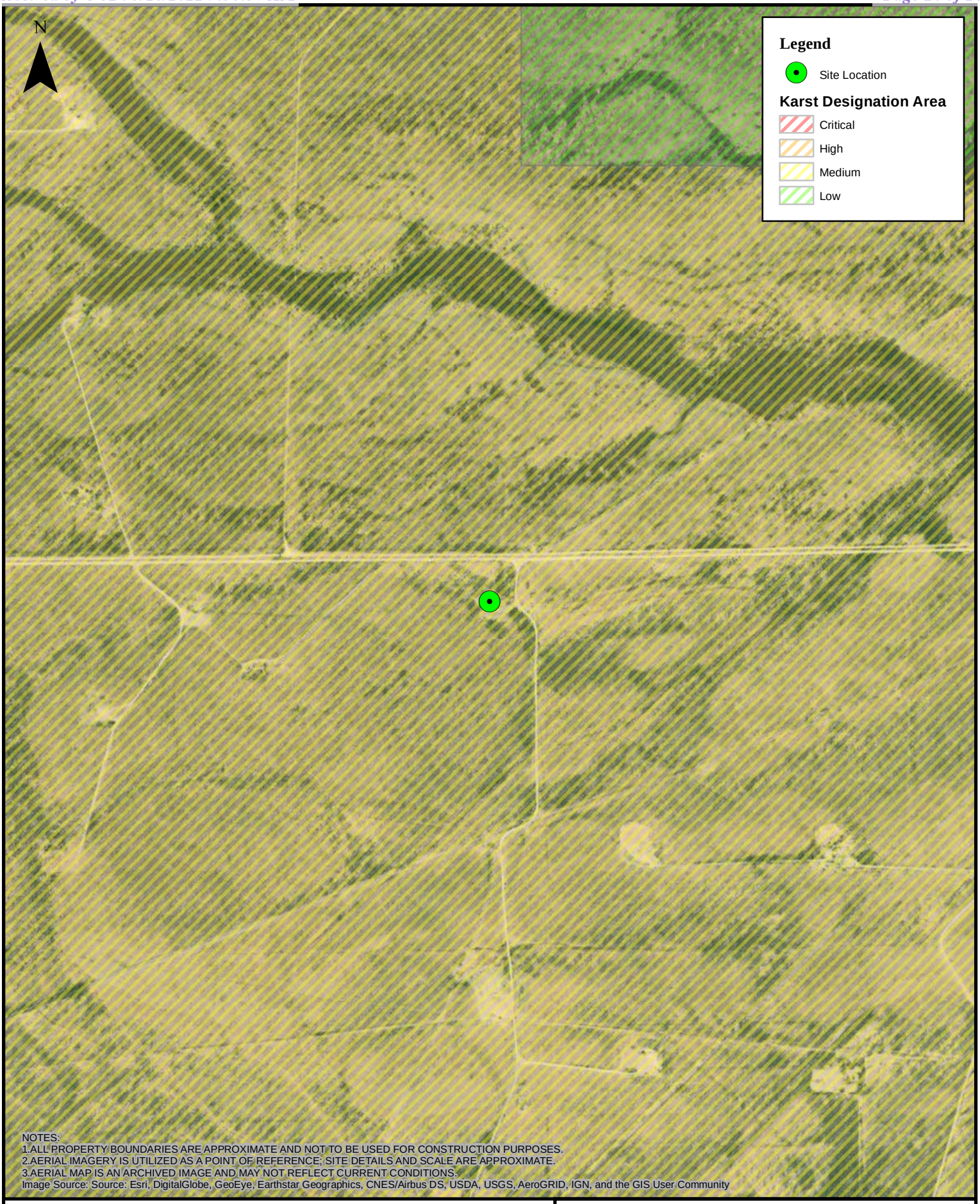
RANGER ENVIRONMENTAL SERVICES, INC.

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

1:10,000

FEMA Floodplain Map
Nicholas BJ Battery
EOG Resources, Inc.



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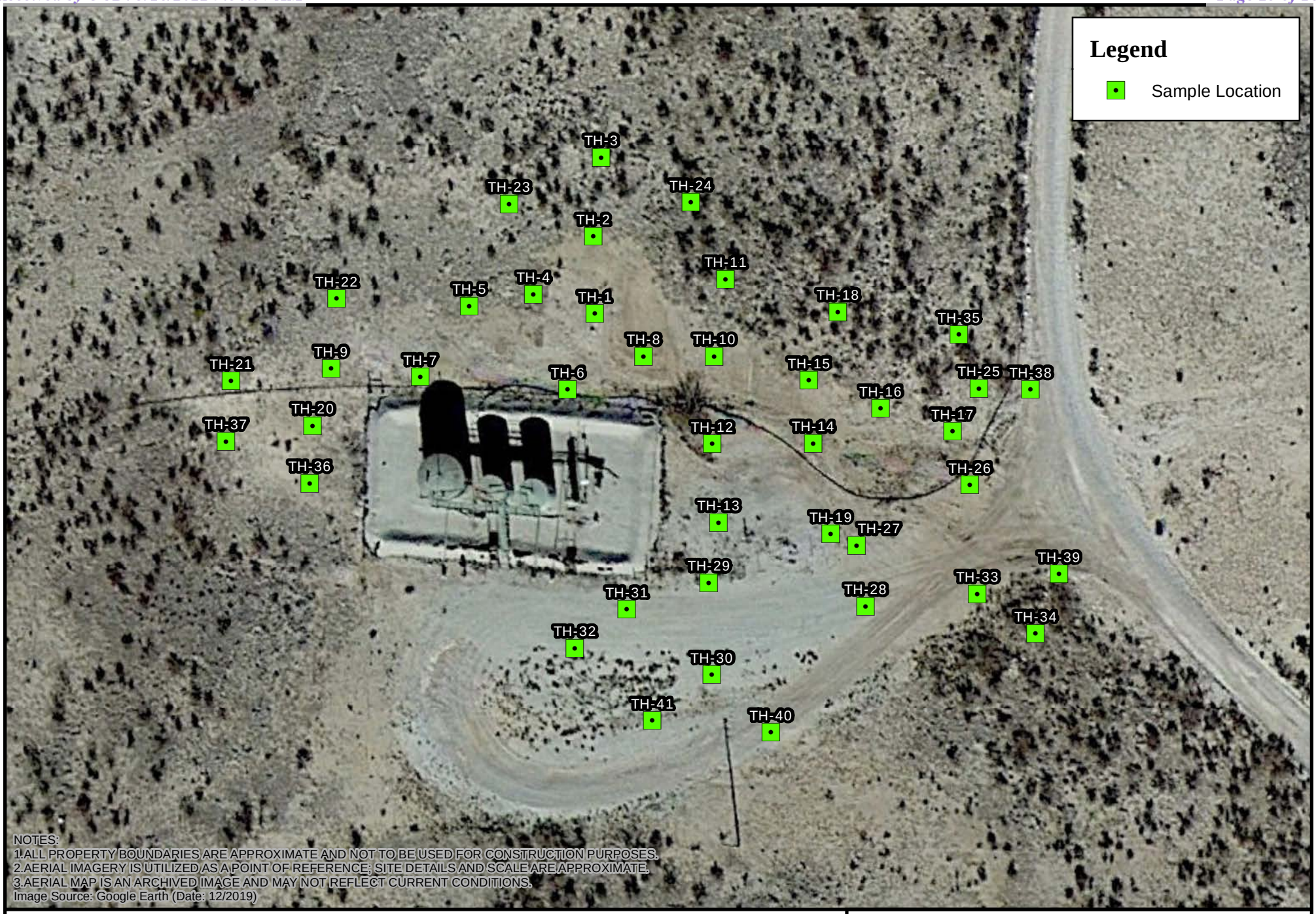
RANGER ENVIRONMENTAL SERVICES, INC.

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

1:10,000

Karst Topography Map
Nicholas BJ Battery
EOG Resources, Inc.



RANGER ENVIRONMENTAL SERVICES, INC.

0 12.5 25 50 75 100 Feet

1:500

N

Assessment Sample Location Map
Nicholas BJ Battery
EOG Resouces, 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.
NICHOLAS BJ BATTERY

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
Initial Site Assessment - Spetember 2, 2021													
TH-1/3'	9/2/2021	3'	<0.12	<0.24	<0.24	<0.47	<0.47	78	10,000	9,200	**10,078**	**19,200**	**4,200**
TH-1/8'	9/2/2021	8'	<0.12	<0.25	<0.25	2.0	2.0	140	2,000	1,300	**2,140**	**3,440**	8,800
TH-1/14'	9/2/2021	14'	<0.023	<0.047	<0.047	<0.094	<0.09	<4.7	<9.6	<48	<9.6	<48	13,000
TH-2/1'	9/2/2021	1'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.9	<50	<9.9	<50	**5,500**
TH-2/10'	9/2/2021	10'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	<9.5	<48	<9.5	<48	3,000
TH-2/14'	9/2/2021	14'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.7	<49	<9.7	<49	3,000
TH-3/Surface	9/2/2021	0'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	<9.7	<48	<9.7	<48	<60
TH-3/4'	9/2/2021	4'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.3	<47	<9.3	<47	<60
TH-4/2'	9/2/2021	2'	<0.023	<0.047	<0.047	<0.093	<0.09	<4.7	<9.5	<47	<9.5	<47	<59
TH-4/8'	9/2/2021	8'	<0.023	<0.046	<0.046	<0.092	<0.09	<4.6	<9.9	<49	<9.9	<49	5,400
TH-4/14'	9/2/2021	14'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<9.4	<47	<9.4	<47	11,000
TH-5/Surface	9/2/2021	0'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<9.2	<46	<9.2	<46	<60
TH-5/4'	9/2/2021	4'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<9.7	<48	<9.7	<48	<60
TH-6/2'	9/2/2021	2'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.3	<47	<9.3	<47	**2,200**
TH-6/8'	9/2/2021	8'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<8.9	<45	<8.9	<45	5,500
TH-6/14'	9/2/2021	14'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.8	<49	<9.8	<49	6,600
TH-7/Surface	9/2/2021	0'	<0.024	<0.047	<0.047	<0.094	<0.09	<4.7	<9.4	<47	<9.4	<47	<60
TH-7/4'	9/2/2021	4'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<8.3	<41	<8.3	<41	3,000
TH-8/Surface	9/2/2021	0'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.6	<48	<9.6	<48	**17,000**
TH-8/4'	9/2/2021	4'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.8	<49	<9.8	<49	5,500
TH-8/14'	9/2/2021	14'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<9.2	<46	<9.2	<46	4,800
TH-9/Surface	9/2/2021	0'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<9.2	<46	<9.2	<46	<60
TH-9/4'	9/2/2021	4'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<9.6	<48	<9.6	<48	1,600
TH-10/Surface	9/2/2021	0'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.9	<49	<9.9	<49	**17,000**
TH-10/4'	9/2/2021	4'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<9.5	<48	<9.5	<48	110
TH-10/10'	9/2/2021	10'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<9.7	<48	<9.7	<48	730
TH-11/Surface	9/2/2021	0'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<9.7	<48	<9.7	<48	<60
TH-11/4'	9/2/2021	4'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<9.8	<49	<9.8	<49	<60
TH-12/2'	9/2/2021	2'	<0.048	<0.097	<0.097	<0.19	<0.19	39	47,000	42,000	**47,000**	**89,039**	540
TH-12/14'	9/2/2021	14'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<9.8	<49	<9.8	<49	6,700
TH-13/Surface	9/2/2021	0'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	540	2,900	540	**3,440**	320
TH-13/4'	9/2/2021	4'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	12	66	12	78	1,600
TH-14/Surface	9/2/2021	0'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<9.6	<48	<9.6	<48	**11,000**
TH-14/4'	9/2/2021	4'	<0.023	<0.047	<0.047	<0.094	<0.09	<4.7	<9.9	<50	<9.9	<50	5,700
TH-15/Surface	9/2/2021	0'	<0.023	<0.047	<0.047	<0.094	<0.09	<4.7	<9.2	<46	<9.2	<46	<60
TH-15/4'	9/2/2021	4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<10	<50	<10	<50	2,500
TH-16/Surface	9/2/2021	0'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	16	120	16	**136**	<60
TH-16/4'	9/2/2021	4'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.5	<48	<9.5	<48	1,100
TH-17/Surface	9/2/2021	0'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	63	310	63	**373**	<60
TH-17/4'	9/2/2021	4'	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	<9.6	<48	<9.6	<48	1,100
TH-18/Surface	9/2/2021	0'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.9	<49	<9.9	<49	<60
TH-18/4'	9/2/2021	4'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.6	<48	<9.6	<48	140
TH-19/Surface	9/2/2021	0'	<0.024	<0.047	<0.047	<0.094	<0.09	<4.7	120	510	120	**630**	140
TH-19/4'	9/2/2021	4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.3	<47	<9.3	<47	3,100

SOIL BTEX (EPA 8021), TPH (SW 8015) & CHLORIDE (EPA 300) ANALYTICAL DATA
EOG RESOURCES, INC.
NICHOLAS BJ BATTERY

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
Site Assessment - December 20-21, 2021													
TH-20/0	12/20/2021	0'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	41	150	41	**191**	<60
TH-20/4	12/20/2021	4'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.6	<48	<9.6	<48	160
TH-21/0	12/20/2021	0'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	<9.6	<48	<9.6	<48	<60
TH-21/4	12/20/2021	4'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	<9.4	<47	<9.4	<47	79
TH-22/0	12/20/2021	0'	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	<9.5	<47	<9.5	<47	<61
TH-22/4	12/20/2021	4'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<9.2	<46	<9.2	<46	81
TH-23/0	12/20/2021	0'	<0.023	<0.047	<0.047	<0.093	<0.09	<4.7	<9.9	<49	<9.9	<49	<60
TH-23/4	12/20/2021	4'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<9.5	<48	<9.5	<48	100
TH-24/0	12/20/2021	0'	<0.024	<0.047	<0.047	<0.094	<0.09	<4.7	<10	<51	<10	<51	<60
TH-24/4	12/20/2021	4'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	<9.0	<45	<9.0	<45	<60
TH-25/0	12/20/2021	0'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	86	430	86	**520**	<60
TH-25/4	12/20/2021	4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.2	<46	<9.2	<46	<60
TH-26/0	12/20/2021	0'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	33	150	33	**188**	<60
TH-26/4	12/20/2021	4'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<10	<50	<10	<50	700
TH-27/4	12/20/2021	4'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.1	<46	<9.1	<46	**2,100**
TH-27/8	12/20/2021	8'	<0.024	<0.047	<0.047	<0.094	<0.09	<4.7	<9.0	<45	<9.0	<45	520
TH-28/0	12/20/2021	0'	<0.023	<0.046	<0.046	<0.092	<0.09	<4.6	<8.5	<43	<8.5	<43	94
TH-28/4	12/20/2021	4'	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	<9.5	<47	<9.5	<47	120
TH-29/4	12/21/2021	4'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<9.2	<46	<9.2	<46	**1,400**
TH-29/9	12/21/2021	9'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.0	<45	<9.0	<45	700
TH-30/0	12/21/2021	0'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	86	290	86	**376**	<60
TH-30/4	12/21/2021	4'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<9.8	<49	<9.8	<49	750
TH-31/0	12/21/2021	0'	<0.024	<0.047	<0.047	<0.094	<0.09	<4.7	53	210	53	**263**	**800**
TH-31/4	12/21/2021	4'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<10	<50	<10	<50	510
TH-32/0	12/21/2021	0'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.9	<49	<9.9	<49	<60
TH-32/4	12/21/2021	4'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	<9.9	<50	<9.9	<50	120
TH-33/3	12/21/2021	3'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.9	<50	<9.9	<50	**610**
TH-33/6	12/21/2021	6'	<0.024	<0.047	<0.047	<0.094	<0.09	<4.7	<9.8	<49	<9.8	<49	630
TH-34/0	12/21/2021	0'	<0.023	<0.046	<0.046	<0.092	<0.09	<4.6	11	54	11	65	<60
TH-34/4	12/21/2021	4'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<10	<50	<10	<50	100
TH-35/0	12/21/2021	0'	<0.023	<0.046	<0.046	<0.091	<0.09	<4.6	<9.7	<48	<9.7	<48	<60
TH-35/4	12/21/2021	4'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<9.6	<48	<9.6	<48	<60
Site Assessment - January 11, 2022													
TH-36/0	1/11/2022	0'	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	<9.4	<47	<9.4	<47	<60
TH-36/4	1/11/2022	4'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.8	<49	<9.8	<49	81
TH-37/0	1/11/2022	0'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<9.2	<46	<9.2	<46	<60
TH-37/4	1/11/2022	4'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<10	<50	<10	<50	79
TH-38/1	1/11/2022	1'	<0.024	<0.047	<0.047	<0.094	<0.09	<4.7	<9.7	<49	<9.7	<49	350
TH-38/4	1/11/2022	4'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<9.9	<50	<9.9	<50	440
TH-39/1	1/11/2022	1'	<0.023	<0.046	<0.046	<0.092	<0.09	<4.6	<9.3	<47	<9.3	<47	<60
TH-39/4	1/11/2022	4'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.7	<49	<9.7	<49	890
TH-40/0	1/11/2022	0'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<8.8	<44	<8.8	<44	<60
TH-40/4	1/11/2022	4'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<9.0	<45	<9.0	<45	87
TH-41/0	1/11/2022	0'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<9.4	<47	<9.4	<47	<61
TH-41/4	1/11/2022	4'	<0.024	<0.047	<0.047	<0.094	<0.09	<4.7	<9.0	<45	<9.0	<45	95
19.15.29.12 NMAC Table 1 Closure Criteria for Soils Impacted by a Release (GW >100')			**10**	**---**	**---**	**---**	**50**	**---**	**---**	**---**	**1,000**	**2,500**	**20,000**
19.15.29.13 NMAC Reclamation Criteria (0'-4' Soils Only)			**10[3]**	**---**	**---**	**---**	**50[3]**	**---**	**---**	**---**	**---**	**100[3]**	**600**

Notes:

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

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

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

ATTACHMENT 1 – DEPTH-TO-GROUNDWATER DATA

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 =

- 324041104294801

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

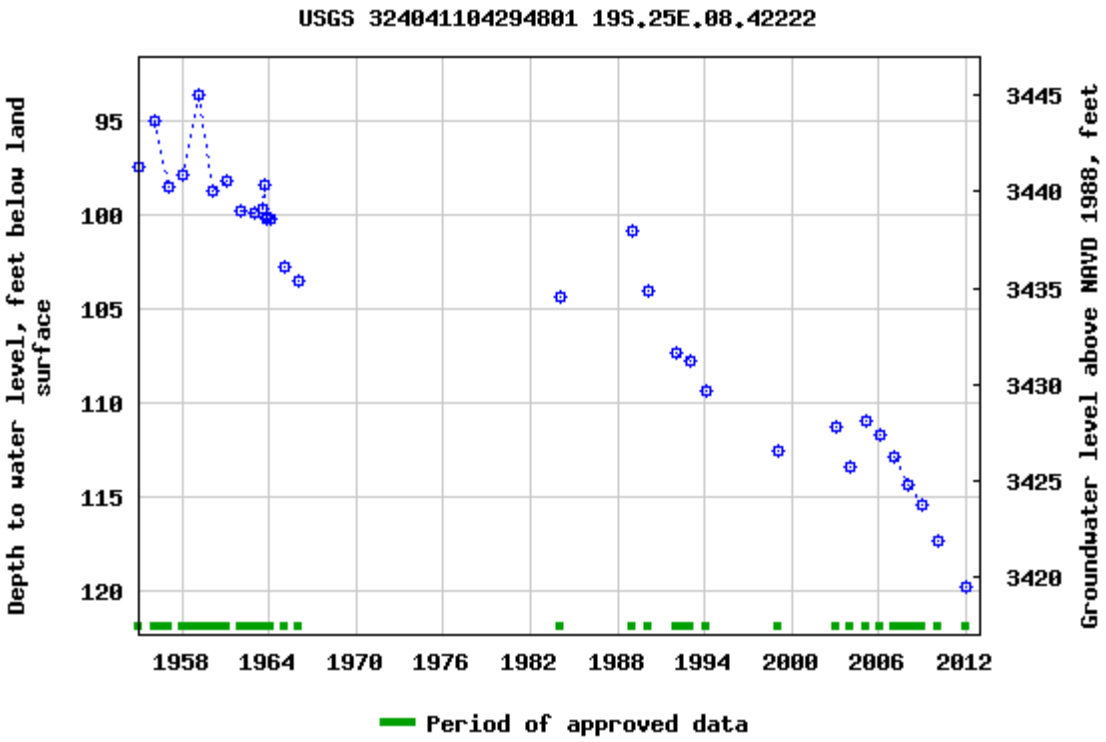
USGS 324041104294801 19S.25E.08.42222

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

Eddy County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°40'41", Longitude 104°29'48" NAD27
Land-surface elevation 3,539 feet above NAVD88
The depth of the well is 142 feet below land surface.
This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) 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: 2022-03-14 13:05:48 EDT
0.71 0.59 nadww01

New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	RA 05331	1	1	4	05	19S	25E	546308	3616955*

Driller License: 353 **Driller Company:** OSBOURN DRILLING & PUMP CO.

Driller Name:

Drill Start Date: 04/05/1967 **Drill Finish Date:** 04/13/1967 **Plug Date:**

Log File Date: 04/17/1967 **PCW Rcv Date:** **Source:** Shallow

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

Casing Size: 5.50 **Depth Well:** 460 feet **Depth Water:** 305 feet

Water Bearing Stratifications:	Top	Bottom	Description
	328	364	Limestone/Dolomite/Chalk
	398	440	Other/Unknown

Casing Perforations:	Top	Bottom
	400	440

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

ATTACHMENT 2 – PHOTOGRAPHIC DOCUMENTATION

PHOTOGRAPH NO. 1 – A general view of the reported area north of the tank battery on September 2, 2021. The view is towards the west.

(Approximate GPS: 32.689592, -104.499407)

PHOTOGRAPH NO. 2 – A general view of the reported area east of the tank battery on September 2, 2021. The view is towards the north.

(Approximate GPS: 32.689423, -104.499326)

PHOTOGRAPH NO. 3 – A view of the assessment activities on September 2, 2021 in the vicinity of test excavation "TH-6". The view is towards the west.

(Approximate GPS: 32.689571, -104.499451)

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 20, 2021

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

RE: Nicholas BJ 1 OrderNo.: 2109227

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 44 sample(s) on 9/4/2021 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 **2109227**
Date Reported: **9/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-1/3'
Project: Nicholas BJ 1
Collection Date: 9/2/2021 8:01:00 AM
Lab ID: 2109227-001 **Matrix:** SOIL **Received Date:** 9/4/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	4200	150		mg/Kg	50	9/10/2021 4:04:43 PM	62485
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	10000	480		mg/Kg	50	9/8/2021 1:18:38 PM	62434
Motor Oil Range Organics (MRO)	9200	2400		mg/Kg	50	9/8/2021 1:18:38 PM	62434
Surr: DNOP	0	70-130	S	%Rec	50	9/8/2021 1:18:38 PM	62434
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	78	24		mg/Kg	5	9/13/2021 4:13:33 PM	62430
Surr: BFB	155	70-130	S	%Rec	5	9/13/2021 4:13:33 PM	62430
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.12	D	mg/Kg	5	9/13/2021 4:13:33 PM	62430
Toluene	ND	0.24	D	mg/Kg	5	9/13/2021 4:13:33 PM	62430
Ethylbenzene	ND	0.24	D	mg/Kg	5	9/13/2021 4:13:33 PM	62430
Xylenes, Total	ND	0.47	D	mg/Kg	5	9/13/2021 4:13:33 PM	62430
Surr: 4-Bromofluorobenzene	89.7	70-130	D	%Rec	5	9/13/2021 4:13:33 PM	62430

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

Qualifiers:

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

Analytical Report
Lab Order **2109227**
Date Reported: **9/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-1/8'
Project: Nicholas BJ 1
Collection Date: 9/2/2021 8:11:00 AM
Lab ID: 2109227-002 **Matrix:** SOIL **Received Date:** 9/4/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**VP**
Chloride	8800	600		mg/Kg	200	9/10/2021 4:17:08 PM	62485
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**SB**
Diesel Range Organics (DRO)	2000	200		mg/Kg	20	9/8/2021 1:28:27 PM	62434
Motor Oil Range Organics (MRO)	1300	980		mg/Kg	20	9/8/2021 1:28:27 PM	62434
Surr: DNOP	0	70-130	S	%Rec	20	9/8/2021 1:28:27 PM	62434
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**
Gasoline Range Organics (GRO)	140	25		mg/Kg	5	9/13/2021 4:37:18 PM	62430
Surr: BFB	213	70-130	S	%Rec	5	9/13/2021 4:37:18 PM	62430
EPA METHOD 8021B: VOLATILES						Analyst:	**NSB**
Benzene	ND	0.12	D	mg/Kg	5	9/13/2021 4:37:18 PM	62430
Toluene	ND	0.25	D	mg/Kg	5	9/13/2021 4:37:18 PM	62430
Ethylbenzene	ND	0.25	D	mg/Kg	5	9/13/2021 4:37:18 PM	62430
Xylenes, Total	2.0	0.49	D	mg/Kg	5	9/13/2021 4:37:18 PM	62430
Surr: 4-Bromofluorobenzene	93.3	70-130	D	%Rec	5	9/13/2021 4:37:18 PM	62430

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

Qualifiers:

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

Analytical Report
Lab Order **2109227**
Date Reported: **9/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH-1/14'
Project: Nicholas BJ 1 **Collection Date:** 9/2/2021 8:19:00 AM
Lab ID: 2109227-003 **Matrix:** SOIL **Received Date:** 9/4/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	13000	600		mg/Kg	200	9/10/2021 4:29:33 PM	62485
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	9/8/2021 1:38:24 PM	62434
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/8/2021 1:38:24 PM	62434
Surr: DNOP	109	70-130		%Rec	1	9/8/2021 1:38:24 PM	62434
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	9/10/2021 1:06:00 PM	62430
Surr: BFB	93.8	70-130		%Rec	1	9/10/2021 1:06:00 PM	62430
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.023		mg/Kg	1	9/10/2021 1:06:00 PM	62430
Toluene	ND	0.047		mg/Kg	1	9/10/2021 1:06:00 PM	62430
Ethylbenzene	ND	0.047		mg/Kg	1	9/10/2021 1:06:00 PM	62430
Xylenes, Total	ND	0.094		mg/Kg	1	9/10/2021 1:06:00 PM	62430
Surr: 4-Bromofluorobenzene	84.4	70-130		%Rec	1	9/10/2021 1:06:00 PM	62430

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 **2109227**
Date Reported: **9/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-2/1'
Project: Nicholas BJ 1
Collection Date: 9/2/2021 8:28:00 AM
Lab ID: 2109227-004 **Matrix:** SOIL **Received Date:** 9/4/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	5500	300		mg/Kg	100	9/10/2021 4:41:57 PM	62485
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	9/8/2021 1:48:21 PM	62434
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	9/8/2021 1:48:21 PM	62434
Surr: DNOP	120	70-130		%Rec	1	9/8/2021 1:48:21 PM	62434
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/10/2021 2:05:00 PM	62430
Surr: BFB	99.4	70-130		%Rec	1	9/10/2021 2:05:00 PM	62430
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.025		mg/Kg	1	9/10/2021 2:05:00 PM	62430
Toluene	ND	0.049		mg/Kg	1	9/10/2021 2:05:00 PM	62430
Ethylbenzene	ND	0.049		mg/Kg	1	9/10/2021 2:05:00 PM	62430
Xylenes, Total	ND	0.099		mg/Kg	1	9/10/2021 2:05:00 PM	62430
Surr: 4-Bromofluorobenzene	83.9	70-130		%Rec	1	9/10/2021 2:05:00 PM	62430

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 **2109227**
Date Reported: **9/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-2/10'
Project: Nicholas BJ 1
Collection Date: 9/2/2021 8:50:00 AM
Lab ID: 2109227-005 **Matrix:** SOIL **Received Date:** 9/4/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	3000	150		mg/Kg	50	9/10/2021 4:54:22 PM	62485
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	9/8/2021 1:58:18 PM	62434
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/8/2021 1:58:18 PM	62434
Surr: DNOP	138	70-130	S	%Rec	1	9/8/2021 1:58:18 PM	62434
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	9/10/2021 2:25:00 PM	62430
Surr: BFB	97.5	70-130		%Rec	1	9/10/2021 2:25:00 PM	62430
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.024		mg/Kg	1	9/10/2021 2:25:00 PM	62430
Toluene	ND	0.047		mg/Kg	1	9/10/2021 2:25:00 PM	62430
Ethylbenzene	ND	0.047		mg/Kg	1	9/10/2021 2:25:00 PM	62430
Xylenes, Total	ND	0.095		mg/Kg	1	9/10/2021 2:25:00 PM	62430
Surr: 4-Bromofluorobenzene	86.4	70-130		%Rec	1	9/10/2021 2:25:00 PM	62430

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 **2109227**
Date Reported: **9/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH-2/14'
Project: Nicholas BJ 1 **Collection Date:** 9/2/2021 9:01:00 AM
Lab ID: 2109227-006 **Matrix:** SOIL **Received Date:** 9/4/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	3000	150		mg/Kg	50	9/10/2021 5:06:46 PM	62485
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	9/8/2021 2:08:14 PM	62434
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/8/2021 2:08:14 PM	62434
Surr: DNOP	124	70-130		%Rec	1	9/8/2021 2:08:14 PM	62434
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/10/2021 2:45:00 PM	62430
Surr: BFB	96.6	70-130		%Rec	1	9/10/2021 2:45:00 PM	62430
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.024		mg/Kg	1	9/10/2021 2:45:00 PM	62430
Toluene	ND	0.048		mg/Kg	1	9/10/2021 2:45:00 PM	62430
Ethylbenzene	ND	0.048		mg/Kg	1	9/10/2021 2:45:00 PM	62430
Xylenes, Total	ND	0.096		mg/Kg	1	9/10/2021 2:45:00 PM	62430
Surr: 4-Bromofluorobenzene	85.2	70-130		%Rec	1	9/10/2021 2:45:00 PM	62430

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 **2109227**
Date Reported: **9/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-3/Surface
Project: Nicholas BJ 1
Collection Date: 9/2/2021 9:10:00 AM
Lab ID: 2109227-007 **Matrix:** SOIL **Received Date:** 9/4/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	ND	60		mg/Kg	20	9/9/2021 3:47:25 PM	62485
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	9/8/2021 2:18:09 PM	62434
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/8/2021 2:18:09 PM	62434
Surr: DNOP	103	70-130		%Rec	1	9/8/2021 2:18:09 PM	62434
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	9/10/2021 3:05:00 PM	62430
Surr: BFB	94.8	70-130		%Rec	1	9/10/2021 3:05:00 PM	62430
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.024		mg/Kg	1	9/10/2021 3:05:00 PM	62430
Toluene	ND	0.047		mg/Kg	1	9/10/2021 3:05:00 PM	62430
Ethylbenzene	ND	0.047		mg/Kg	1	9/10/2021 3:05:00 PM	62430
Xylenes, Total	ND	0.095		mg/Kg	1	9/10/2021 3:05:00 PM	62430
Surr: 4-Bromofluorobenzene	83.9	70-130		%Rec	1	9/10/2021 3:05:00 PM	62430

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 **2109227**
Date Reported: **9/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-3/4'
Project: Nicholas BJ 1
Collection Date: 9/2/2021 9:29:00 AM
Lab ID: 2109227-008 **Matrix:** SOIL **Received Date:** 9/4/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**VP**
Chloride	ND	60		mg/Kg	20	9/9/2021 3:59:47 PM	62485
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**SB**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	9/8/2021 2:28:04 PM	62434
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	9/8/2021 2:28:04 PM	62434
Surr: DNOP	128	70-130		%Rec	1	9/8/2021 2:28:04 PM	62434
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**mb**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/10/2021 3:25:00 PM	62430
Surr: BFB	100	70-130		%Rec	1	9/10/2021 3:25:00 PM	62430
EPA METHOD 8021B: VOLATILES						Analyst:	**mb**
Benzene	ND	0.024		mg/Kg	1	9/10/2021 3:25:00 PM	62430
Toluene	ND	0.048		mg/Kg	1	9/10/2021 3:25:00 PM	62430
Ethylbenzene	ND	0.048		mg/Kg	1	9/10/2021 3:25:00 PM	62430
Xylenes, Total	ND	0.096		mg/Kg	1	9/10/2021 3:25:00 PM	62430
Surr: 4-Bromofluorobenzene	83.8	70-130		%Rec	1	9/10/2021 3:25:00 PM	62430

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 **2109227**
Date Reported: **9/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH-4/2'
Project: Nicholas BJ 1 **Collection Date:** 9/2/2021 9:52:00 AM
Lab ID: 2109227-009 **Matrix:** SOIL **Received Date:** 9/4/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	ND	59		mg/Kg	20	9/9/2021 4:12:09 PM	62485
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	9/8/2021 2:38:00 PM	62434
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	9/8/2021 2:38:00 PM	62434
Surr: DNOP	116	70-130		%Rec	1	9/8/2021 2:38:00 PM	62434
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	9/10/2021 3:45:00 PM	62430
Surr: BFB	93.0	70-130		%Rec	1	9/10/2021 3:45:00 PM	62430
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.023		mg/Kg	1	9/10/2021 3:45:00 PM	62430
Toluene	ND	0.047		mg/Kg	1	9/10/2021 3:45:00 PM	62430
Ethylbenzene	ND	0.047		mg/Kg	1	9/10/2021 3:45:00 PM	62430
Xylenes, Total	ND	0.093		mg/Kg	1	9/10/2021 3:45:00 PM	62430
Surr: 4-Bromofluorobenzene	84.0	70-130		%Rec	1	9/10/2021 3:45:00 PM	62430

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 **2109227**
Date Reported: **9/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH-4/8'
Project: Nicholas BJ 1 **Collection Date:** 9/2/2021 10:07:00 AM
Lab ID: 2109227-010 **Matrix:** SOIL **Received Date:** 9/4/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	5400	300		mg/Kg	100	9/10/2021 5:19:11 PM	62485
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	9/8/2021 2:47:53 PM	62434
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/8/2021 2:47:53 PM	62434
Surr: DNOP	107	70-130		%Rec	1	9/8/2021 2:47:53 PM	62434
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	9/10/2021 4:05:00 PM	62430
Surr: BFB	95.4	70-130		%Rec	1	9/10/2021 4:05:00 PM	62430
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.023		mg/Kg	1	9/10/2021 4:05:00 PM	62430
Toluene	ND	0.046		mg/Kg	1	9/10/2021 4:05:00 PM	62430
Ethylbenzene	ND	0.046		mg/Kg	1	9/10/2021 4:05:00 PM	62430
Xylenes, Total	ND	0.092		mg/Kg	1	9/10/2021 4:05:00 PM	62430
Surr: 4-Bromofluorobenzene	84.2	70-130		%Rec	1	9/10/2021 4:05:00 PM	62430

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 **2109227**
Date Reported: **9/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-4/14'
Project: Nicholas BJ 1
Collection Date: 9/2/2021 10:22:00 AM
Lab ID: 2109227-011 **Matrix:** SOIL **Received Date:** 9/4/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	11000	600		mg/Kg	200	9/10/2021 5:31:35 PM	62485
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	9/8/2021 2:57:46 PM	62434
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	9/8/2021 2:57:46 PM	62434
Surr: DNOP	95.0	70-130		%Rec	1	9/8/2021 2:57:46 PM	62434
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/10/2021 4:25:00 PM	62430
Surr: BFB	97.0	70-130		%Rec	1	9/10/2021 4:25:00 PM	62430
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.024		mg/Kg	1	9/10/2021 4:25:00 PM	62430
Toluene	ND	0.049		mg/Kg	1	9/10/2021 4:25:00 PM	62430
Ethylbenzene	ND	0.049		mg/Kg	1	9/10/2021 4:25:00 PM	62430
Xylenes, Total	ND	0.097		mg/Kg	1	9/10/2021 4:25:00 PM	62430
Surr: 4-Bromofluorobenzene	86.0	70-130		%Rec	1	9/10/2021 4:25:00 PM	62430

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

Qualifiers:

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

Analytical Report
Lab Order **2109227**
Date Reported: **9/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-5/Surface
Project: Nicholas BJ 1
Collection Date: 9/2/2021 10:30:00 AM
Lab ID: 2109227-012 **Matrix:** SOIL **Received Date:** 9/4/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**VP**
Chloride	ND	60		mg/Kg	20	9/9/2021 5:13:55 PM	62485
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**SB**
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	9/8/2021 3:07:38 PM	62434
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	9/8/2021 3:07:38 PM	62434
Surr: DNOP	72.9	70-130		%Rec	1	9/8/2021 3:07:38 PM	62434
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**mb**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/10/2021 4:45:00 PM	62430
Surr: BFB	94.8	70-130		%Rec	1	9/10/2021 4:45:00 PM	62430
EPA METHOD 8021B: VOLATILES						Analyst:	**mb**
Benzene	ND	0.024		mg/Kg	1	9/10/2021 4:45:00 PM	62430
Toluene	ND	0.049		mg/Kg	1	9/10/2021 4:45:00 PM	62430
Ethylbenzene	ND	0.049		mg/Kg	1	9/10/2021 4:45:00 PM	62430
Xylenes, Total	ND	0.097		mg/Kg	1	9/10/2021 4:45:00 PM	62430
Surr: 4-Bromofluorobenzene	85.0	70-130		%Rec	1	9/10/2021 4:45:00 PM	62430

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 **2109227**
Date Reported: **9/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-5/4'
Project: Nicholas BJ 1
Collection Date: 9/2/2021 10:49:00 AM
Lab ID: 2109227-013 **Matrix:** SOIL **Received Date:** 9/4/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	ND	60		mg/Kg	20	9/9/2021 5:26:17 PM	62485
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	9/9/2021 3:19:06 PM	62465
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/9/2021 3:19:06 PM	62465
Surr: DNOP	101	70-130		%Rec	1	9/9/2021 3:19:06 PM	62465
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/10/2021 5:05:00 PM	62430
Surr: BFB	99.6	70-130		%Rec	1	9/10/2021 5:05:00 PM	62430
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.025		mg/Kg	1	9/10/2021 5:05:00 PM	62430
Toluene	ND	0.049		mg/Kg	1	9/10/2021 5:05:00 PM	62430
Ethylbenzene	ND	0.049		mg/Kg	1	9/10/2021 5:05:00 PM	62430
Xylenes, Total	ND	0.098		mg/Kg	1	9/10/2021 5:05:00 PM	62430
Surr: 4-Bromofluorobenzene	85.2	70-130		%Rec	1	9/10/2021 5:05:00 PM	62430

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 **2109227**
Date Reported: **9/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-6/2'
Project: Nicholas BJ 1
Collection Date: 9/2/2021 11:07:00 AM
Lab ID: 2109227-014 **Matrix:** SOIL **Received Date:** 9/4/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	2200	150		mg/Kg	50	9/10/2021 5:44:00 PM	62485
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	9/9/2021 10:04:09 PM	62445
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	9/9/2021 10:04:09 PM	62445
Surr: DNOP	114	70-130		%Rec	1	9/9/2021 10:04:09 PM	62445
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/9/2021 10:14:03 PM	62435
Surr: BFB	99.0	70-130		%Rec	1	9/9/2021 10:14:03 PM	62435
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	9/9/2021 10:14:03 PM	62435
Toluene	ND	0.048		mg/Kg	1	9/9/2021 10:14:03 PM	62435
Ethylbenzene	ND	0.048		mg/Kg	1	9/9/2021 10:14:03 PM	62435
Xylenes, Total	ND	0.096		mg/Kg	1	9/9/2021 10:14:03 PM	62435
Surr: 4-Bromofluorobenzene	91.6	70-130		%Rec	1	9/9/2021 10:14:03 PM	62435

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 **2109227**
Date Reported: **9/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-6/8'
Project: Nicholas BJ 1
Collection Date: 9/2/2021 11:28:00 AM
Lab ID: 2109227-015 **Matrix:** SOIL **Received Date:** 9/4/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	5500	300		mg/Kg	100	9/13/2021 11:53:07 AM	62485
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	9/9/2021 10:14:16 PM	62445
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	9/9/2021 10:14:16 PM	62445
Surr: DNOP	103	70-130		%Rec	1	9/9/2021 10:14:16 PM	62445
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/9/2021 10:37:36 PM	62435
Surr: BFB	97.3	70-130		%Rec	1	9/9/2021 10:37:36 PM	62435
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	9/9/2021 10:37:36 PM	62435
Toluene	ND	0.049		mg/Kg	1	9/9/2021 10:37:36 PM	62435
Ethylbenzene	ND	0.049		mg/Kg	1	9/9/2021 10:37:36 PM	62435
Xylenes, Total	ND	0.098		mg/Kg	1	9/9/2021 10:37:36 PM	62435
Surr: 4-Bromofluorobenzene	89.2	70-130		%Rec	1	9/9/2021 10:37:36 PM	62435

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 **2109227**
Date Reported: **9/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-6/14'
Project: Nicholas BJ 1
Collection Date: 9/2/2021 11:39:00 AM
Lab ID: 2109227-016 **Matrix:** SOIL **Received Date:** 9/4/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	6600	300		mg/Kg	100	9/13/2021 12:05:31 PM	62485
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	9/9/2021 10:24:23 PM	62445
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/9/2021 10:24:23 PM	62445
Surr: DNOP	96.8	70-130		%Rec	1	9/9/2021 10:24:23 PM	62445
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/9/2021 11:01:08 PM	62435
Surr: BFB	98.8	70-130		%Rec	1	9/9/2021 11:01:08 PM	62435
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	9/9/2021 11:01:08 PM	62435
Toluene	ND	0.050		mg/Kg	1	9/9/2021 11:01:08 PM	62435
Ethylbenzene	ND	0.050		mg/Kg	1	9/9/2021 11:01:08 PM	62435
Xylenes, Total	ND	0.10		mg/Kg	1	9/9/2021 11:01:08 PM	62435
Surr: 4-Bromofluorobenzene	90.7	70-130		%Rec	1	9/9/2021 11:01:08 PM	62435

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 **2109227**
Date Reported: **9/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-7/Surface
Project: Nicholas BJ 1
Collection Date: 9/2/2021 12:39:00 PM
Lab ID: 2109227-017 **Matrix:** SOIL **Received Date:** 9/4/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	ND	60		mg/Kg	20	9/10/2021 1:40:19 AM	62491
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	9/9/2021 10:34:28 PM	62445
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	9/9/2021 10:34:28 PM	62445
Surr: DNOP	93.0	70-130		%Rec	1	9/9/2021 10:34:28 PM	62445
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	9/9/2021 11:24:40 PM	62435
Surr: BFB	97.2	70-130		%Rec	1	9/9/2021 11:24:40 PM	62435
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	9/9/2021 11:24:40 PM	62435
Toluene	ND	0.047		mg/Kg	1	9/9/2021 11:24:40 PM	62435
Ethylbenzene	ND	0.047		mg/Kg	1	9/9/2021 11:24:40 PM	62435
Xylenes, Total	ND	0.094		mg/Kg	1	9/9/2021 11:24:40 PM	62435
Surr: 4-Bromofluorobenzene	90.1	70-130		%Rec	1	9/9/2021 11:24:40 PM	62435

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 **2109227**
Date Reported: **9/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-7/4'
Project: Nicholas BJ 1
Collection Date: 9/2/2021 12:43:00 PM
Lab ID: 2109227-018 **Matrix:** SOIL **Received Date:** 9/4/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	3000	150		mg/Kg	50	9/13/2021 12:17:55 PM	62491
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	8.3		mg/Kg	1	9/9/2021 10:44:32 PM	62445
Motor Oil Range Organics (MRO)	ND	41		mg/Kg	1	9/9/2021 10:44:32 PM	62445
Surr: DNOP	116	70-130		%Rec	1	9/9/2021 10:44:32 PM	62445
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/9/2021 11:48:13 PM	62435
Surr: BFB	97.2	70-130		%Rec	1	9/9/2021 11:48:13 PM	62435
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	9/9/2021 11:48:13 PM	62435
Toluene	ND	0.048		mg/Kg	1	9/9/2021 11:48:13 PM	62435
Ethylbenzene	ND	0.048		mg/Kg	1	9/9/2021 11:48:13 PM	62435
Xylenes, Total	ND	0.096		mg/Kg	1	9/9/2021 11:48:13 PM	62435
Surr: 4-Bromofluorobenzene	90.0	70-130		%Rec	1	9/9/2021 11:48:13 PM	62435

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 **2109227**
Date Reported: **9/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-8/Surface
Project: Nicholas BJ 1
Collection Date: 9/2/2021 12:48:00 PM
Lab ID: 2109227-019 **Matrix:** SOIL **Received Date:** 9/4/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	17000	590		mg/Kg	200	9/13/2021 12:30:20 PM	62491
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	9/9/2021 10:54:34 PM	62445
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/9/2021 10:54:34 PM	62445
Surr: DNOP	94.1	70-130		%Rec	1	9/9/2021 10:54:34 PM	62445
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/10/2021 12:11:42 AM	62435
Surr: BFB	95.7	70-130		%Rec	1	9/10/2021 12:11:42 AM	62435
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	9/10/2021 12:11:42 AM	62435
Toluene	ND	0.050		mg/Kg	1	9/10/2021 12:11:42 AM	62435
Ethylbenzene	ND	0.050		mg/Kg	1	9/10/2021 12:11:42 AM	62435
Xylenes, Total	ND	0.10		mg/Kg	1	9/10/2021 12:11:42 AM	62435
Surr: 4-Bromofluorobenzene	87.7	70-130		%Rec	1	9/10/2021 12:11:42 AM	62435

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

Qualifiers:

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

Analytical Report
Lab Order **2109227**
Date Reported: **9/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-8/4'
Project: Nicholas BJ 1
Collection Date: 9/2/2021 12:54:00 PM
Lab ID: 2109227-020 **Matrix:** SOIL **Received Date:** 9/4/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	5500	150		mg/Kg	50	9/13/2021 1:07:32 PM	62491
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	9/9/2021 11:04:37 PM	62445
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/9/2021 11:04:37 PM	62445
Surr: DNOP	105	70-130		%Rec	1	9/9/2021 11:04:37 PM	62445
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/10/2021 12:35:15 AM	62435
Surr: BFB	96.6	70-130		%Rec	1	9/10/2021 12:35:15 AM	62435
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	9/10/2021 12:35:15 AM	62435
Toluene	ND	0.048		mg/Kg	1	9/10/2021 12:35:15 AM	62435
Ethylbenzene	ND	0.048		mg/Kg	1	9/10/2021 12:35:15 AM	62435
Xylenes, Total	ND	0.097		mg/Kg	1	9/10/2021 12:35:15 AM	62435
Surr: 4-Bromofluorobenzene	88.7	70-130		%Rec	1	9/10/2021 12:35:15 AM	62435

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

Qualifiers:

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

Analytical Report
Lab Order **2109227**
Date Reported: **9/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH-8/14'
Project: Nicholas BJ 1 **Collection Date:** 9/2/2021 1:03:00 PM
Lab ID: 2109227-021 **Matrix:** SOIL **Received Date:** 9/4/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	4800	150		mg/Kg	50	9/13/2021 7:32:07 PM	62505
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	9/9/2021 11:14:39 PM	62445
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	9/9/2021 11:14:39 PM	62445
Surr: DNOP	98.3	70-130		%Rec	1	9/9/2021 11:14:39 PM	62445
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/10/2021 12:58:41 AM	62435
Surr: BFB	95.4	70-130		%Rec	1	9/10/2021 12:58:41 AM	62435
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	9/10/2021 12:58:41 AM	62435
Toluene	ND	0.050		mg/Kg	1	9/10/2021 12:58:41 AM	62435
Ethylbenzene	ND	0.050		mg/Kg	1	9/10/2021 12:58:41 AM	62435
Xylenes, Total	ND	0.099		mg/Kg	1	9/10/2021 12:58:41 AM	62435
Surr: 4-Bromofluorobenzene	88.6	70-130		%Rec	1	9/10/2021 12:58:41 AM	62435

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

Qualifiers:

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

Analytical Report
Lab Order **2109227**
Date Reported: **9/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-9/Surface
Project: Nicholas BJ 1
Collection Date: 9/2/2021 1:08:00 PM
Lab ID: 2109227-022 **Matrix:** SOIL **Received Date:** 9/4/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	ND	60		mg/Kg	20	9/10/2021 3:02:42 PM	62505
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	9/10/2021 11:41:12 AM	62465
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	9/10/2021 11:41:12 AM	62465
Surr: DNOP	79.8	70-130		%Rec	1	9/10/2021 11:41:12 AM	62465
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/10/2021 1:22:14 AM	62435
Surr: BFB	99.0	70-130		%Rec	1	9/10/2021 1:22:14 AM	62435
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	9/10/2021 1:22:14 AM	62435
Toluene	ND	0.049		mg/Kg	1	9/10/2021 1:22:14 AM	62435
Ethylbenzene	ND	0.049		mg/Kg	1	9/10/2021 1:22:14 AM	62435
Xylenes, Total	ND	0.098		mg/Kg	1	9/10/2021 1:22:14 AM	62435
Surr: 4-Bromofluorobenzene	90.8	70-130		%Rec	1	9/10/2021 1:22:14 AM	62435

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 **2109227**
Date Reported: **9/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-9/4'
Project: Nicholas BJ 1
Collection Date: 9/2/2021 1:13:00 PM
Lab ID: 2109227-023 **Matrix:** SOIL **Received Date:** 9/4/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	1600	300		mg/Kg	100	9/13/2021 1:44:44 PM	62515
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	9/9/2021 3:58:48 PM	62465
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/9/2021 3:58:48 PM	62465
Surr: DNOP	80.4	70-130		%Rec	1	9/9/2021 3:58:48 PM	62465
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/10/2021 1:45:54 AM	62435
Surr: BFB	94.9	70-130		%Rec	1	9/10/2021 1:45:54 AM	62435
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	9/10/2021 1:45:54 AM	62435
Toluene	ND	0.050		mg/Kg	1	9/10/2021 1:45:54 AM	62435
Ethylbenzene	ND	0.050		mg/Kg	1	9/10/2021 1:45:54 AM	62435
Xylenes, Total	ND	0.099		mg/Kg	1	9/10/2021 1:45:54 AM	62435
Surr: 4-Bromofluorobenzene	87.1	70-130		%Rec	1	9/10/2021 1:45:54 AM	62435

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 **2109227**
Date Reported: **9/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-10/Surface
Project: Nicholas BJ 1
Collection Date: 9/2/2021 1:20:00 PM
Lab ID: 2109227-024 **Matrix:** SOIL **Received Date:** 9/4/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	17000	600		mg/Kg	200	9/14/2021 2:21:29 AM	62515
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/9/2021 9:25:38 PM	62452
Surr: BFB	107	70-130		%Rec	1	9/9/2021 9:25:38 PM	62452
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	9/10/2021 12:34:11 AM	62457
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/10/2021 12:34:11 AM	62457
Surr: DNOP	87.7	70-130		%Rec	1	9/10/2021 12:34:11 AM	62457
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**	
Benzene	ND	0.025		mg/Kg	1	9/9/2021 9:25:38 PM	62452
Toluene	ND	0.049		mg/Kg	1	9/9/2021 9:25:38 PM	62452
Ethylbenzene	ND	0.049		mg/Kg	1	9/9/2021 9:25:38 PM	62452
Xylenes, Total	ND	0.099		mg/Kg	1	9/9/2021 9:25:38 PM	62452
Surr: 1,2-Dichloroethane-d4	105	70-130		%Rec	1	9/9/2021 9:25:38 PM	62452
Surr: 4-Bromofluorobenzene	97.7	70-130		%Rec	1	9/9/2021 9:25:38 PM	62452
Surr: Dibromofluoromethane	106	70-130		%Rec	1	9/9/2021 9:25:38 PM	62452
Surr: Toluene-d8	104	70-130		%Rec	1	9/9/2021 9:25:38 PM	62452

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 **2109227**
Date Reported: **9/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH-10/4'
Project: Nicholas BJ 1 **Collection Date:** 9/2/2021 1:26:00 PM
Lab ID: 2109227-025 **Matrix:** SOIL **Received Date:** 9/4/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	110	60		mg/Kg	20	9/14/2021 2:33:54 AM	62515
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/9/2021 10:51:37 PM	62452
Surr: BFB	109	70-130		%Rec	1	9/9/2021 10:51:37 PM	62452
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	9/10/2021 12:44:06 AM	62457
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/10/2021 12:44:06 AM	62457
Surr: DNOP	88.4	70-130		%Rec	1	9/10/2021 12:44:06 AM	62457
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**	
Benzene	ND	0.024		mg/Kg	1	9/9/2021 10:51:37 PM	62452
Toluene	ND	0.049		mg/Kg	1	9/9/2021 10:51:37 PM	62452
Ethylbenzene	ND	0.049		mg/Kg	1	9/9/2021 10:51:37 PM	62452
Xylenes, Total	ND	0.098		mg/Kg	1	9/9/2021 10:51:37 PM	62452
Surr: 1,2-Dichloroethane-d4	107	70-130		%Rec	1	9/9/2021 10:51:37 PM	62452
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	9/9/2021 10:51:37 PM	62452
Surr: Dibromofluoromethane	108	70-130		%Rec	1	9/9/2021 10:51:37 PM	62452
Surr: Toluene-d8	106	70-130		%Rec	1	9/9/2021 10:51:37 PM	62452

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 **2109227**
Date Reported: **9/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-10/10'
Project: Nicholas BJ 1
Collection Date: 9/2/2021 1:30:00 PM
Lab ID: 2109227-026 **Matrix:** SOIL **Received Date:** 9/4/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	730	300		mg/Kg	100	9/13/2021 2:21:58 PM	62515
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/9/2021 11:20:12 PM	62452
Surr: BFB	105	70-130		%Rec	1	9/9/2021 11:20:12 PM	62452
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	9/10/2021 12:53:56 AM	62457
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/10/2021 12:53:56 AM	62457
Surr: DNOP	102	70-130		%Rec	1	9/10/2021 12:53:56 AM	62457
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**	
Benzene	ND	0.024		mg/Kg	1	9/9/2021 11:20:12 PM	62452
Toluene	ND	0.049		mg/Kg	1	9/9/2021 11:20:12 PM	62452
Ethylbenzene	ND	0.049		mg/Kg	1	9/9/2021 11:20:12 PM	62452
Xylenes, Total	ND	0.097		mg/Kg	1	9/9/2021 11:20:12 PM	62452
Surr: 1,2-Dichloroethane-d4	108	70-130		%Rec	1	9/9/2021 11:20:12 PM	62452
Surr: 4-Bromofluorobenzene	97.6	70-130		%Rec	1	9/9/2021 11:20:12 PM	62452
Surr: Dibromofluoromethane	107	70-130		%Rec	1	9/9/2021 11:20:12 PM	62452
Surr: Toluene-d8	102	70-130		%Rec	1	9/9/2021 11:20:12 PM	62452

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 **2109227**
Date Reported: **9/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-11/Surface
Project: Nicholas BJ 1
Collection Date: 9/2/2021 1:40:00 PM
Lab ID: 2109227-027 **Matrix:** SOIL **Received Date:** 9/4/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	ND	60		mg/Kg	20	9/14/2021 2:46:18 AM	62515
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/9/2021 11:48:50 PM	62452
Surr: BFB	98.3	70-130		%Rec	1	9/9/2021 11:48:50 PM	62452
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	9/10/2021 1:03:45 AM	62457
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/10/2021 1:03:45 AM	62457
Surr: DNOP	90.1	70-130		%Rec	1	9/10/2021 1:03:45 AM	62457
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**	
Benzene	ND	0.024		mg/Kg	1	9/9/2021 11:48:50 PM	62452
Toluene	ND	0.049		mg/Kg	1	9/9/2021 11:48:50 PM	62452
Ethylbenzene	ND	0.049		mg/Kg	1	9/9/2021 11:48:50 PM	62452
Xylenes, Total	ND	0.098		mg/Kg	1	9/9/2021 11:48:50 PM	62452
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	1	9/9/2021 11:48:50 PM	62452
Surr: 4-Bromofluorobenzene	93.8	70-130		%Rec	1	9/9/2021 11:48:50 PM	62452
Surr: Dibromofluoromethane	104	70-130		%Rec	1	9/9/2021 11:48:50 PM	62452
Surr: Toluene-d8	101	70-130		%Rec	1	9/9/2021 11:48:50 PM	62452

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 **2109227**
Date Reported: **9/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-11/4'
Project: Nicholas BJ 1
Collection Date: 9/2/2021 1:49:00 PM
Lab ID: 2109227-028 **Matrix:** SOIL **Received Date:** 9/4/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	ND	60		mg/Kg	20	9/14/2021 2:58:42 AM	62515
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/10/2021 12:17:22 AM	62452
Surr: BFB	102	70-130		%Rec	1	9/10/2021 12:17:22 AM	62452
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	9/10/2021 1:13:32 AM	62457
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/10/2021 1:13:32 AM	62457
Surr: DNOP	78.2	70-130		%Rec	1	9/10/2021 1:13:32 AM	62457
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**	
Benzene	ND	0.025		mg/Kg	1	9/10/2021 12:17:22 AM	62452
Toluene	ND	0.049		mg/Kg	1	9/10/2021 12:17:22 AM	62452
Ethylbenzene	ND	0.049		mg/Kg	1	9/10/2021 12:17:22 AM	62452
Xylenes, Total	ND	0.098		mg/Kg	1	9/10/2021 12:17:22 AM	62452
Surr: 1,2-Dichloroethane-d4	97.8	70-130		%Rec	1	9/10/2021 12:17:22 AM	62452
Surr: 4-Bromofluorobenzene	98.2	70-130		%Rec	1	9/10/2021 12:17:22 AM	62452
Surr: Dibromofluoromethane	103	70-130		%Rec	1	9/10/2021 12:17:22 AM	62452
Surr: Toluene-d8	101	70-130		%Rec	1	9/10/2021 12:17:22 AM	62452

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 **2109227**
Date Reported: **9/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH-12/2'
Project: Nicholas BJ 1 **Collection Date:** 9/2/2021 2:04:00 PM
Lab ID: 2109227-029 **Matrix:** SOIL **Received Date:** 9/4/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	540	300		mg/Kg	100	9/13/2021 2:59:10 PM	62515
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	39	9.7		mg/Kg	2	9/10/2021 1:55:15 PM	62452
Surr: BFB	117	70-130		%Rec	2	9/10/2021 1:55:15 PM	62452
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	47000	500		mg/Kg	50	9/10/2021 1:23:21 AM	62457
Motor Oil Range Organics (MRO)	42000	2500		mg/Kg	50	9/10/2021 1:23:21 AM	62457
Surr: DNOP	0	70-130	S	%Rec	50	9/10/2021 1:23:21 AM	62457
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	0.048		mg/Kg	2	9/10/2021 1:55:15 PM	62452
Toluene	ND	0.097		mg/Kg	2	9/10/2021 1:55:15 PM	62452
Ethylbenzene	ND	0.097		mg/Kg	2	9/10/2021 1:55:15 PM	62452
Xylenes, Total	ND	0.19		mg/Kg	2	9/10/2021 1:55:15 PM	62452
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	2	9/10/2021 1:55:15 PM	62452
Surr: 4-Bromofluorobenzene	92.9	70-130		%Rec	2	9/10/2021 1:55:15 PM	62452
Surr: Dibromofluoromethane	106	70-130		%Rec	2	9/10/2021 1:55:15 PM	62452
Surr: Toluene-d8	109	70-130		%Rec	2	9/10/2021 1:55:15 PM	62452

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

Qualifiers:

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

Analytical Report
Lab Order **2109227**
Date Reported: **9/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-12/14'
Project: Nicholas BJ 1
Collection Date: 9/2/2021 2:29:00 PM
Lab ID: 2109227-030 **Matrix:** SOIL **Received Date:** 9/4/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	6700	300		mg/Kg	100	9/13/2021 3:36:23 PM	62515
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/10/2021 3:37:31 AM	62452
Surr: BFB	106	70-130		%Rec	1	9/10/2021 3:37:31 AM	62452
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	9/10/2021 1:43:02 AM	62457
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/10/2021 1:43:02 AM	62457
Surr: DNOP	119	70-130		%Rec	1	9/10/2021 1:43:02 AM	62457
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**	
Benzene	ND	0.025		mg/Kg	1	9/10/2021 3:37:31 AM	62452
Toluene	ND	0.049		mg/Kg	1	9/10/2021 3:37:31 AM	62452
Ethylbenzene	ND	0.049		mg/Kg	1	9/10/2021 3:37:31 AM	62452
Xylenes, Total	ND	0.098		mg/Kg	1	9/10/2021 3:37:31 AM	62452
Surr: 1,2-Dichloroethane-d4	99.5	70-130		%Rec	1	9/10/2021 3:37:31 AM	62452
Surr: 4-Bromofluorobenzene	99.4	70-130		%Rec	1	9/10/2021 3:37:31 AM	62452
Surr: Dibromofluoromethane	102	70-130		%Rec	1	9/10/2021 3:37:31 AM	62452
Surr: Toluene-d8	103	70-130		%Rec	1	9/10/2021 3:37:31 AM	62452

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 **2109227**
Date Reported: **9/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-13/Surface
Project: Nicholas BJ 1
Collection Date: 9/2/2021 2:36:00 PM
Lab ID: 2109227-031 **Matrix:** SOIL **Received Date:** 9/4/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	320	300		mg/Kg	100	9/13/2021 3:48:48 PM	62515
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/10/2021 4:06:05 AM	62452
Surr: BFB	103	70-130		%Rec	1	9/10/2021 4:06:05 AM	62452
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	540	480		mg/Kg	50	9/10/2021 1:52:52 AM	62457
Motor Oil Range Organics (MRO)	2900	2400		mg/Kg	50	9/10/2021 1:52:52 AM	62457
Surr: DNOP	0	70-130	S	%Rec	50	9/10/2021 1:52:52 AM	62457
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**	
Benzene	ND	0.024		mg/Kg	1	9/10/2021 4:06:05 AM	62452
Toluene	ND	0.048		mg/Kg	1	9/10/2021 4:06:05 AM	62452
Ethylbenzene	ND	0.048		mg/Kg	1	9/10/2021 4:06:05 AM	62452
Xylenes, Total	ND	0.097		mg/Kg	1	9/10/2021 4:06:05 AM	62452
Surr: 1,2-Dichloroethane-d4	99.2	70-130		%Rec	1	9/10/2021 4:06:05 AM	62452
Surr: 4-Bromofluorobenzene	93.6	70-130		%Rec	1	9/10/2021 4:06:05 AM	62452
Surr: Dibromofluoromethane	101	70-130		%Rec	1	9/10/2021 4:06:05 AM	62452
Surr: Toluene-d8	103	70-130		%Rec	1	9/10/2021 4:06:05 AM	62452

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 **2109227**
Date Reported: **9/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH-13/4'
Project: Nicholas BJ 1 **Collection Date:** 9/2/2021 2:40:00 PM
Lab ID: 2109227-032 **Matrix:** SOIL **Received Date:** 9/4/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	1600	300		mg/Kg	100	9/13/2021 4:01:13 PM	62515
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/10/2021 4:34:49 AM	62452
Surr: BFB	105	70-130		%Rec	1	9/10/2021 4:34:49 AM	62452
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	12	10		mg/Kg	1	9/10/2021 11:49:28 AM	62457
Motor Oil Range Organics (MRO)	66	50		mg/Kg	1	9/10/2021 11:49:28 AM	62457
Surr: DNOP	91.0	70-130		%Rec	1	9/10/2021 11:49:28 AM	62457
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**	
Benzene	ND	0.025		mg/Kg	1	9/10/2021 4:34:49 AM	62452
Toluene	ND	0.050		mg/Kg	1	9/10/2021 4:34:49 AM	62452
Ethylbenzene	ND	0.050		mg/Kg	1	9/10/2021 4:34:49 AM	62452
Xylenes, Total	ND	0.099		mg/Kg	1	9/10/2021 4:34:49 AM	62452
Surr: 1,2-Dichloroethane-d4	98.6	70-130		%Rec	1	9/10/2021 4:34:49 AM	62452
Surr: 4-Bromofluorobenzene	95.6	70-130		%Rec	1	9/10/2021 4:34:49 AM	62452
Surr: Dibromofluoromethane	98.0	70-130		%Rec	1	9/10/2021 4:34:49 AM	62452
Surr: Toluene-d8	104	70-130		%Rec	1	9/10/2021 4:34:49 AM	62452

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 **2109227**
Date Reported: **9/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-14/Surface
Project: Nicholas BJ 1
Collection Date: 9/2/2021 2:45:00 PM
Lab ID: 2109227-033 **Matrix:** SOIL **Received Date:** 9/4/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	11000	300		mg/Kg	100	9/13/2021 4:13:37 PM	62515
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/10/2021 5:03:27 AM	62452
Surr: BFB	103	70-130		%Rec	1	9/10/2021 5:03:27 AM	62452
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	9/10/2021 2:22:27 AM	62457
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/10/2021 2:22:27 AM	62457
Surr: DNOP	89.6	70-130		%Rec	1	9/10/2021 2:22:27 AM	62457
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**	
Benzene	ND	0.025		mg/Kg	1	9/10/2021 5:03:27 AM	62452
Toluene	ND	0.050		mg/Kg	1	9/10/2021 5:03:27 AM	62452
Ethylbenzene	ND	0.050		mg/Kg	1	9/10/2021 5:03:27 AM	62452
Xylenes, Total	ND	0.099		mg/Kg	1	9/10/2021 5:03:27 AM	62452
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	1	9/10/2021 5:03:27 AM	62452
Surr: 4-Bromofluorobenzene	97.0	70-130		%Rec	1	9/10/2021 5:03:27 AM	62452
Surr: Dibromofluoromethane	105	70-130		%Rec	1	9/10/2021 5:03:27 AM	62452
Surr: Toluene-d8	103	70-130		%Rec	1	9/10/2021 5:03:27 AM	62452

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

Qualifiers:

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

Analytical Report
Lab Order **2109227**
Date Reported: **9/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH-14/4'
Project: Nicholas BJ 1 **Collection Date:** 9/2/2021 2:50:00 PM
Lab ID: 2109227-034 **Matrix:** SOIL **Received Date:** 9/4/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	5700	300		mg/Kg	100	9/13/2021 4:26:01 PM	62515
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	9/10/2021 5:31:57 AM	62452
Surr: BFB	108	70-130		%Rec	1	9/10/2021 5:31:57 AM	62452
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	9/10/2021 2:32:21 AM	62457
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	9/10/2021 2:32:21 AM	62457
Surr: DNOP	109	70-130		%Rec	1	9/10/2021 2:32:21 AM	62457
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**	
Benzene	ND	0.023		mg/Kg	1	9/10/2021 5:31:57 AM	62452
Toluene	ND	0.047		mg/Kg	1	9/10/2021 5:31:57 AM	62452
Ethylbenzene	ND	0.047		mg/Kg	1	9/10/2021 5:31:57 AM	62452
Xylenes, Total	ND	0.094		mg/Kg	1	9/10/2021 5:31:57 AM	62452
Surr: 1,2-Dichloroethane-d4	97.9	70-130		%Rec	1	9/10/2021 5:31:57 AM	62452
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	9/10/2021 5:31:57 AM	62452
Surr: Dibromofluoromethane	99.0	70-130		%Rec	1	9/10/2021 5:31:57 AM	62452
Surr: Toluene-d8	106	70-130		%Rec	1	9/10/2021 5:31:57 AM	62452

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 **2109227**
Date Reported: **9/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-15/Surface
Project: Nicholas BJ 1
Collection Date: 9/2/2021 2:57:00 PM
Lab ID: 2109227-035 **Matrix:** SOIL **Received Date:** 9/4/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	ND	60		mg/Kg	20	9/14/2021 3:11:06 AM	62515
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	9/10/2021 6:00:26 AM	62452
Surr: BFB	104	70-130		%Rec	1	9/10/2021 6:00:26 AM	62452
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	9/10/2021 2:42:17 AM	62457
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	9/10/2021 2:42:17 AM	62457
Surr: DNOP	91.9	70-130		%Rec	1	9/10/2021 2:42:17 AM	62457
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**	
Benzene	ND	0.023		mg/Kg	1	9/10/2021 6:00:26 AM	62452
Toluene	ND	0.047		mg/Kg	1	9/10/2021 6:00:26 AM	62452
Ethylbenzene	ND	0.047		mg/Kg	1	9/10/2021 6:00:26 AM	62452
Xylenes, Total	ND	0.094		mg/Kg	1	9/10/2021 6:00:26 AM	62452
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	1	9/10/2021 6:00:26 AM	62452
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	9/10/2021 6:00:26 AM	62452
Surr: Dibromofluoromethane	104	70-130		%Rec	1	9/10/2021 6:00:26 AM	62452
Surr: Toluene-d8	101	70-130		%Rec	1	9/10/2021 6:00:26 AM	62452

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

Qualifiers:

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

Analytical Report
Lab Order **2109227**
Date Reported: **9/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-15/4'
Project: Nicholas BJ 1
Collection Date: 9/2/2021 3:07:00 PM
Lab ID: 2109227-036 **Matrix:** SOIL **Received Date:** 9/4/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	2500	300		mg/Kg	100	9/13/2021 4:50:51 PM	62515
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/10/2021 6:29:07 AM	62452
Surr: BFB	101	70-130		%Rec	1	9/10/2021 6:29:07 AM	62452
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	9/10/2021 3:02:06 AM	62457
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	9/10/2021 3:02:06 AM	62457
Surr: DNOP	98.3	70-130		%Rec	1	9/10/2021 3:02:06 AM	62457
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**	
Benzene	ND	0.025		mg/Kg	1	9/10/2021 6:29:07 AM	62452
Toluene	ND	0.050		mg/Kg	1	9/10/2021 6:29:07 AM	62452
Ethylbenzene	ND	0.050		mg/Kg	1	9/10/2021 6:29:07 AM	62452
Xylenes, Total	ND	0.10		mg/Kg	1	9/10/2021 6:29:07 AM	62452
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	1	9/10/2021 6:29:07 AM	62452
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	9/10/2021 6:29:07 AM	62452
Surr: Dibromofluoromethane	101	70-130		%Rec	1	9/10/2021 6:29:07 AM	62452
Surr: Toluene-d8	99.6	70-130		%Rec	1	9/10/2021 6:29:07 AM	62452

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 **2109227**
Date Reported: **9/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-16/Surface
Project: Nicholas BJ 1
Collection Date: 9/2/2021 3:11:00 PM
Lab ID: 2109227-037 **Matrix:** SOIL **Received Date:** 9/4/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	ND	60		mg/Kg	20	9/14/2021 3:23:31 AM	62515
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/10/2021 6:57:38 AM	62452
Surr: BFB	108	70-130		%Rec	1	9/10/2021 6:57:38 AM	62452
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	16	9.4		mg/Kg	1	9/10/2021 12:14:37 PM	62457
Motor Oil Range Organics (MRO)	120	47		mg/Kg	1	9/10/2021 12:14:37 PM	62457
Surr: DNOP	92.8	70-130		%Rec	1	9/10/2021 12:14:37 PM	62457
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**	
Benzene	ND	0.024		mg/Kg	1	9/10/2021 6:57:38 AM	62452
Toluene	ND	0.049		mg/Kg	1	9/10/2021 6:57:38 AM	62452
Ethylbenzene	ND	0.049		mg/Kg	1	9/10/2021 6:57:38 AM	62452
Xylenes, Total	ND	0.098		mg/Kg	1	9/10/2021 6:57:38 AM	62452
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	1	9/10/2021 6:57:38 AM	62452
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	9/10/2021 6:57:38 AM	62452
Surr: Dibromofluoromethane	102	70-130		%Rec	1	9/10/2021 6:57:38 AM	62452
Surr: Toluene-d8	101	70-130		%Rec	1	9/10/2021 6:57:38 AM	62452

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

Qualifiers:

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

Analytical Report
Lab Order **2109227**
Date Reported: **9/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-16/4'
Project: Nicholas BJ 1
Collection Date: 9/2/2021 3:22:00 PM
Lab ID: 2109227-038 **Matrix:** SOIL **Received Date:** 9/4/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	1100	300		mg/Kg	100	9/13/2021 5:15:39 PM	62515
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/10/2021 7:26:10 AM	62452
Surr: BFB	102	70-130		%Rec	1	9/10/2021 7:26:10 AM	62452
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	9/10/2021 3:22:12 AM	62457
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/10/2021 3:22:12 AM	62457
Surr: DNOP	91.4	70-130		%Rec	1	9/10/2021 3:22:12 AM	62457
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**	
Benzene	ND	0.024		mg/Kg	1	9/10/2021 7:26:10 AM	62452
Toluene	ND	0.048		mg/Kg	1	9/10/2021 7:26:10 AM	62452
Ethylbenzene	ND	0.048		mg/Kg	1	9/10/2021 7:26:10 AM	62452
Xylenes, Total	ND	0.096		mg/Kg	1	9/10/2021 7:26:10 AM	62452
Surr: 1,2-Dichloroethane-d4	99.5	70-130		%Rec	1	9/10/2021 7:26:10 AM	62452
Surr: 4-Bromofluorobenzene	93.4	70-130		%Rec	1	9/10/2021 7:26:10 AM	62452
Surr: Dibromofluoromethane	99.8	70-130		%Rec	1	9/10/2021 7:26:10 AM	62452
Surr: Toluene-d8	103	70-130		%Rec	1	9/10/2021 7:26:10 AM	62452

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

Qualifiers:

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

Analytical Report
Lab Order **2109227**
Date Reported: **9/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-17/Surface
Project: Nicholas BJ 1
Collection Date: 9/2/2021 3:28:00 PM
Lab ID: 2109227-039 **Matrix:** SOIL **Received Date:** 9/4/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	ND	60		mg/Kg	20	9/14/2021 4:00:44 AM	62515
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/10/2021 7:54:48 AM	62452
Surr: BFB	102	70-130		%Rec	1	9/10/2021 7:54:48 AM	62452
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	63	9.6		mg/Kg	1	9/10/2021 12:39:52 PM	62457
Motor Oil Range Organics (MRO)	310	48		mg/Kg	1	9/10/2021 12:39:52 PM	62457
Surr: DNOP	94.5	70-130		%Rec	1	9/10/2021 12:39:52 PM	62457
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**	
Benzene	ND	0.024		mg/Kg	1	9/10/2021 7:54:48 AM	62452
Toluene	ND	0.048		mg/Kg	1	9/10/2021 7:54:48 AM	62452
Ethylbenzene	ND	0.048		mg/Kg	1	9/10/2021 7:54:48 AM	62452
Xylenes, Total	ND	0.096		mg/Kg	1	9/10/2021 7:54:48 AM	62452
Surr: 1,2-Dichloroethane-d4	94.5	70-130		%Rec	1	9/10/2021 7:54:48 AM	62452
Surr: 4-Bromofluorobenzene	94.7	70-130		%Rec	1	9/10/2021 7:54:48 AM	62452
Surr: Dibromofluoromethane	94.9	70-130		%Rec	1	9/10/2021 7:54:48 AM	62452
Surr: Toluene-d8	101	70-130		%Rec	1	9/10/2021 7:54:48 AM	62452

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 **2109227**
Date Reported: **9/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-17/4'
Project: Nicholas BJ 1
Collection Date: 9/2/2021 3:33:00 PM
Lab ID: 2109227-040 **Matrix:** SOIL **Received Date:** 9/4/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	1100	300		mg/Kg	100	9/13/2021 6:05:16 PM	62515
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/10/2021 8:23:28 AM	62452
Surr: BFB	106	70-130		%Rec	1	9/10/2021 8:23:28 AM	62452
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	9/10/2021 3:42:22 AM	62457
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/10/2021 3:42:22 AM	62457
Surr: DNOP	108	70-130		%Rec	1	9/10/2021 3:42:22 AM	62457
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**	
Benzene	ND	0.024		mg/Kg	1	9/10/2021 8:23:28 AM	62452
Toluene	ND	0.048		mg/Kg	1	9/10/2021 8:23:28 AM	62452
Ethylbenzene	ND	0.048		mg/Kg	1	9/10/2021 8:23:28 AM	62452
Xylenes, Total	ND	0.095		mg/Kg	1	9/10/2021 8:23:28 AM	62452
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	1	9/10/2021 8:23:28 AM	62452
Surr: 4-Bromofluorobenzene	99.7	70-130		%Rec	1	9/10/2021 8:23:28 AM	62452
Surr: Dibromofluoromethane	107	70-130		%Rec	1	9/10/2021 8:23:28 AM	62452
Surr: Toluene-d8	104	70-130		%Rec	1	9/10/2021 8:23:28 AM	62452

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

Qualifiers:

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

Analytical Report
Lab Order **2109227**
Date Reported: **9/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-18/Surface
Project: Nicholas BJ 1
Collection Date: 9/2/2021 3:53:00 PM
Lab ID: 2109227-041 **Matrix:** SOIL **Received Date:** 9/4/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	ND	60		mg/Kg	20	9/14/2021 7:42:10 AM	62515
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	9/10/2021 11:17:18 AM	62465
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/10/2021 11:17:18 AM	62465
Surr: DNOP	85.9	70-130		%Rec	1	9/10/2021 11:17:18 AM	62465
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/10/2021 7:04:00 PM	62460
Surr: BFB	96.7	70-130		%Rec	1	9/10/2021 7:04:00 PM	62460
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.025		mg/Kg	1	9/10/2021 7:04:00 PM	62460
Toluene	ND	0.049		mg/Kg	1	9/10/2021 7:04:00 PM	62460
Ethylbenzene	ND	0.049		mg/Kg	1	9/10/2021 7:04:00 PM	62460
Xylenes, Total	ND	0.099		mg/Kg	1	9/10/2021 7:04:00 PM	62460
Surr: 4-Bromofluorobenzene	80.4	70-130		%Rec	1	9/10/2021 7:04:00 PM	62460

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 **2109227**
Date Reported: **9/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH-18/4'
Project: Nicholas BJ 1 **Collection Date:** 9/2/2021 3:59:00 PM
Lab ID: 2109227-042 **Matrix:** SOIL **Received Date:** 9/4/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	140	60		mg/Kg	20	9/14/2021 7:54:35 AM	62515
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	9/9/2021 4:18:36 PM	62465
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/9/2021 4:18:36 PM	62465
Surr: DNOP	118	70-130		%Rec	1	9/9/2021 4:18:36 PM	62465
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/10/2021 8:04:00 PM	62460
Surr: BFB	88.4	70-130		%Rec	1	9/10/2021 8:04:00 PM	62460
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.024		mg/Kg	1	9/10/2021 8:04:00 PM	62460
Toluene	ND	0.048		mg/Kg	1	9/10/2021 8:04:00 PM	62460
Ethylbenzene	ND	0.048		mg/Kg	1	9/10/2021 8:04:00 PM	62460
Xylenes, Total	ND	0.097		mg/Kg	1	9/10/2021 8:04:00 PM	62460
Surr: 4-Bromofluorobenzene	80.0	70-130		%Rec	1	9/10/2021 8:04:00 PM	62460

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

Qualifiers:

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

Analytical Report
Lab Order **2109227**
Date Reported: **9/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-19/Surface
Project: Nicholas BJ 1
Collection Date: 9/2/2021 4:00:00 PM
Lab ID: 2109227-043 **Matrix:** SOIL **Received Date:** 9/4/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**VP**
Chloride	140	60		mg/Kg	20	9/13/2021 8:27:59 PM	62531
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**SB**
Diesel Range Organics (DRO)	120	18		mg/Kg	2	9/10/2021 1:55:15 PM	62465
Motor Oil Range Organics (MRO)	510	91		mg/Kg	2	9/10/2021 1:55:15 PM	62465
Surr: DNOP	126	70-130		%Rec	2	9/10/2021 1:55:15 PM	62465
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**mb**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	9/10/2021 9:04:00 PM	62460
Surr: BFB	88.2	70-130		%Rec	1	9/10/2021 9:04:00 PM	62460
EPA METHOD 8021B: VOLATILES						Analyst:	**mb**
Benzene	ND	0.024		mg/Kg	1	9/10/2021 9:04:00 PM	62460
Toluene	ND	0.047		mg/Kg	1	9/10/2021 9:04:00 PM	62460
Ethylbenzene	ND	0.047		mg/Kg	1	9/10/2021 9:04:00 PM	62460
Xylenes, Total	ND	0.094		mg/Kg	1	9/10/2021 9:04:00 PM	62460
Surr: 4-Bromofluorobenzene	79.2	70-130		%Rec	1	9/10/2021 9:04:00 PM	62460

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 **2109227**
Date Reported: **9/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-19/4'
Project: Nicholas BJ 1
Collection Date: 9/2/2021 4:10:00 PM
Lab ID: 2109227-044 **Matrix:** SOIL **Received Date:** 9/4/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	3100	300		mg/Kg	100	9/13/2021 2:54:19 PM	62531
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	9/9/2021 4:38:17 PM	62465
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	9/9/2021 4:38:17 PM	62465
Surr: DNOP	103	70-130		%Rec	1	9/9/2021 4:38:17 PM	62465
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/10/2021 9:23:00 PM	62460
Surr: BFB	94.3	70-130		%Rec	1	9/10/2021 9:23:00 PM	62460
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.025		mg/Kg	1	9/10/2021 9:23:00 PM	62460
Toluene	ND	0.050		mg/Kg	1	9/10/2021 9:23:00 PM	62460
Ethylbenzene	ND	0.050		mg/Kg	1	9/10/2021 9:23:00 PM	62460
Xylenes, Total	ND	0.10		mg/Kg	1	9/10/2021 9:23:00 PM	62460
Surr: 4-Bromofluorobenzene	80.1	70-130		%Rec	1	9/10/2021 9:23:00 PM	62460

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#: **2109227**

20-Sep-21

Client: EOG

Project: Nicholas BJ 1

Sample ID: **LCS-62485**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **62485**	RunNo: **81172**							
Prep Date: **9/9/2021**	Analysis Date: **9/9/2021**	SeqNo: **2865286**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.0	90	110			

Sample ID: **MB-62491**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **62491**	RunNo: **81172**							
Prep Date: **9/9/2021**	Analysis Date: **9/9/2021**	SeqNo: **2865351**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-62491**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **62491**	RunNo: **81172**							
Prep Date: **9/9/2021**	Analysis Date: **9/9/2021**	SeqNo: **2865352**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.0	90	110			

Sample ID: **MB-62485**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **62485**	RunNo: **81172**							
Prep Date: **9/9/2021**	Analysis Date: **9/9/2021**	SeqNo: **2865386**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **MB-62505**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **62505**	RunNo: **81175**							
Prep Date: **9/10/2021**	Analysis Date: **9/10/2021**	SeqNo: **2866584**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-62505**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **62505**	RunNo: **81175**							
Prep Date: **9/10/2021**	Analysis Date: **9/10/2021**	SeqNo: **2866585**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	98.3	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical 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#: **2109227**

20-Sep-21

Client: EOG

Project: Nicholas BJ 1

Sample ID: **MB-62515** SampType: **MBLK** TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS** Batch ID: **62515** RunNo: **81207**
Prep Date: **9/10/2021** Analysis Date: **9/13/2021** SeqNo: **2868221** Units: **mg/Kg**

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

Sample ID: **LCS-62515** SampType: **LCS** TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS** Batch ID: **62515** RunNo: **81207**
Prep Date: **9/10/2021** Analysis Date: **9/13/2021** SeqNo: **2868222** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.8	90	110			

Sample ID: **MB-62531** SampType: **MBLK** TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS** Batch ID: **62531** RunNo: **81222**
Prep Date: **9/13/2021** Analysis Date: **9/13/2021** SeqNo: **2868437** Units: **mg/Kg**

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

Sample ID: **LCS-62531** SampType: **LCS** TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS** Batch ID: **62531** RunNo: **81222**
Prep Date: **9/13/2021** Analysis Date: **9/13/2021** SeqNo: **2868438** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.0	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
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#: **2109227**

20-Sep-21

Client: EOG

Project: Nicholas BJ 1

Sample ID: **LCS-62434**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **62434**	RunNo: **81106**
Prep Date: **9/7/2021**	Analysis Date: **9/8/2021**	SeqNo: **2863061** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	100	68.9	135			
Surr: DNOP	5.7		5.000		114	70	130			

Sample ID: **MB-62434**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **62434**	RunNo: **81106**
Prep Date: **9/7/2021**	Analysis Date: **9/8/2021**	SeqNo: **2863062** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	12		10.00		116	70	130			

Sample ID: **LCS-62465**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **62465**	RunNo: **81156**
Prep Date: **9/8/2021**	Analysis Date: **9/9/2021**	SeqNo: **2864692** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52	10	50.00	0	104	68.9	135			
Surr: DNOP	4.3		5.000		86.2	70	130			

Sample ID: **MB-62465**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **62465**	RunNo: **81156**
Prep Date: **9/8/2021**	Analysis Date: **9/9/2021**	SeqNo: **2864694** 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	14		10.00		135	70	130			S

Sample ID: **LCS-62445**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **62445**	RunNo: **81156**
Prep Date: **9/8/2021**	Analysis Date: **9/9/2021**	SeqNo: **2865704** 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		72.6	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
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#: **2109227**

20-Sep-21

Client: EOG

Project: Nicholas BJ 1

Sample ID: **LCS-62457**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **62457**	RunNo: **81156**
Prep Date: **9/8/2021**	Analysis Date: **9/9/2021**	SeqNo: **2865705** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	40	10	50.00	0	79.5	68.9	135			
Surr: DNOP	4.3		5.000		85.8	70	130			

Sample ID: **MB-62445**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **62445**	RunNo: **81156**
Prep Date: **9/8/2021**	Analysis Date: **9/9/2021**	SeqNo: **2865706** 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	9.0		10.00		90.1	70	130			

Sample ID: **MB-62457**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **62457**	RunNo: **81156**
Prep Date: **9/8/2021**	Analysis Date: **9/9/2021**	SeqNo: **2865707** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		109	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical 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#: **2109227**

20-Sep-21

Client: EOG

Project: Nicholas BJ 1

Sample ID: **mb-62435**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **62435**	RunNo: **81171**
Prep Date: **9/7/2021**	Analysis Date: **9/9/2021**	SeqNo: **2865211** 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		104	70	130			

Sample ID: **lcs-62435**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **62435**	RunNo: **81171**
Prep Date: **9/7/2021**	Analysis Date: **9/9/2021**	SeqNo: **2865212** Units: **mg/Kg**

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

Sample ID: **mb-62430**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **62430**	RunNo: **81174**
Prep Date: **9/7/2021**	Analysis Date: **9/10/2021**	SeqNo: **2865588** 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	940		1000		94.2	70	130			

Sample ID: **lcs-62430**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **62430**	RunNo: **81174**
Prep Date: **9/7/2021**	Analysis Date: **9/9/2021**	SeqNo: **2865590** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	105	78.6	131			
Surr: BFB	1100		1000		108	70	130			

Sample ID: **mb-62460**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **62460**	RunNo: **81208**
Prep Date: **9/8/2021**	Analysis Date: **9/10/2021**	SeqNo: **2866769** 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	880		1000		88.0	70	130			

Sample ID: **lcs-62460**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **62460**	RunNo: **81208**
Prep Date: **9/8/2021**	Analysis Date: **9/10/2021**	SeqNo: **2866771** Units: **mg/Kg**

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
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#: **2109227**
20-Sep-21

Client: EOG
Project: Nicholas BJ 1

Sample ID: **lcs-62460** SampType: **LCS** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS** Batch ID: **62460** RunNo: **81208**
Prep Date: **9/8/2021** Analysis Date: **9/10/2021** SeqNo: **2866771** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	108	78.6	131			
Surr: BFB	1000		1000		102	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
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#: **2109227**

20-Sep-21

Client: EOG

Project: Nicholas BJ 1

Sample ID: **mb-62435**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **62435**	RunNo: **81171**
Prep Date: **9/7/2021**	Analysis Date: **9/9/2021**	SeqNo: **2865252** 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	0.91		1.000		91.2	70	130			

Sample ID: **LCS-62435**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **62435**	RunNo: **81171**
Prep Date: **9/7/2021**	Analysis Date: **9/9/2021**	SeqNo: **2865253** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.025	1.000	0	88.2	80	120			
Toluene	0.90	0.050	1.000	0	90.0	80	120			
Ethylbenzene	0.90	0.050	1.000	0	89.9	80	120			
Xylenes, Total	2.7	0.10	3.000	0	89.3	80	120			
Surr: 4-Bromofluorobenzene	0.94		1.000		93.6	70	130			

Sample ID: **mb-62430**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **62430**	RunNo: **81174**
Prep Date: **9/7/2021**	Analysis Date: **9/10/2021**	SeqNo: **2865627** 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	0.83		1.000		82.6	70	130			

Sample ID: **lcs-62430**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **62430**	RunNo: **81174**
Prep Date: **9/7/2021**	Analysis Date: **9/10/2021**	SeqNo: **2865629** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.87	0.025	1.000	0	87.3	80	120			
Toluene	0.88	0.050	1.000	0	88.2	80	120			
Ethylbenzene	0.89	0.050	1.000	0	88.9	80	120			
Xylenes, Total	2.7	0.10	3.000	0	89.1	80	120			
Surr: 4-Bromofluorobenzene	0.82		1.000		81.8	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
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#: **2109227**

20-Sep-21

Client: EOG

Project: Nicholas BJ 1

Sample ID: **mb-62460**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **62460**	RunNo: **81208**
Prep Date: **9/8/2021**	Analysis Date: **9/10/2021**	SeqNo: **2866837** 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	0.80		1.000		80.0	70	130			

Sample ID: **lcs-62460**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **62460**	RunNo: **81208**
Prep Date: **9/8/2021**	Analysis Date: **9/10/2021**	SeqNo: **2866839** 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	85.6	80	120			
Toluene	0.85	0.050	1.000	0	85.4	80	120			
Ethylbenzene	0.86	0.050	1.000	0	86.5	80	120			
Xylenes, Total	2.6	0.10	3.000	0	86.8	80	120			
Surr: 4-Bromofluorobenzene	0.81		1.000		81.5	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
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#: **2109227**

20-Sep-21

Client: EOG

Project: Nicholas BJ 1

Sample ID: **lcs-62452** SampType: **LCS4** TestCode: **EPA Method 8260B: Volatiles Short List**

Client ID: **BatchQC** Batch ID: **62452** RunNo: **81185**

Prep Date: **9/8/2021** Analysis Date: **9/9/2021** SeqNo: **2866058** 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	94.9	80	120			
Toluene	0.95	0.050	1.000	0	95.5	80	120			
Ethylbenzene	0.98	0.050	1.000	0	98.0	80	120			
Xylenes, Total	2.8	0.10	3.000	0	94.0	80	120			
Surr: 1,2-Dichloroethane-d4	0.51		0.5000		101	70	130			
Surr: 4-Bromofluorobenzene	0.50		0.5000		100	70	130			
Surr: Dibromofluoromethane	0.52		0.5000		104	70	130			
Surr: Toluene-d8	0.54		0.5000		108	70	130			

Sample ID: **mb-62452** SampType: **MBLK** TestCode: **EPA Method 8260B: Volatiles Short List**

Client ID: **PBS** Batch ID: **62452** RunNo: **81185**

Prep Date: **9/8/2021** Analysis Date: **9/9/2021** SeqNo: **2866059** 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: 1,2-Dichloroethane-d4	0.51		0.5000		103	70	130			
Surr: 4-Bromofluorobenzene	0.46		0.5000		92.8	70	130			
Surr: Dibromofluoromethane	0.54		0.5000		109	70	130			
Surr: Toluene-d8	0.55		0.5000		109	70	130			

Sample ID: **2109227-024ams** SampType: **MS4** TestCode: **EPA Method 8260B: Volatiles Short List**

Client ID: **TH-10/Surface** Batch ID: **62452** RunNo: **81185**

Prep Date: **9/8/2021** Analysis Date: **9/9/2021** SeqNo: **2866061** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.99	0.024	0.9579	0	104	73.5	138			
Toluene	0.98	0.048	0.9579	0	102	83	131			
Ethylbenzene	1.0	0.048	0.9579	0	108	84.9	132			
Xylenes, Total	3.0	0.096	2.874	0	103	79.6	144			
Surr: 1,2-Dichloroethane-d4	0.49		0.4789		102	70	130			
Surr: 4-Bromofluorobenzene	0.44		0.4789		92.7	70	130			
Surr: Dibromofluoromethane	0.49		0.4789		102	70	130			
Surr: Toluene-d8	0.51		0.4789		105	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#: **2109227**
20-Sep-21

Client: EOG
Project: Nicholas BJ 1

Sample ID: **2109227-024amsd** SampType: **MSD4** TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **TH-10/Surface** Batch ID: **62452** RunNo: **81185**
Prep Date: **9/8/2021** Analysis Date: **9/9/2021** SeqNo: **2866062** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	0.9872	0	105	73.5	138	4.19	20	
Toluene	1.0	0.049	0.9872	0	103	83	131	3.88	20	
Ethylbenzene	1.1	0.049	0.9872	0	110	84.9	132	4.16	20	
Xylenes, Total	3.1	0.099	2.962	0	104	79.6	144	4.13	20	
Surr: 1,2-Dichloroethane-d4	0.48		0.4936		96.7	70	130	0	0	
Surr: 4-Bromofluorobenzene	0.50		0.4936		100	70	130	0	0	
Surr: Dibromofluoromethane	0.50		0.4936		102	70	130	0	0	
Surr: Toluene-d8	0.50		0.4936		102	70	130	0	0	

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#: **2109227**

20-Sep-21

Client: EOG

Project: Nicholas BJ 1

Sample ID: **lcs-62452**	SampType: **LCS**	TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **LCSS**	Batch ID: **62452**	RunNo: **81185**
Prep Date: **9/8/2021**	Analysis Date: **9/9/2021**	SeqNo: **2866082** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	89.1	70	130			
Surr: BFB	520		500.0		104	70	130			

Sample ID: **mb-62452**	SampType: **MBLK**	TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **PBS**	Batch ID: **62452**	RunNo: **81185**
Prep Date: **9/8/2021**	Analysis Date: **9/9/2021**	SeqNo: **2866083** 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	530		500.0		106	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: 2109227 RcptNo: 1

Received By: Juan Rojas 9/4/2021 8:30:00 AM

Completed By: Cheyenne Cason 9/4/2021 10:22:05 AM

Reviewed By: KPG 9/7/21

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 ☐ # of preserved bottles checked for pH: (<2 or >12 unless noted)
12. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐ Adjusted?
13. Is it clear what analyses were requested? Yes ☑ No ☐
14. Were all holding times able to be met? (If no, notify customer for authorization.) Yes ☑ No ☐ Checked by: JR 9/7/21

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	0.0	Good				
2	0.4	Good				
3	0.1	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** 5 days

Project Name: Nicholas BJ #1

Project #: 5375

Project Manager: W. Kierdorf

Sampler: M. Cook

On Ice: ☒ Yes ☐ No

# of Coolers: 3

Cooler Temp(including CF): see Remarks

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. 2109227	BTEX (8021)	TPH:8015D(GRO / DRO / MRO)	Chloride (EPA 300)
9/2/21	0801	Soil	TH-1/3'	4oz, 1	None	001	X	X	X
	0811		TH-1/8'			002	X	X	X
	0819		TH-1/14'			003	X	X	X
	0828		TH-2/1'			004	X	X	X
	0850		TH-2/10'			005	X	X	X
	0901		TH-2/14'			006	X	X	X
	0910		TH-3/Surface			007	X	X	X
	0929		TH-3/4'			008	X	X	X
	0952		TH-4/2'			009	X	X	X
	1007		TH-4/8'			010	X	X	X
	1022		TH-4/14'			011	X	X	X
	1030		TH-5/Surface			012	X	X	X

Analysis Request

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
9/2/21	2130			hand OFF	9/2/21	2130
9/3/21	0810				9/3/21	810

Remarks: Bill to EOG Artesia
0.2-0.2=0
0.6-0.2=0.4
0.3-0.2=0.1

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

9/3/21 1900

courier 9/4/21 8:30

Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.

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

Ranger: PO Box 201179, Austin TX 78720

Phone #: 521-335-1785

email or Fax#: Will@RangerEnv.com

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

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

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

Project Name: Nicholas BJ #1

Project #: 5375

Project Manager: W. Kierdorf

Sampler: M. Cook

On Ice: ☐ Yes ☐ No

# of Coolers: 3

Cooler Temp(including CF): See Remarks

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. 2109227	BTEX (8021)	TPH:8015D(GRO / DRO / MRO)	Chloride (EPA 300)
9/2/21	1049	Soil	TH-5/4'	4oz, 1	None	013	X	X	X
	1107		TH-6/2'			014	X	X	X
	1128		TH-6/8'			015	X	X	X
	1139		TH-6/14'			016	X	X	X
	1239		TH-7/Surface			017	X	X	X
	1243		TH-7/4'			018	X	X	X
	1248		TH-8/Surface			019	X	X	X
	1254		TH-8/4'			020	X	X	X
	1303		TH-8/14'			021	X	X	X
	1308		TH-9/Surface			022	X	X	X
	1313		TH-9/4'			023	X	X	X
	1320		TH-10/Surface			024	X	X	X

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
9/2/21	2130			hand OFF	9/2/21	2130
9/3/21	0810				9/3/21	810
9/3/21	1800			courier	9/4/21	8:30

Remarks: Bill to EOG Artesia
0.2-0.2=0
6.6-0.2=0.4
0.3-0.2=0.1

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

Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.

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

Ranger: PO Box 201179, Austin TX 78720

Phone #: 521-335-1785

email or Fax#: Will@RangerEnv.com

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

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

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

Project Name: Nicholas BJ #1

Project #: 5375

Project Manager: W. Kierdorf

Sampler: M. Cook

On Ice: ☑ Yes ☐ No

# of Coolers: 3

Cooler Temp(including CF): see Remarks

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. 2109227	BTEX (8021)	TPH:8015D(GRO / DRO / MRO)	Chloride (EPA 300)
9/2/21	1326	Soil	TH-10/4'	4oz, 1	None	025	X	X	X
	1330		TH-10/10'			026	X	X	X
	1340		TH-11/Surface			027	X	X	X
	1349		TH-11/4'			028	X	X	X
	1404		TH-12/2'			029	X	X	X
	1429		TH-12/14'			030	X	X	X
	1436		TH-13/Surface			031	X	X	X
	1440		TH-13/4'			032	X	X	X
	1445		TH-14/Surface			033	X	X	X
	1450		TH-14/4'			034	X	X	X
	1457		TH-15/Surface			035	X	X	X
	1507		TH-15/4'			036	X	X	X

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
9/2/21	2130			hand off	9/2/21	2130
9/3/21	0810				9/3/21	810
9/3/21	1900			courier	9/4/21	8:30

Remarks: Bill to EOG Artesia

6.2-0.7=6

0.6-0.7=0.4

0.3-0.7=0.1

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

Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.

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

Ranger: PO Box 201179, Austin TX 78720

Phone #: 521-335-1785

email or Fax#: Will@RangerEnv.com

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

Accreditation: ☐ Az Compliance
■ NELAC ☐ Other

■ EDD (Type) Excel

Turn-Around Time:
☒ Standard ☐ Rush 5 days

Project Name: Nicholas BJ #1

Project #: 5375

Project Manager: W. Kierdorf

Sampler: M. Cook

On Ice: ☑ Yes ☐ No

# of Coolers: 3

Cooler Temp(including CF): See Remarks

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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. 2109227	BTEX (8021)	TPH:8015D(GRO / DRO / MRO)	Chloride (EPA 300)
9/2/21	1511	Soil	TH-16 / Surface	4oz, 1	None	037	X	X	X
	1522		TH-16/ 4'			038	X	X	X
	1528		TH-17 / Surface			039	X	X	X
	1533		TH-17 / 4'			040	X	X	X
	1553		TH-18/ Surface			041	X	X	X
	1559		TH-18 / 4'			042	X	X	X
	1604		TH-19/ Surface			043	X	X	X
↓	1610	↓	TH-19 / 4'	↓	↓	044	X	X	X

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
9/2/21	2130			hand OFF	9/2/21	2130
9/3/21	0810				9/3/21	810

Remarks: Bill to EOG Artesia
0.2-0.2=0
0.6-0.2=0.4
0.3-0.2=0.1

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

9/3/a 1900

Courier 9/4/21 8:30

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

January 04, 2022

Will Kierdorf

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

RE: Nicholas BJ 1 Battery OrderNo.: 2112C69

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 24 sample(s) on 12/22/2021 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued December 30, 2021.

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. 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. All samples are reported as received unless otherwise indicated.

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 **2112C69**
Date Reported: **1/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-20/0
Project: Nicholas BJ 1 Battery
Collection Date: 12/20/2021 9:00:00 AM
Lab ID: 2112C69-001 **Matrix:** SOIL **Received Date:** 12/22/2021 7:25:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LRN**	
Chloride	ND	60		mg/Kg	20	12/29/2021 3:23:00 PM	64786
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	41	10		mg/Kg	1	12/29/2021 11:13:03 PM	64710
Motor Oil Range Organics (MRO)	150	50		mg/Kg	1	12/29/2021 11:13:03 PM	64710
Surr: DNOP	96.5	70-130		%Rec	1	12/29/2021 11:13:03 PM	64710
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/24/2021 7:37:02 PM	64699
Surr: BFB	92.3	70-130		%Rec	1	12/24/2021 7:37:02 PM	64699
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	12/24/2021 7:37:02 PM	64699
Toluene	ND	0.049		mg/Kg	1	12/24/2021 7:37:02 PM	64699
Ethylbenzene	ND	0.049		mg/Kg	1	12/24/2021 7:37:02 PM	64699
Xylenes, Total	ND	0.099		mg/Kg	1	12/24/2021 7:37:02 PM	64699
Surr: 4-Bromofluorobenzene	99.8	70-130		%Rec	1	12/24/2021 7:37:02 PM	64699

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

Qualifiers:

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

Analytical Report
Lab Order **2112C69**
Date Reported: **1/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-20/4
Project: Nicholas BJ 1 Battery
Collection Date: 12/20/2021 9:09:00 AM
Lab ID: 2112C69-002 **Matrix:** SOIL **Received Date:** 12/22/2021 7:25:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LRN**	
Chloride	160	60		mg/Kg	20	12/29/2021 4:25:05 PM	64786
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	12/27/2021 7:30:26 PM	64720
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/27/2021 7:30:26 PM	64720
Surr: DNOP	87.5	70-130		%Rec	1	12/27/2021 7:30:26 PM	64720
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/24/2021 8:00:32 PM	64699
Surr: BFB	91.9	70-130		%Rec	1	12/24/2021 8:00:32 PM	64699
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	12/24/2021 8:00:32 PM	64699
Toluene	ND	0.048		mg/Kg	1	12/24/2021 8:00:32 PM	64699
Ethylbenzene	ND	0.048		mg/Kg	1	12/24/2021 8:00:32 PM	64699
Xylenes, Total	ND	0.096		mg/Kg	1	12/24/2021 8:00:32 PM	64699
Surr: 4-Bromofluorobenzene	98.8	70-130		%Rec	1	12/24/2021 8:00:32 PM	64699

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

Qualifiers:

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

Analytical Report
Lab Order **2112C69**
Date Reported: **1/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-21/0
Project: Nicholas BJ 1 Battery
Collection Date: 12/20/2021 9:20:00 AM
Lab ID: 2112C69-003 **Matrix:** SOIL **Received Date:** 12/22/2021 7:25:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LRN**	
Chloride	ND	60		mg/Kg	20	12/29/2021 4:37:30 PM	64786
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	12/27/2021 8:01:44 PM	64720
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/27/2021 8:01:44 PM	64720
Surr: DNOP	92.7	70-130		%Rec	1	12/27/2021 8:01:44 PM	64720
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/24/2021 8:24:00 PM	64699
Surr: BFB	91.0	70-130		%Rec	1	12/24/2021 8:24:00 PM	64699
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	12/24/2021 8:24:00 PM	64699
Toluene	ND	0.047		mg/Kg	1	12/24/2021 8:24:00 PM	64699
Ethylbenzene	ND	0.047		mg/Kg	1	12/24/2021 8:24:00 PM	64699
Xylenes, Total	ND	0.095		mg/Kg	1	12/24/2021 8:24:00 PM	64699
Surr: 4-Bromofluorobenzene	98.2	70-130		%Rec	1	12/24/2021 8:24:00 PM	64699

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

Qualifiers:

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

Analytical Report
Lab Order **2112C69**
Date Reported: **1/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-21/4
Project: Nicholas BJ 1 Battery
Collection Date: 12/20/2021 9:31:00 AM
Lab ID: 2112C69-004 **Matrix:** SOIL
Received Date: 12/22/2021 7:25:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LRN**	
Chloride	79	60		mg/Kg	20	12/29/2021 4:49:54 PM	64786
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	12/27/2021 8:12:10 PM	64720
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/27/2021 8:12:10 PM	64720
Surr: DNOP	98.3	70-130		%Rec	1	12/27/2021 8:12:10 PM	64720
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/28/2021 1:38:44 PM	64699
Surr: BFB	97.4	70-130		%Rec	1	12/28/2021 1:38:44 PM	64699
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	12/28/2021 1:38:44 PM	64699
Toluene	ND	0.047		mg/Kg	1	12/28/2021 1:38:44 PM	64699
Ethylbenzene	ND	0.047		mg/Kg	1	12/28/2021 1:38:44 PM	64699
Xylenes, Total	ND	0.095		mg/Kg	1	12/28/2021 1:38:44 PM	64699
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	12/28/2021 1:38:44 PM	64699

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

Qualifiers:

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

Analytical Report
Lab Order **2112C69**
Date Reported: **1/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-22/0
Project: Nicholas BJ 1 Battery
Collection Date: 12/20/2021 10:05:00 AM
Lab ID: 2112C69-005 **Matrix:** SOIL
Received Date: 12/22/2021 7:25:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LRN**	
Chloride	ND	61		mg/Kg	20	12/29/2021 5:02:18 PM	64786
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	12/27/2021 8:22:36 PM	64720
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/27/2021 8:22:36 PM	64720
Surr: DNOP	82.4	70-130		%Rec	1	12/27/2021 8:22:36 PM	64720
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/28/2021 2:02:20 PM	64699
Surr: BFB	95.6	70-130		%Rec	1	12/28/2021 2:02:20 PM	64699
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	12/28/2021 2:02:20 PM	64699
Toluene	ND	0.048		mg/Kg	1	12/28/2021 2:02:20 PM	64699
Ethylbenzene	ND	0.048		mg/Kg	1	12/28/2021 2:02:20 PM	64699
Xylenes, Total	ND	0.095		mg/Kg	1	12/28/2021 2:02:20 PM	64699
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	12/28/2021 2:02:20 PM	64699

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

Qualifiers:

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

Analytical Report
Lab Order **2112C69**
Date Reported: **1/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-22/4
Project: Nicholas BJ 1 Battery
Collection Date: 12/20/2021 10:12:00 AM
Lab ID: 2112C69-006 **Matrix:** SOIL
Received Date: 12/22/2021 7:25:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LRN**	
Chloride	81	60		mg/Kg	20	12/29/2021 5:14:43 PM	64786
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	12/27/2021 8:33:04 PM	64720
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	12/27/2021 8:33:04 PM	64720
Surr: DNOP	93.3	70-130		%Rec	1	12/27/2021 8:33:04 PM	64720
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/28/2021 2:25:40 PM	64699
Surr: BFB	101	70-130		%Rec	1	12/28/2021 2:25:40 PM	64699
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	12/28/2021 2:25:40 PM	64699
Toluene	ND	0.049		mg/Kg	1	12/28/2021 2:25:40 PM	64699
Ethylbenzene	ND	0.049		mg/Kg	1	12/28/2021 2:25:40 PM	64699
Xylenes, Total	ND	0.097		mg/Kg	1	12/28/2021 2:25:40 PM	64699
Surr: 4-Bromofluorobenzene	109	70-130		%Rec	1	12/28/2021 2:25:40 PM	64699

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

Qualifiers:

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

Analytical Report
Lab Order **2112C69**
Date Reported: **1/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-23/0
Project: Nicholas BJ 1 Battery
Collection Date: 12/20/2021 10:39:00 AM
Lab ID: 2112C69-007 **Matrix:** SOIL
Received Date: 12/22/2021 7:25:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LRN**	
Chloride	ND	60		mg/Kg	20	12/29/2021 5:27:08 PM	64786
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	12/27/2021 8:43:31 PM	64720
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/27/2021 8:43:31 PM	64720
Surr: DNOP	90.3	70-130		%Rec	1	12/27/2021 8:43:31 PM	64720
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/28/2021 2:49:20 PM	64699
Surr: BFB	93.4	70-130		%Rec	1	12/28/2021 2:49:20 PM	64699
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.023		mg/Kg	1	12/28/2021 2:49:20 PM	64699
Toluene	ND	0.047		mg/Kg	1	12/28/2021 2:49:20 PM	64699
Ethylbenzene	ND	0.047		mg/Kg	1	12/28/2021 2:49:20 PM	64699
Xylenes, Total	ND	0.093		mg/Kg	1	12/28/2021 2:49:20 PM	64699
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	12/28/2021 2:49:20 PM	64699

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

Qualifiers:

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

Analytical Report
Lab Order **2112C69**
Date Reported: **1/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-23/4
Project: Nicholas BJ 1 Battery
Collection Date: 12/20/2021 10:49:00 AM
Lab ID: 2112C69-008 **Matrix:** SOIL
Received Date: 12/22/2021 7:25:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**LRN**
Chloride	100	60		mg/Kg	20	12/29/2021 5:39:33 PM	64786
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**SB**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	12/27/2021 8:54:06 PM	64720
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/27/2021 8:54:06 PM	64720
Surr: DNOP	95.1	70-130		%Rec	1	12/27/2021 8:54:06 PM	64720
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/28/2021 5:10:46 PM	64699
Surr: BFB	100	70-130		%Rec	1	12/28/2021 5:10:46 PM	64699
EPA METHOD 8021B: VOLATILES						Analyst:	**NSB**
Benzene	ND	0.025		mg/Kg	1	12/28/2021 5:10:46 PM	64699
Toluene	ND	0.049		mg/Kg	1	12/28/2021 5:10:46 PM	64699
Ethylbenzene	ND	0.049		mg/Kg	1	12/28/2021 5:10:46 PM	64699
Xylenes, Total	ND	0.098		mg/Kg	1	12/28/2021 5:10:46 PM	64699
Surr: 4-Bromofluorobenzene	110	70-130		%Rec	1	12/28/2021 5:10:46 PM	64699

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

Qualifiers:

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

Analytical Report
Lab Order **2112C69**
Date Reported: **1/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-24/0
Project: Nicholas BJ 1 Battery
Collection Date: 12/20/2021 11:29:00 AM
Lab ID: 2112C69-009 **Matrix:** SOIL **Received Date:** 12/22/2021 7:25:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LRN**	
Chloride	ND	60		mg/Kg	20	12/29/2021 5:51:58 PM	64786
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	12/28/2021 2:30:25 PM	64720
Motor Oil Range Organics (MRO)	ND	51		mg/Kg	1	12/28/2021 2:30:25 PM	64720
Surr: DNOP	93.4	70-130		%Rec	1	12/28/2021 2:30:25 PM	64720
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/28/2021 5:34:22 PM	64699
Surr: BFB	97.3	70-130		%Rec	1	12/28/2021 5:34:22 PM	64699
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	12/28/2021 5:34:22 PM	64699
Toluene	ND	0.047		mg/Kg	1	12/28/2021 5:34:22 PM	64699
Ethylbenzene	ND	0.047		mg/Kg	1	12/28/2021 5:34:22 PM	64699
Xylenes, Total	ND	0.094		mg/Kg	1	12/28/2021 5:34:22 PM	64699
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	12/28/2021 5:34:22 PM	64699

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

Qualifiers:

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

Analytical Report
Lab Order **2112C69**
Date Reported: **1/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-24/4
Project: Nicholas BJ 1 Battery
Collection Date: 12/20/2021 11:37:00 AM
Lab ID: 2112C69-010 **Matrix:** SOIL
Received Date: 12/22/2021 7:25:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**LRN**
Chloride	ND	60		mg/Kg	20	12/29/2021 6:04:23 PM	64786
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**SB**
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	12/27/2021 9:15:25 PM	64720
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	12/27/2021 9:15:25 PM	64720
Surr: DNOP	90.9	70-130		%Rec	1	12/27/2021 9:15:25 PM	64720
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/28/2021 5:58:03 PM	64699
Surr: BFB	96.7	70-130		%Rec	1	12/28/2021 5:58:03 PM	64699
EPA METHOD 8021B: VOLATILES						Analyst:	**NSB**
Benzene	ND	0.024		mg/Kg	1	12/28/2021 5:58:03 PM	64699
Toluene	ND	0.047		mg/Kg	1	12/28/2021 5:58:03 PM	64699
Ethylbenzene	ND	0.047		mg/Kg	1	12/28/2021 5:58:03 PM	64699
Xylenes, Total	ND	0.095		mg/Kg	1	12/28/2021 5:58:03 PM	64699
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	12/28/2021 5:58:03 PM	64699

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

Qualifiers:

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

Analytical Report
Lab Order **2112C69**
Date Reported: **1/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-25/0
Project: Nicholas BJ 1 Battery
Collection Date: 12/20/2021 2:02:00 PM
Lab ID: 2112C69-011
Matrix: SOIL
Received Date: 12/22/2021 7:25:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LRN**	
Chloride	ND	60		mg/Kg	20	12/29/2021 6:16:48 PM	64786
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	86	10		mg/Kg	1	12/28/2021 8:54:16 PM	64720
Motor Oil Range Organics (MRO)	430	50		mg/Kg	1	12/28/2021 8:54:16 PM	64720
Surr: DNOP	89.5	70-130		%Rec	1	12/28/2021 8:54:16 PM	64720
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/27/2021 2:04:00 PM	64717
Surr: BFB	86.8	70-130		%Rec	1	12/27/2021 2:04:00 PM	64717
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.025		mg/Kg	1	12/27/2021 2:04:00 PM	64717
Toluene	ND	0.050		mg/Kg	1	12/27/2021 2:04:00 PM	64717
Ethylbenzene	ND	0.050		mg/Kg	1	12/27/2021 2:04:00 PM	64717
Xylenes, Total	ND	0.099		mg/Kg	1	12/27/2021 2:04:00 PM	64717
Surr: 4-Bromofluorobenzene	76.9	70-130		%Rec	1	12/27/2021 2:04:00 PM	64717

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

Qualifiers:

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

Analytical Report
Lab Order **2112C69**
Date Reported: **1/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-25/4
Project: Nicholas BJ 1 Battery
Collection Date: 12/20/2021 2:11:00 PM
Lab ID: 2112C69-012 **Matrix:** SOIL **Received Date:** 12/22/2021 7:25:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LRN**	
Chloride	ND	60		mg/Kg	20	12/29/2021 6:54:01 PM	64786
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	12/27/2021 9:36:47 PM	64720
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	12/27/2021 9:36:47 PM	64720
Surr: DNOP	90.5	70-130		%Rec	1	12/27/2021 9:36:47 PM	64720
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/27/2021 2:24:00 PM	64717
Surr: BFB	86.9	70-130		%Rec	1	12/27/2021 2:24:00 PM	64717
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.025		mg/Kg	1	12/27/2021 2:24:00 PM	64717
Toluene	ND	0.050		mg/Kg	1	12/27/2021 2:24:00 PM	64717
Ethylbenzene	ND	0.050		mg/Kg	1	12/27/2021 2:24:00 PM	64717
Xylenes, Total	ND	0.10		mg/Kg	1	12/27/2021 2:24:00 PM	64717
Surr: 4-Bromofluorobenzene	79.2	70-130		%Rec	1	12/27/2021 2:24:00 PM	64717

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

Qualifiers:

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

Analytical Report
Lab Order **2112C69**
Date Reported: **1/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-26/0
Project: Nicholas BJ 1 Battery
Collection Date: 12/20/2021 2:28:00 PM
Lab ID: 2112C69-013 **Matrix:** SOIL
Received Date: 12/22/2021 7:25:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LRN**	
Chloride	ND	60		mg/Kg	20	12/29/2021 7:06:27 PM	64786
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	33	8.9		mg/Kg	1	12/29/2021 10:51:53 PM	64720
Motor Oil Range Organics (MRO)	150	44		mg/Kg	1	12/29/2021 10:51:53 PM	64720
Surr: DNOP	86.8	70-130		%Rec	1	12/29/2021 10:51:53 PM	64720
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/27/2021 3:23:00 PM	64717
Surr: BFB	87.5	70-130		%Rec	1	12/27/2021 3:23:00 PM	64717
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.024		mg/Kg	1	12/27/2021 3:23:00 PM	64717
Toluene	ND	0.048		mg/Kg	1	12/27/2021 3:23:00 PM	64717
Ethylbenzene	ND	0.048		mg/Kg	1	12/27/2021 3:23:00 PM	64717
Xylenes, Total	ND	0.097		mg/Kg	1	12/27/2021 3:23:00 PM	64717
Surr: 4-Bromofluorobenzene	79.4	70-130		%Rec	1	12/27/2021 3:23:00 PM	64717

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

Qualifiers:

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

Analytical Report
Lab Order **2112C69**
Date Reported: **1/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-26/4
Project: Nicholas BJ 1 Battery
Collection Date: 12/20/2021 2:37:00 PM
Lab ID: 2112C69-014 **Matrix:** SOIL **Received Date:** 12/22/2021 7:25:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**LRN**
Chloride	700	60		mg/Kg	20	12/29/2021 7:18:52 PM	64786
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**SB**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	12/27/2021 9:58:15 PM	64720
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/27/2021 9:58:15 PM	64720
Surr: DNOP	95.7	70-130		%Rec	1	12/27/2021 9:58:15 PM	64720
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**mb**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/27/2021 3:43:00 PM	64717
Surr: BFB	82.4	70-130		%Rec	1	12/27/2021 3:43:00 PM	64717
EPA METHOD 8021B: VOLATILES						Analyst:	**mb**
Benzene	ND	0.024		mg/Kg	1	12/27/2021 3:43:00 PM	64717
Toluene	ND	0.049		mg/Kg	1	12/27/2021 3:43:00 PM	64717
Ethylbenzene	ND	0.049		mg/Kg	1	12/27/2021 3:43:00 PM	64717
Xylenes, Total	ND	0.097		mg/Kg	1	12/27/2021 3:43:00 PM	64717
Surr: 4-Bromofluorobenzene	75.2	70-130		%Rec	1	12/27/2021 3:43:00 PM	64717

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

Qualifiers:

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

Analytical Report
Lab Order **2112C69**
Date Reported: **1/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-27/4
Project: Nicholas BJ 1 Battery
Collection Date: 12/20/2021 3:02:00 PM
Lab ID: 2112C69-015 **Matrix:** SOIL **Received Date:** 12/22/2021 7:25:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LRN**	
Chloride	2100	60		mg/Kg	20	12/29/2021 9:35:23 PM	64794
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	12/27/2021 10:08:59 PM	64720
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	12/27/2021 10:08:59 PM	64720
Surr: DNOP	90.6	70-130		%Rec	1	12/27/2021 10:08:59 PM	64720
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/27/2021 4:02:00 PM	64717
Surr: BFB	86.5	70-130		%Rec	1	12/27/2021 4:02:00 PM	64717
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.024		mg/Kg	1	12/27/2021 4:02:00 PM	64717
Toluene	ND	0.048		mg/Kg	1	12/27/2021 4:02:00 PM	64717
Ethylbenzene	ND	0.048		mg/Kg	1	12/27/2021 4:02:00 PM	64717
Xylenes, Total	ND	0.097		mg/Kg	1	12/27/2021 4:02:00 PM	64717
Surr: 4-Bromofluorobenzene	78.5	70-130		%Rec	1	12/27/2021 4:02:00 PM	64717

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

Qualifiers:

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

Analytical Report
Lab Order **2112C69**
Date Reported: **1/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-27/8
Project: Nicholas BJ 1 Battery
Collection Date: 12/20/2021 3:34:00 PM
Lab ID: 2112C69-016 **Matrix:** SOIL **Received Date:** 12/22/2021 7:25:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LRN**	
Chloride	520	60		mg/Kg	20	12/29/2021 9:47:47 PM	64794
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	12/27/2021 10:19:52 PM	64720
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	12/27/2021 10:19:52 PM	64720
Surr: DNOP	96.0	70-130		%Rec	1	12/27/2021 10:19:52 PM	64720
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/27/2021 4:22:00 PM	64717
Surr: BFB	85.4	70-130		%Rec	1	12/27/2021 4:22:00 PM	64717
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.024		mg/Kg	1	12/27/2021 4:22:00 PM	64717
Toluene	ND	0.047		mg/Kg	1	12/27/2021 4:22:00 PM	64717
Ethylbenzene	ND	0.047		mg/Kg	1	12/27/2021 4:22:00 PM	64717
Xylenes, Total	ND	0.094		mg/Kg	1	12/27/2021 4:22:00 PM	64717
Surr: 4-Bromofluorobenzene	77.2	70-130		%Rec	1	12/27/2021 4:22:00 PM	64717

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

Qualifiers:

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

Analytical Report
Lab Order **2112C69**
Date Reported: **1/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-28/0
Project: Nicholas BJ 1 Battery
Collection Date: 12/20/2021 3:52:00 PM
Lab ID: 2112C69-017
Matrix: SOIL
Received Date: 12/22/2021 7:25:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LRN**	
Chloride	94	60		mg/Kg	20	12/29/2021 10:00:11 PM	64794
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	8.5		mg/Kg	1	12/27/2021 10:30:46 PM	64720
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	12/27/2021 10:30:46 PM	64720
Surr: DNOP	87.4	70-130		%Rec	1	12/27/2021 10:30:46 PM	64720
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	12/27/2021 4:42:00 PM	64717
Surr: BFB	84.8	70-130		%Rec	1	12/27/2021 4:42:00 PM	64717
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.023		mg/Kg	1	12/27/2021 4:42:00 PM	64717
Toluene	ND	0.046		mg/Kg	1	12/27/2021 4:42:00 PM	64717
Ethylbenzene	ND	0.046		mg/Kg	1	12/27/2021 4:42:00 PM	64717
Xylenes, Total	ND	0.092		mg/Kg	1	12/27/2021 4:42:00 PM	64717
Surr: 4-Bromofluorobenzene	79.1	70-130		%Rec	1	12/27/2021 4:42:00 PM	64717

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

Qualifiers:

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

Analytical Report
Lab Order **2112C69**
Date Reported: **1/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-28/4
Project: Nicholas BJ 1 Battery
Collection Date: 12/20/2021 4:00:00 PM
Lab ID: 2112C69-018 **Matrix:** SOIL
Received Date: 12/22/2021 7:25:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LRN**	
Chloride	120	59		mg/Kg	20	12/29/2021 10:12:36 PM	64794
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	12/27/2021 10:41:40 PM	64720
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/27/2021 10:41:40 PM	64720
Surr: DNOP	93.3	70-130		%Rec	1	12/27/2021 10:41:40 PM	64720
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/27/2021 5:02:00 PM	64717
Surr: BFB	82.2	70-130		%Rec	1	12/27/2021 5:02:00 PM	64717
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.024		mg/Kg	1	12/27/2021 5:02:00 PM	64717
Toluene	ND	0.048		mg/Kg	1	12/27/2021 5:02:00 PM	64717
Ethylbenzene	ND	0.048		mg/Kg	1	12/27/2021 5:02:00 PM	64717
Xylenes, Total	ND	0.095		mg/Kg	1	12/27/2021 5:02:00 PM	64717
Surr: 4-Bromofluorobenzene	74.2	70-130		%Rec	1	12/27/2021 5:02:00 PM	64717

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

Qualifiers:

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

Analytical Report
Lab Order **2112C69**
Date Reported: **1/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-29/4
Project: Nicholas BJ 1 Battery
Collection Date: 12/21/2021 8:40:00 AM
Lab ID: 2112C69-019 **Matrix:** SOIL
Received Date: 12/22/2021 7:25:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LRN**	
Chloride	1400	61		mg/Kg	20	12/29/2021 10:25:01 PM	64794
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	12/27/2021 10:52:32 PM	64720
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	12/27/2021 10:52:32 PM	64720
Surr: DNOP	95.4	70-130		%Rec	1	12/27/2021 10:52:32 PM	64720
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/27/2021 5:21:00 PM	64717
Surr: BFB	85.2	70-130		%Rec	1	12/27/2021 5:21:00 PM	64717
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.024		mg/Kg	1	12/27/2021 5:21:00 PM	64717
Toluene	ND	0.049		mg/Kg	1	12/27/2021 5:21:00 PM	64717
Ethylbenzene	ND	0.049		mg/Kg	1	12/27/2021 5:21:00 PM	64717
Xylenes, Total	ND	0.098		mg/Kg	1	12/27/2021 5:21:00 PM	64717
Surr: 4-Bromofluorobenzene	78.6	70-130		%Rec	1	12/27/2021 5:21:00 PM	64717

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

Qualifiers:

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

Analytical Report
Lab Order **2112C69**
Date Reported: **1/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-29/9
Project: Nicholas BJ 1 Battery
Collection Date: 12/21/2021 9:39:00 AM
Lab ID: 2112C69-020 **Matrix:** SOIL
Received Date: 12/22/2021 7:25:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LRN**	
Chloride	700	60		mg/Kg	20	12/29/2021 10:37:27 PM	64794
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	12/27/2021 11:03:21 PM	64720
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	12/27/2021 11:03:21 PM	64720
Surr: DNOP	93.2	70-130		%Rec	1	12/27/2021 11:03:21 PM	64720
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/27/2021 5:41:00 PM	64717
Surr: BFB	82.4	70-130		%Rec	1	12/27/2021 5:41:00 PM	64717
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.024		mg/Kg	1	12/27/2021 5:41:00 PM	64717
Toluene	ND	0.048		mg/Kg	1	12/27/2021 5:41:00 PM	64717
Ethylbenzene	ND	0.048		mg/Kg	1	12/27/2021 5:41:00 PM	64717
Xylenes, Total	ND	0.097		mg/Kg	1	12/27/2021 5:41:00 PM	64717
Surr: 4-Bromofluorobenzene	74.2	70-130		%Rec	1	12/27/2021 5:41:00 PM	64717

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

Qualifiers:

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

Analytical Report
Lab Order **2112C69**
Date Reported: **1/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-30/0
Project: Nicholas BJ 1 Battery
Collection Date: 12/21/2021 10:00:00 AM
Lab ID: 2112C69-021 **Matrix:** SOIL **Received Date:** 12/22/2021 7:25:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LRN**	
Chloride	ND	60		mg/Kg	20	12/29/2021 10:49:52 PM	64794
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	86	10		mg/Kg	1	12/28/2021 8:12:21 PM	64721
Motor Oil Range Organics (MRO)	290	50		mg/Kg	1	12/28/2021 8:12:21 PM	64721
Surr: DNOP	91.8	70-130		%Rec	1	12/28/2021 8:12:21 PM	64721
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/27/2021 6:01:00 PM	64717
Surr: BFB	84.1	70-130		%Rec	1	12/27/2021 6:01:00 PM	64717
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.025		mg/Kg	1	12/27/2021 6:01:00 PM	64717
Toluene	ND	0.050		mg/Kg	1	12/27/2021 6:01:00 PM	64717
Ethylbenzene	ND	0.050		mg/Kg	1	12/27/2021 6:01:00 PM	64717
Xylenes, Total	ND	0.099		mg/Kg	1	12/27/2021 6:01:00 PM	64717
Surr: 4-Bromofluorobenzene	74.6	70-130		%Rec	1	12/27/2021 6:01:00 PM	64717

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

Qualifiers:

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

Analytical Report
Lab Order **2112C69**
Date Reported: **1/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-30/4
Project: Nicholas BJ 1 Battery
Collection Date: 12/21/2021 10:09:00 AM
Lab ID: 2112C69-022 **Matrix:** SOIL **Received Date:** 12/22/2021 7:25:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LRN**	
Chloride	750	60		mg/Kg	20	12/29/2021 11:02:17 PM	64794
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	12/27/2021 12:48:45 PM	64721
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/27/2021 12:48:45 PM	64721
Surr: DNOP	95.0	70-130		%Rec	1	12/27/2021 12:48:45 PM	64721
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/27/2021 6:20:00 PM	64717
Surr: BFB	81.6	70-130		%Rec	1	12/27/2021 6:20:00 PM	64717
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.024		mg/Kg	1	12/27/2021 6:20:00 PM	64717
Toluene	ND	0.049		mg/Kg	1	12/27/2021 6:20:00 PM	64717
Ethylbenzene	ND	0.049		mg/Kg	1	12/27/2021 6:20:00 PM	64717
Xylenes, Total	ND	0.097		mg/Kg	1	12/27/2021 6:20:00 PM	64717
Surr: 4-Bromofluorobenzene	75.0	70-130		%Rec	1	12/27/2021 6:20:00 PM	64717

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

Qualifiers:

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

Analytical Report
Lab Order **2112C69**
Date Reported: **1/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-31/0
Project: Nicholas BJ 1 Battery
Collection Date: 12/21/2021 10:29:00 AM
Lab ID: 2112C69-023 **Matrix:** SOIL
Received Date: 12/22/2021 7:25:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LRN**	
Chloride	800	60		mg/Kg	20	12/29/2021 11:39:31 PM	64794
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	53	9.9		mg/Kg	1	12/29/2021 10:30:45 PM	64721
Motor Oil Range Organics (MRO)	210	49		mg/Kg	1	12/29/2021 10:30:45 PM	64721
Surr: DNOP	94.5	70-130		%Rec	1	12/29/2021 10:30:45 PM	64721
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/27/2021 7:20:00 PM	64717
Surr: BFB	87.9	70-130		%Rec	1	12/27/2021 7:20:00 PM	64717
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.024		mg/Kg	1	12/27/2021 7:20:00 PM	64717
Toluene	ND	0.047		mg/Kg	1	12/27/2021 7:20:00 PM	64717
Ethylbenzene	ND	0.047		mg/Kg	1	12/27/2021 7:20:00 PM	64717
Xylenes, Total	ND	0.094		mg/Kg	1	12/27/2021 7:20:00 PM	64717
Surr: 4-Bromofluorobenzene	78.4	70-130		%Rec	1	12/27/2021 7:20:00 PM	64717

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

Qualifiers:

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

Analytical Report
Lab Order **2112C69**
Date Reported: **1/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-31/4
Project: Nicholas BJ 1 Battery
Collection Date: 12/21/2021 10:37:00 AM
Lab ID: 2112C69-024 **Matrix:** SOIL
Received Date: 12/22/2021 7:25:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LRN**	
Chloride	510	60		mg/Kg	20	12/29/2021 11:51:56 PM	64794
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	12/27/2021 1:09:39 PM	64721
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/27/2021 1:09:39 PM	64721
Surr: DNOP	90.8	70-130		%Rec	1	12/27/2021 1:09:39 PM	64721
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/27/2021 7:39:00 PM	64717
Surr: BFB	84.2	70-130		%Rec	1	12/27/2021 7:39:00 PM	64717
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.024		mg/Kg	1	12/27/2021 7:39:00 PM	64717
Toluene	ND	0.048		mg/Kg	1	12/27/2021 7:39:00 PM	64717
Ethylbenzene	ND	0.048		mg/Kg	1	12/27/2021 7:39:00 PM	64717
Xylenes, Total	ND	0.097		mg/Kg	1	12/27/2021 7:39:00 PM	64717
Surr: 4-Bromofluorobenzene	77.6	70-130		%Rec	1	12/27/2021 7:39:00 PM	64717

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

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2112C69**

04-Jan-22

Client: EOG

Project: Nicholas BJ 1 Battery

Sample ID: **MB-64786** SampType: **mblk** TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS** Batch ID: **64786** RunNo: **84845**
Prep Date: **12/29/2021** Analysis Date: **12/29/2021** SeqNo: **2985275** Units: **mg/Kg**

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

Sample ID: **LCS-64786** SampType: **lcs** TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS** Batch ID: **64786** RunNo: **84845**
Prep Date: **12/29/2021** Analysis Date: **12/29/2021** SeqNo: **2985276** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.3	90	110			

Sample ID: **MB-64794** SampType: **mblk** TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS** Batch ID: **64794** RunNo: **84845**
Prep Date: **12/29/2021** Analysis Date: **12/29/2021** SeqNo: **2985315** Units: **mg/Kg**

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

Sample ID: **LCS-64794** SampType: **lcs** TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS** Batch ID: **64794** RunNo: **84845**
Prep Date: **12/29/2021** Analysis Date: **12/29/2021** SeqNo: **2985316** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.4	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical 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#: **2112C69**

04-Jan-22

Client: EOG

Project: Nicholas BJ 1 Battery

Sample ID: **LCS-64710** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **64710** RunNo: **84779**
Prep Date: **12/23/2021** Analysis Date: **12/27/2021** SeqNo: **2982377** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	89.8	68.9	135			
Surr: DNOP	4.5		5.000		90.5	70	130			

Sample ID: **LCS-64720** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **64720** RunNo: **84779**
Prep Date: **12/23/2021** Analysis Date: **12/27/2021** SeqNo: **2982378** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	93.9	68.9	135			
Surr: DNOP	4.7		5.000		93.3	70	130			

Sample ID: **LCS-64721** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **64721** RunNo: **84779**
Prep Date: **12/23/2021** Analysis Date: **12/27/2021** SeqNo: **2982379** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	90.1	68.9	135			
Surr: DNOP	4.5		5.000		89.8	70	130			

Sample ID: **MB-64710** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS** Batch ID: **64710** RunNo: **84779**
Prep Date: **12/23/2021** Analysis Date: **12/27/2021** SeqNo: **2982380** 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		102	70	130			

Sample ID: **MB-64720** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS** Batch ID: **64720** RunNo: **84779**
Prep Date: **12/23/2021** Analysis Date: **12/27/2021** SeqNo: **2982381** 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	9.5		10.00		95.1	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical 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#: **2112C69**

04-Jan-22

Client: EOG

Project: Nicholas BJ 1 Battery

Sample ID: **MB-64721**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **64721**	RunNo: **84779**
Prep Date: **12/23/2021**	Analysis Date: **12/27/2021**	SeqNo: **2982382** 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	9.5		10.00		95.2	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical 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#: **2112C69**

04-Jan-22

Client: EOG

Project: Nicholas BJ 1 Battery

Sample ID: **lcs-64699**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **64699**	RunNo: **84776**
Prep Date: **12/22/2021**	Analysis Date: **12/24/2021**	SeqNo: **2981532** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	93.7	78.6	131			
Surr: BFB	1000		1000		103	70	130			

Sample ID: **mb-64699**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **64699**	RunNo: **84776**
Prep Date: **12/22/2021**	Analysis Date: **12/24/2021**	SeqNo: **2981534** 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	980		1000		98.3	70	130			

Sample ID: **mb-64717**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **64717**	RunNo: **84781**
Prep Date: **12/23/2021**	Analysis Date: **12/27/2021**	SeqNo: **2981729** 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	810		1000		80.5	70	130			

Sample ID: **lcs-64717**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **64717**	RunNo: **84781**
Prep Date: **12/23/2021**	Analysis Date: **12/27/2021**	SeqNo: **2981730** 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	96.7	78.6	131			
Surr: BFB	960		1000		95.8	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical 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#: **2112C69**

04-Jan-22

Client: EOG

Project: Nicholas BJ 1 Battery

Sample ID: **LCS-64699**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **64699**	RunNo: **84776**
Prep Date: **12/22/2021**	Analysis Date: **12/24/2021**	SeqNo: **2981611** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.99	0.025	1.000	0	98.8	80	120			
Toluene	0.97	0.050	1.000	0	97.3	80	120			
Ethylbenzene	0.97	0.050	1.000	0	97.0	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.2	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		101	70	130			

Sample ID: **mb-64699**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **64699**	RunNo: **84776**
Prep Date: **12/22/2021**	Analysis Date: **12/24/2021**	SeqNo: **2981613** 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		103	70	130			

Sample ID: **mb-64717**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **64717**	RunNo: **84781**
Prep Date: **12/23/2021**	Analysis Date: **12/27/2021**	SeqNo: **2981737** 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	0.79		1.000		78.9	70	130			

Sample ID: **lcs-64717**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **64717**	RunNo: **84781**
Prep Date: **12/23/2021**	Analysis Date: **12/27/2021**	SeqNo: **2981738** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.025	1.000	0	91.6	80	120			
Toluene	0.89	0.050	1.000	0	89.4	80	120			
Ethylbenzene	0.88	0.050	1.000	0	88.2	80	120			
Xylenes, Total	2.6	0.10	3.000	0	85.5	80	120			
Surr: 4-Bromofluorobenzene	0.78		1.000		78.4	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	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: EOG | Work Order Number: 2112C69 | RcptNo: 1

Received By: Isaiah Ortiz 12/22/2021 7:25:00 AM I-Ox

Completed By: Isaiah Ortiz 12/22/2021 8:13:19 AM I-Ox

Reviewed By: KBG 12/22/21

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: JR 12/22/21

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	3.2	Good	Not Present			

Chain-of-Custody Record

Client: EOG - Artesia / Ranger Env.

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

Phone #: 521-335-1785

email or Fax#: Will@Rangerenv.com

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

Accreditation: ☐ Az Compliance ☒ NELAC ☐ Other

☒ EDD (Type) Excel

Turn-Around Time: ☐ Standard ☒ Rush 5 Day

Project Name: Nicholas BJ #1 (Battery)

Project #: 5375

Project Manager: W. Kierdorf

Sampler: W. Kennedy

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 3.2°C ±0 (°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. 2117C69	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chloride (EPA 300)
12/20/21	0900	Soil	TH-20/0	1x4oz Jar	Ice	001	X	X									X
	0909		TH-20/4			002											
	0920		TH-21/0			003											
	0931		TH-21/4			004											
	1005		TH-22/0			005											
	1012		TH-22/4			006											
	1039		TH-23/0			007											
	1049		TH-23/4			008											
	1129		TH-24/0			009											
	1137		TH-24/4			12/22 0010											
	1402		TH-25/0			011											
	1411		TH-25/4			012											

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
12/21/20	1150	W. Kennedy			12/21/21	1150
12/21/21	1900			Courier	12/22/21	0725

Remarks:

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

Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.

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

Phone #: 521-335-1785

email or Fax#: Will@RangerEnv.com

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

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

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

Project Name: Nicholas BJ #1 (Battery)

Project #: 5375

Project Manager: Kiedan W. ~~Kennedy~~

Sampler: W. Kennedy

On Ice: ☑ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 3.2°C +0 (°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. 2112C69	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chloride (EPA 300)
12/20/21	1428	Soil	TH-26/0	1x4oz Jar	Ice	013	X	X									
	1437		TH-26/4			014											
	1502		TH-27/4			015											
	1534		TH-27/8			016											
	1552		TH-28/0			017											
	1600		TH-28/4			018											
12/21/21	0840		TH-29/4			019											
	0939		TH-29/9			020											
	1000		TH-30/0			021											
	1009		TH-30/4			022											
	1029		TH-31/0			023											
	1037		TH-31/4			024											

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
12/21/21	11:50	W. Kennedy			12/21/21	1150
12/21/21	1900					

Received by: via: Date Time
12/22/21 0725

Remarks:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

January 04, 2022

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

RE: Nicholas BJ 1 Battery OrderNo.: 2112D58

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 8 sample(s) on 12/23/2021 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 **2112D58**
Date Reported: **1/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH-32/0
Project: Nicholas BJ 1 Battery **Collection Date:** 12/21/2021 1:30:00 PM
Lab ID: 2112D58-001 **Matrix:** SOIL **Received Date:** 12/23/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	1/3/2022 5:26:42 PM	64806
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	12/29/2021 7:22:07 PM	64752
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/29/2021 7:22:07 PM	64752
Surr: DNOP	103	70-130		%Rec	1	12/29/2021 7:22:07 PM	64752
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/28/2021 7:32:08 PM	64736
Surr: BFB	100	70-130		%Rec	1	12/28/2021 7:32:08 PM	64736
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	12/28/2021 7:32:08 PM	64736
Toluene	ND	0.049		mg/Kg	1	12/28/2021 7:32:08 PM	64736
Ethylbenzene	ND	0.049		mg/Kg	1	12/28/2021 7:32:08 PM	64736
Xylenes, Total	ND	0.099		mg/Kg	1	12/28/2021 7:32:08 PM	64736
Surr: 4-Bromofluorobenzene	109	70-130		%Rec	1	12/28/2021 7:32:08 PM	64736

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

Qualifiers:

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

Analytical Report
Lab Order **2112D58**
Date Reported: **1/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-32/4
Project: Nicholas BJ 1 Battery
Collection Date: 12/21/2021 1:40:00 PM
Lab ID: 2112D58-002 **Matrix:** SOIL **Received Date:** 12/23/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	120	60		mg/Kg	20	1/3/2022 6:03:55 PM	64806
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	12/29/2021 7:42:58 PM	64752
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/29/2021 7:42:58 PM	64752
Surr: DNOP	102	70-130		%Rec	1	12/29/2021 7:42:58 PM	64752
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/28/2021 8:42:45 PM	64736
Surr: BFB	96.6	70-130		%Rec	1	12/28/2021 8:42:45 PM	64736
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	12/28/2021 8:42:45 PM	64736
Toluene	ND	0.047		mg/Kg	1	12/28/2021 8:42:45 PM	64736
Ethylbenzene	ND	0.047		mg/Kg	1	12/28/2021 8:42:45 PM	64736
Xylenes, Total	ND	0.095		mg/Kg	1	12/28/2021 8:42:45 PM	64736
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	12/28/2021 8:42:45 PM	64736

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

Qualifiers:

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

Analytical Report
Lab Order **2112D58**
Date Reported: **1/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH-33/3
Project: Nicholas BJ 1 Battery **Collection Date:** 12/21/2021 2:08:00 PM
Lab ID: 2112D58-003 **Matrix:** SOIL **Received Date:** 12/23/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	610	60		mg/Kg	20	1/3/2022 12:44:31 PM	64817
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	12/29/2021 7:53:21 PM	64752
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/29/2021 7:53:21 PM	64752
Surr: DNOP	91.0	70-130		%Rec	1	12/29/2021 7:53:21 PM	64752
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/28/2021 9:06:16 PM	64736
Surr: BFB	96.5	70-130		%Rec	1	12/28/2021 9:06:16 PM	64736
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	12/28/2021 9:06:16 PM	64736
Toluene	ND	0.050		mg/Kg	1	12/28/2021 9:06:16 PM	64736
Ethylbenzene	ND	0.050		mg/Kg	1	12/28/2021 9:06:16 PM	64736
Xylenes, Total	ND	0.10		mg/Kg	1	12/28/2021 9:06:16 PM	64736
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	12/28/2021 9:06:16 PM	64736

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

Qualifiers:

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

Analytical Report
Lab Order **2112D58**
Date Reported: **1/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH-33/6
Project: Nicholas BJ 1 Battery **Collection Date:** 12/21/2021 2:23:00 PM
Lab ID: 2112D58-004 **Matrix:** SOIL **Received Date:** 12/23/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	630	60		mg/Kg	20	1/3/2022 12:56:52 PM	64817
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	12/29/2021 8:03:48 PM	64752
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/29/2021 8:03:48 PM	64752
Surr: DNOP	109	70-130		%Rec	1	12/29/2021 8:03:48 PM	64752
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/28/2021 9:29:48 PM	64736
Surr: BFB	96.3	70-130		%Rec	1	12/28/2021 9:29:48 PM	64736
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	12/28/2021 9:29:48 PM	64736
Toluene	ND	0.047		mg/Kg	1	12/28/2021 9:29:48 PM	64736
Ethylbenzene	ND	0.047		mg/Kg	1	12/28/2021 9:29:48 PM	64736
Xylenes, Total	ND	0.094		mg/Kg	1	12/28/2021 9:29:48 PM	64736
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	12/28/2021 9:29:48 PM	64736

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

Qualifiers:

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

Analytical Report
Lab Order **2112D58**
Date Reported: **1/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH-34/0
Project: Nicholas BJ 1 Battery **Collection Date:** 12/21/2021 2:44:00 PM
Lab ID: 2112D58-005 **Matrix:** SOIL **Received Date:** 12/23/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	1/3/2022 1:09:13 PM	64817
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	11	9.6		mg/Kg	1	12/29/2021 8:14:13 PM	64752
Motor Oil Range Organics (MRO)	54	48		mg/Kg	1	12/29/2021 8:14:13 PM	64752
Surr: DNOP	88.5	70-130		%Rec	1	12/29/2021 8:14:13 PM	64752
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	12/28/2021 9:53:22 PM	64736
Surr: BFB	95.4	70-130		%Rec	1	12/28/2021 9:53:22 PM	64736
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.023		mg/Kg	1	12/28/2021 9:53:22 PM	64736
Toluene	ND	0.046		mg/Kg	1	12/28/2021 9:53:22 PM	64736
Ethylbenzene	ND	0.046		mg/Kg	1	12/28/2021 9:53:22 PM	64736
Xylenes, Total	ND	0.092		mg/Kg	1	12/28/2021 9:53:22 PM	64736
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	12/28/2021 9:53:22 PM	64736

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

Qualifiers:

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

Analytical Report
Lab Order **2112D58**
Date Reported: **1/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-34/4
Project: Nicholas BJ 1 Battery
Collection Date: 12/21/2021 2:52:00 PM
Lab ID: 2112D58-006 **Matrix:** SOIL **Received Date:** 12/23/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	100	60		mg/Kg	20	1/3/2022 1:21:34 PM	64817
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	12/29/2021 8:35:01 PM	64752
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/29/2021 8:35:01 PM	64752
Surr: DNOP	98.3	70-130		%Rec	1	12/29/2021 8:35:01 PM	64752
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/28/2021 10:16:56 PM	64736
Surr: BFB	95.2	70-130		%Rec	1	12/28/2021 10:16:56 PM	64736
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	12/28/2021 10:16:56 PM	64736
Toluene	ND	0.048		mg/Kg	1	12/28/2021 10:16:56 PM	64736
Ethylbenzene	ND	0.048		mg/Kg	1	12/28/2021 10:16:56 PM	64736
Xylenes, Total	ND	0.097		mg/Kg	1	12/28/2021 10:16:56 PM	64736
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	12/28/2021 10:16:56 PM	64736

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

Qualifiers:

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

Analytical Report
Lab Order **2112D58**
Date Reported: **1/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH-35/0
Project: Nicholas BJ 1 Battery **Collection Date:** 12/21/2021 3:14:00 PM
Lab ID: 2112D58-007 **Matrix:** SOIL **Received Date:** 12/23/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	1/3/2022 3:12:42 PM	64817
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/30/2021 10:01:47 PM	64791
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/30/2021 10:01:47 PM	64791
Surr: DNOP	80.1	70-130		%Rec	1	12/30/2021 10:01:47 PM	64791
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	12/28/2021 11:27:21 PM	64736
Surr: BFB	94.7	70-130		%Rec	1	12/28/2021 11:27:21 PM	64736
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.023		mg/Kg	1	12/28/2021 11:27:21 PM	64736
Toluene	ND	0.046		mg/Kg	1	12/28/2021 11:27:21 PM	64736
Ethylbenzene	ND	0.046		mg/Kg	1	12/28/2021 11:27:21 PM	64736
Xylenes, Total	ND	0.091		mg/Kg	1	12/28/2021 11:27:21 PM	64736
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	12/28/2021 11:27:21 PM	64736

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

Qualifiers:

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

Analytical Report
Lab Order **2112D58**
Date Reported: **1/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH-35/4
Project: Nicholas BJ 1 Battery **Collection Date:** 12/21/2021 3:22:00 PM
Lab ID: 2112D58-008 **Matrix:** SOIL **Received Date:** 12/23/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	1/3/2022 2:10:57 PM	64817
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	12/30/2021 10:12:42 PM	64791
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/30/2021 10:12:42 PM	64791
Surr: DNOP	86.8	70-130		%Rec	1	12/30/2021 10:12:42 PM	64791
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/28/2021 11:50:50 PM	64736
Surr: BFB	95.8	70-130		%Rec	1	12/28/2021 11:50:50 PM	64736
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	12/28/2021 11:50:50 PM	64736
Toluene	ND	0.049		mg/Kg	1	12/28/2021 11:50:50 PM	64736
Ethylbenzene	ND	0.049		mg/Kg	1	12/28/2021 11:50:50 PM	64736
Xylenes, Total	ND	0.098		mg/Kg	1	12/28/2021 11:50:50 PM	64736
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	12/28/2021 11:50:50 PM	64736

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

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2112D58**

04-Jan-22

Client: EOG

Project: Nicholas BJ 1 Battery

Sample ID: **MB-64806** SampType: **mblk** TestCode: **EPA Method 300.0: Anions**

Client ID: **PBS** Batch ID: **64806** RunNo: **84914**

Prep Date: **12/30/2021** Analysis Date: **1/3/2022** SeqNo: **2987201** Units: **mg/Kg**

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

Sample ID: **LCS-64806** SampType: **lcs** TestCode: **EPA Method 300.0: Anions**

Client ID: **LCSS** Batch ID: **64806** RunNo: **84914**

Prep Date: **12/30/2021** Analysis Date: **1/3/2022** SeqNo: **2987202** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.0	90	110			

Sample ID: **MB-64817** SampType: **mblk** TestCode: **EPA Method 300.0: Anions**

Client ID: **PBS** Batch ID: **64817** RunNo: **84901**

Prep Date: **1/3/2022** Analysis Date: **1/3/2022** SeqNo: **2987245** Units: **mg/Kg**

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

Sample ID: **LCS-64817** SampType: **lcs** TestCode: **EPA Method 300.0: Anions**

Client ID: **LCSS** Batch ID: **64817** RunNo: **84901**

Prep Date: **1/3/2022** Analysis Date: **1/3/2022** SeqNo: **2987246** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	98.7	90	110			

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2112D58**
04-Jan-22

Client: EOG
Project: Nicholas BJ 1 Battery

Sample ID: **LCS-64752** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **64752** RunNo: **84858**
Prep Date: **12/28/2021** Analysis Date: **12/29/2021** SeqNo: **2985135** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	56	10	50.00	0	113	68.9	135			
Surr: DNOP	4.8		5.000		95.6	70	130			

Sample ID: **MB-64752** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS** Batch ID: **64752** RunNo: **84858**
Prep Date: **12/28/2021** Analysis Date: **12/29/2021** SeqNo: **2985137** 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		100	70	130			

Sample ID: **LCS-64791** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **64791** RunNo: **84875**
Prep Date: **12/29/2021** Analysis Date: **12/30/2021** SeqNo: **2985762** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	56	10	50.00	0	111	68.9	135			
Surr: DNOP	4.7		5.000		94.8	70	130			

Sample ID: **MB-64791** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS** Batch ID: **64791** RunNo: **84875**
Prep Date: **12/29/2021** Analysis Date: **12/30/2021** SeqNo: **2985764** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		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 interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2112D58**
04-Jan-22

Client: EOG
Project: Nicholas BJ 1 Battery

Sample ID: **mb-64736**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **64736**	RunNo: **84801**
Prep Date: **12/27/2021**	Analysis Date: **12/28/2021**	SeqNo: **2983402** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	970		1000		97.4	70	130			

Sample ID: **lcs-64736**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **64736**	RunNo: **84801**
Prep Date: **12/27/2021**	Analysis Date: **12/28/2021**	SeqNo: **2983403** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	100	78.6	131			
Surr: BFB	1100		1000		109	70	130			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2112D58**

04-Jan-22

Client: EOG

Project: Nicholas BJ 1 Battery

Sample ID: **mb-64736** SampType: **MBLK** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **PBS** Batch ID: **64736** RunNo: **84801**

Prep Date: **12/27/2021** Analysis Date: **12/28/2021** SeqNo: **2983430** 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-64736** SampType: **LCS** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **LCSS** Batch ID: **64736** RunNo: **84801**

Prep Date: **12/27/2021** Analysis Date: **12/28/2021** SeqNo: **2983431** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	100	80	120			
Toluene	0.99	0.050	1.000	0	99.5	80	120			
Ethylbenzene	0.99	0.050	1.000	0	99.2	80	120			
Xylenes, Total	3.0	0.10	3.000	0	99.3	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		107	70	130			

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: EOG | Work Order Number: 2112D58 | RcptNo: 1

Received By: Isaiah Ortiz 12/23/2021 7:40:00 AM

Completed By: Tracy Casarrubias 12/23/2021 3:26:14 PM

Reviewed By: KRG 12/23/21

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: TMC 12/23/21

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	0.8	Good	Yes			
2	4.6	Good	Yes			

Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.

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

Ranger: PO Box 201179, Austin TX 78720

Phone #: 521-335-1785

email or Fax#: Will@RangerEnv.com

QA/QC Package:

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

Accreditation: ☐ Az Compliance

■ **NELAC** ☐ Other

■ **EDD** (Type) Excel

Turn-Around Time:

☐ Standard ☒ **Rush** 5-day TAT

Project Name: Nicholas BJ #1 (Battery)

Project #: 5375

Project Manager: W. Kierdorf

Sampler: W. Kennedy

On Ice: ☑ Yes ☐ No

# of Coolers: 2 0.9°C - 0.1 (CF) 0.8

Cooler Temp(including CF): 4.7 - 0.1 (CF) 4.6°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. 2112D58	BTEX (8021)	TPH:8015D(GRO / DRO / MRO)	Chloride (EPA 300)
12/2/21	1330	Soil	TH-32/0	1x4oz Jar	Ice	001	X	X	X
"	1340	"	TH-32/4	"	"	002	"	"	"
	1408		TH-33/3			003			
	1423		TH-33/6			004			
	1444		TH-34/0			005			
	1452		TH-34/4			006			
	1514		TH-35/0			007			
	1522		TH-35/4			008			

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
12/22/21	14:30	W Kennedy	Ian Rain		12/23/21	0740
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time

Remarks: Bill to EOG Artesia

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

January 20, 2022

Will Kierdorf

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

RE: Nicholas BJ OrderNo.: 2201506

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 12 sample(s) on 1/13/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2201506**
Date Reported: **1/20/2022**

CLIENT: EOG
Client Sample ID: TH-36/0
Project: Nicholas BJ
Collection Date: 1/11/2022 9:04:00 AM
Lab ID: 2201506-001 **Matrix:** SOIL **Received Date:** 1/13/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LRN**	
Chloride	ND	60		mg/Kg	20	1/14/2022 4:56:52 PM	65024
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	1/17/2022 12:58:34 PM	65016
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/17/2022 12:58:34 PM	65016
Surr: DNOP	93.5	70-130		%Rec	1	1/17/2022 12:58:34 PM	65016
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/14/2022 9:10:00 AM	65013
Surr: BFB	90.1	70-130		%Rec	1	1/14/2022 9:10:00 AM	65013
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.024		mg/Kg	1	1/14/2022 9:10:00 AM	65013
Toluene	ND	0.048		mg/Kg	1	1/14/2022 9:10:00 AM	65013
Ethylbenzene	ND	0.048		mg/Kg	1	1/14/2022 9:10:00 AM	65013
Xylenes, Total	ND	0.095		mg/Kg	1	1/14/2022 9:10:00 AM	65013
Surr: 4-Bromofluorobenzene	90.0	70-130		%Rec	1	1/14/2022 9:10:00 AM	65013

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

Qualifiers:

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

Analytical Report
Lab Order **2201506**
Date Reported: **1/20/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-36/4
Project: Nicholas BJ
Collection Date: 1/11/2022 9:12:00 AM
Lab ID: 2201506-002 **Matrix:** SOIL **Received Date:** 1/13/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**LRN**
Chloride	81	60		mg/Kg	20	1/14/2022 5:33:54 PM	65024
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**SB**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	1/17/2022 2:10:22 PM	65016
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	1/17/2022 2:10:22 PM	65016
Surr: DNOP	106	70-130		%Rec	1	1/17/2022 2:10:22 PM	65016
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**mb**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/14/2022 10:10:00 AM	65013
Surr: BFB	89.6	70-130		%Rec	1	1/14/2022 10:10:00 AM	65013
EPA METHOD 8021B: VOLATILES						Analyst:	**mb**
Benzene	ND	0.024		mg/Kg	1	1/14/2022 10:10:00 AM	65013
Toluene	ND	0.048		mg/Kg	1	1/14/2022 10:10:00 AM	65013
Ethylbenzene	ND	0.048		mg/Kg	1	1/14/2022 10:10:00 AM	65013
Xylenes, Total	ND	0.096		mg/Kg	1	1/14/2022 10:10:00 AM	65013
Surr: 4-Bromofluorobenzene	94.0	70-130		%Rec	1	1/14/2022 10:10:00 AM	65013

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

Qualifiers:

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

Analytical Report
Lab Order **2201506**
Date Reported: **1/20/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-37/0
Project: Nicholas BJ
Collection Date: 1/11/2022 9:32:00 AM
Lab ID: 2201506-003 **Matrix:** SOIL **Received Date:** 1/13/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LRN**	
Chloride	ND	60		mg/Kg	20	1/14/2022 10:05:26 PM	65037
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	1/17/2022 2:34:16 PM	65016
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	1/17/2022 2:34:16 PM	65016
Surr: DNOP	103	70-130		%Rec	1	1/17/2022 2:34:16 PM	65016
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/14/2022 11:09:00 AM	65013
Surr: BFB	89.4	70-130		%Rec	1	1/14/2022 11:09:00 AM	65013
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.024		mg/Kg	1	1/14/2022 11:09:00 AM	65013
Toluene	ND	0.049		mg/Kg	1	1/14/2022 11:09:00 AM	65013
Ethylbenzene	ND	0.049		mg/Kg	1	1/14/2022 11:09:00 AM	65013
Xylenes, Total	ND	0.097		mg/Kg	1	1/14/2022 11:09:00 AM	65013
Surr: 4-Bromofluorobenzene	89.8	70-130		%Rec	1	1/14/2022 11:09:00 AM	65013

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

Qualifiers:

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

Analytical Report
Lab Order **2201506**
Date Reported: **1/20/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-37/4
Project: Nicholas BJ
Collection Date: 1/11/2022 9:40:00 AM
Lab ID: 2201506-004
Matrix: SOIL
Received Date: 1/13/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**LRN**
Chloride	79	61		mg/Kg	20	1/14/2022 10:42:29 PM	65037
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**SB**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	1/17/2022 2:58:17 PM	65016
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	1/17/2022 2:58:17 PM	65016
Surr: DNOP	108	70-130		%Rec	1	1/17/2022 2:58:17 PM	65016
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**mb**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/14/2022 11:28:00 AM	65013
Surr: BFB	95.0	70-130		%Rec	1	1/14/2022 11:28:00 AM	65013
EPA METHOD 8021B: VOLATILES						Analyst:	**mb**
Benzene	ND	0.024		mg/Kg	1	1/14/2022 11:28:00 AM	65013
Toluene	ND	0.048		mg/Kg	1	1/14/2022 11:28:00 AM	65013
Ethylbenzene	ND	0.048		mg/Kg	1	1/14/2022 11:28:00 AM	65013
Xylenes, Total	ND	0.096		mg/Kg	1	1/14/2022 11:28:00 AM	65013
Surr: 4-Bromofluorobenzene	90.4	70-130		%Rec	1	1/14/2022 11:28:00 AM	65013

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

Qualifiers:

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

Analytical Report
Lab Order **2201506**
Date Reported: **1/20/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-38/1
Project: Nicholas BJ
Collection Date: 1/11/2022 10:01:00 AM
Lab ID: 2201506-005 **Matrix:** SOIL **Received Date:** 1/13/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**LRN**
Chloride	350	60		mg/Kg	20	1/14/2022 10:54:49 PM	65037
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**SB**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	1/17/2022 3:22:15 PM	65016
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	1/17/2022 3:22:15 PM	65016
Surr: DNOP	122	70-130		%Rec	1	1/17/2022 3:22:15 PM	65016
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**mb**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/14/2022 11:48:00 AM	65013
Surr: BFB	89.1	70-130		%Rec	1	1/14/2022 11:48:00 AM	65013
EPA METHOD 8021B: VOLATILES						Analyst:	**mb**
Benzene	ND	0.024		mg/Kg	1	1/14/2022 11:48:00 AM	65013
Toluene	ND	0.047		mg/Kg	1	1/14/2022 11:48:00 AM	65013
Ethylbenzene	ND	0.047		mg/Kg	1	1/14/2022 11:48:00 AM	65013
Xylenes, Total	ND	0.094		mg/Kg	1	1/14/2022 11:48:00 AM	65013
Surr: 4-Bromofluorobenzene	88.9	70-130		%Rec	1	1/14/2022 11:48:00 AM	65013

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

Qualifiers:

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

Analytical Report
Lab Order **2201506**
Date Reported: **1/20/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-38/4
Project: Nicholas BJ
Collection Date: 1/11/2022 10:07:00 AM
Lab ID: 2201506-006 **Matrix:** SOIL **Received Date:** 1/13/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**LRN**
Chloride	440	60		mg/Kg	20	1/14/2022 11:07:11 PM	65037
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**SB**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	1/17/2022 3:46:11 PM	65016
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	1/17/2022 3:46:11 PM	65016
Surr: DNOP	111	70-130		%Rec	1	1/17/2022 3:46:11 PM	65016
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**mb**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/14/2022 12:07:00 PM	65013
Surr: BFB	84.7	70-130		%Rec	1	1/14/2022 12:07:00 PM	65013
EPA METHOD 8021B: VOLATILES						Analyst:	**mb**
Benzene	ND	0.024		mg/Kg	1	1/14/2022 12:07:00 PM	65013
Toluene	ND	0.049		mg/Kg	1	1/14/2022 12:07:00 PM	65013
Ethylbenzene	ND	0.049		mg/Kg	1	1/14/2022 12:07:00 PM	65013
Xylenes, Total	ND	0.098		mg/Kg	1	1/14/2022 12:07:00 PM	65013
Surr: 4-Bromofluorobenzene	87.3	70-130		%Rec	1	1/14/2022 12:07:00 PM	65013

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

Qualifiers:

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

Analytical Report
Lab Order **2201506**
Date Reported: **1/20/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH-39/1
Project: Nicholas BJ **Collection Date:** 1/11/2022 10:19:00 AM
Lab ID: 2201506-007 **Matrix:** SOIL **Received Date:** 1/13/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LRN**	
Chloride	ND	60		mg/Kg	20	1/14/2022 11:44:13 PM	65037
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	1/17/2022 4:10:10 PM	65016
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/17/2022 4:10:10 PM	65016
Surr: DNOP	94.2	70-130		%Rec	1	1/17/2022 4:10:10 PM	65016
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	1/14/2022 12:27:00 PM	65013
Surr: BFB	86.2	70-130		%Rec	1	1/14/2022 12:27:00 PM	65013
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.023		mg/Kg	1	1/14/2022 12:27:00 PM	65013
Toluene	ND	0.046		mg/Kg	1	1/14/2022 12:27:00 PM	65013
Ethylbenzene	ND	0.046		mg/Kg	1	1/14/2022 12:27:00 PM	65013
Xylenes, Total	ND	0.092		mg/Kg	1	1/14/2022 12:27:00 PM	65013
Surr: 4-Bromofluorobenzene	89.1	70-130		%Rec	1	1/14/2022 12:27:00 PM	65013

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

Qualifiers:

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

Analytical Report
Lab Order **2201506**
Date Reported: **1/20/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-39/4
Project: Nicholas BJ
Collection Date: 1/11/2022 10:25:00 AM
Lab ID: 2201506-008 **Matrix:** SOIL **Received Date:** 1/13/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**LRN**
Chloride	890	60		mg/Kg	20	1/14/2022 11:56:33 PM	65037
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**SB**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	1/17/2022 4:58:00 PM	65016
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	1/17/2022 4:58:00 PM	65016
Surr: DNOP	106	70-130		%Rec	1	1/17/2022 4:58:00 PM	65016
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**mb**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/14/2022 12:47:00 PM	65013
Surr: BFB	88.7	70-130		%Rec	1	1/14/2022 12:47:00 PM	65013
EPA METHOD 8021B: VOLATILES						Analyst:	**mb**
Benzene	ND	0.024		mg/Kg	1	1/14/2022 12:47:00 PM	65013
Toluene	ND	0.048		mg/Kg	1	1/14/2022 12:47:00 PM	65013
Ethylbenzene	ND	0.048		mg/Kg	1	1/14/2022 12:47:00 PM	65013
Xylenes, Total	ND	0.096		mg/Kg	1	1/14/2022 12:47:00 PM	65013
Surr: 4-Bromofluorobenzene	91.7	70-130		%Rec	1	1/14/2022 12:47:00 PM	65013

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

Qualifiers:

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

Analytical Report
Lab Order **2201506**
Date Reported: **1/20/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-40/0
Project: Nicholas BJ
Collection Date: 1/11/2022 10:50:00 AM
Lab ID: 2201506-009 **Matrix:** SOIL **Received Date:** 1/13/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**LRN**
Chloride	ND	60		mg/Kg	20	1/15/2022 12:08:54 AM	65037
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**SB**
Diesel Range Organics (DRO)	ND	8.8		mg/Kg	1	1/17/2022 5:21:55 PM	65016
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	1/17/2022 5:21:55 PM	65016
Surr: DNOP	94.3	70-130		%Rec	1	1/17/2022 5:21:55 PM	65016
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**mb**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/14/2022 1:07:00 PM	65013
Surr: BFB	91.0	70-130		%Rec	1	1/14/2022 1:07:00 PM	65013
EPA METHOD 8021B: VOLATILES						Analyst:	**mb**
Benzene	ND	0.025		mg/Kg	1	1/14/2022 1:07:00 PM	65013
Toluene	ND	0.049		mg/Kg	1	1/14/2022 1:07:00 PM	65013
Ethylbenzene	ND	0.049		mg/Kg	1	1/14/2022 1:07:00 PM	65013
Xylenes, Total	ND	0.099		mg/Kg	1	1/14/2022 1:07:00 PM	65013
Surr: 4-Bromofluorobenzene	92.4	70-130		%Rec	1	1/14/2022 1:07:00 PM	65013

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

Qualifiers:

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

Analytical Report
Lab Order **2201506**
Date Reported: **1/20/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-40/4
Project: Nicholas BJ
Collection Date: 1/11/2022 10:58:00 AM
Lab ID: 2201506-010 **Matrix:** SOIL **Received Date:** 1/13/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**CAS**
Chloride	87	60		mg/Kg	20	1/18/2022 12:09:05 PM	65063
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**SB**
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	1/17/2022 5:45:49 PM	65016
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	1/17/2022 5:45:49 PM	65016
Surr: DNOP	81.0	70-130		%Rec	1	1/17/2022 5:45:49 PM	65016
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**mb**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/14/2022 1:27:00 PM	65013
Surr: BFB	90.7	70-130		%Rec	1	1/14/2022 1:27:00 PM	65013
EPA METHOD 8021B: VOLATILES						Analyst:	**mb**
Benzene	ND	0.025		mg/Kg	1	1/14/2022 1:27:00 PM	65013
Toluene	ND	0.049		mg/Kg	1	1/14/2022 1:27:00 PM	65013
Ethylbenzene	ND	0.049		mg/Kg	1	1/14/2022 1:27:00 PM	65013
Xylenes, Total	ND	0.098		mg/Kg	1	1/14/2022 1:27:00 PM	65013
Surr: 4-Bromofluorobenzene	91.9	70-130		%Rec	1	1/14/2022 1:27:00 PM	65013

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

Qualifiers:

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

Analytical Report
Lab Order **2201506**
Date Reported: **1/20/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-41/0
Project: Nicholas BJ
Collection Date: 1/11/2022 11:06:00 AM
Lab ID: 2201506-011 **Matrix:** SOIL **Received Date:** 1/13/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	61		mg/Kg	20	1/18/2022 12:21:30 PM	65063
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	1/17/2022 6:09:36 PM	65016
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/17/2022 6:09:36 PM	65016
Surr: DNOP	110	70-130		%Rec	1	1/17/2022 6:09:36 PM	65016
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/14/2022 2:26:00 PM	65013
Surr: BFB	88.5	70-130		%Rec	1	1/14/2022 2:26:00 PM	65013
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.024		mg/Kg	1	1/14/2022 2:26:00 PM	65013
Toluene	ND	0.049		mg/Kg	1	1/14/2022 2:26:00 PM	65013
Ethylbenzene	ND	0.049		mg/Kg	1	1/14/2022 2:26:00 PM	65013
Xylenes, Total	ND	0.098		mg/Kg	1	1/14/2022 2:26:00 PM	65013
Surr: 4-Bromofluorobenzene	91.1	70-130		%Rec	1	1/14/2022 2:26:00 PM	65013

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

Qualifiers:

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

Analytical Report
Lab Order **2201506**
Date Reported: **1/20/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-41/4
Project: Nicholas BJ
Collection Date: 1/11/2022 11:14:00 AM
Lab ID: 2201506-012 **Matrix:** SOIL **Received Date:** 1/13/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**CAS**
Chloride	95	60		mg/Kg	20	1/18/2022 12:33:54 PM	65063
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**SB**
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	1/17/2022 6:33:21 PM	65016
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	1/17/2022 6:33:21 PM	65016
Surr: DNOP	155	70-130	S	%Rec	1	1/17/2022 6:33:21 PM	65016
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**mb**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/14/2022 2:46:00 PM	65013
Surr: BFB	91.4	70-130		%Rec	1	1/14/2022 2:46:00 PM	65013
EPA METHOD 8021B: VOLATILES						Analyst:	**mb**
Benzene	ND	0.024		mg/Kg	1	1/14/2022 2:46:00 PM	65013
Toluene	ND	0.047		mg/Kg	1	1/14/2022 2:46:00 PM	65013
Ethylbenzene	ND	0.047		mg/Kg	1	1/14/2022 2:46:00 PM	65013
Xylenes, Total	ND	0.094		mg/Kg	1	1/14/2022 2:46:00 PM	65013
Surr: 4-Bromofluorobenzene	91.1	70-130		%Rec	1	1/14/2022 2:46:00 PM	65013

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

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2201506**

20-Jan-22

Client: EOG

Project: Nicholas BJ

Sample ID: **MB-65024**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **65024**	RunNo: **85168**							
Prep Date: **1/14/2022**	Analysis Date: **1/14/2022**	SeqNo: **2996994**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-65024**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **65024**	RunNo: **85168**							
Prep Date: **1/14/2022**	Analysis Date: **1/14/2022**	SeqNo: **2996995**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.1	90	110			

Sample ID: **MB-65037**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **65037**	RunNo: **85168**							
Prep Date: **1/14/2022**	Analysis Date: **1/14/2022**	SeqNo: **2997026**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-65037**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **65037**	RunNo: **85168**							
Prep Date: **1/14/2022**	Analysis Date: **1/14/2022**	SeqNo: **2997027**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.1	90	110			

Sample ID: **MB-65063**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **65063**	RunNo: **85246**							
Prep Date: **1/17/2022**	Analysis Date: **1/18/2022**	SeqNo: **2999009**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-65063**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **65063**	RunNo: **85246**							
Prep Date: **1/17/2022**	Analysis Date: **1/18/2022**	SeqNo: **2999010**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.9	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical 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#: **2201506**

20-Jan-22

Client: EOG

Project: Nicholas BJ

Sample ID: **MB-65016**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **65016**	RunNo: **85156**
Prep Date: **1/13/2022**	Analysis Date: **1/14/2022**	SeqNo: **2996380** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		106	70	130			

Sample ID: **LCS-65016**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **65016**	RunNo: **85156**
Prep Date: **1/13/2022**	Analysis Date: **1/14/2022**	SeqNo: **2996382** 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	4.9		5.000		98.1	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical 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#: **2201506**

20-Jan-22

Client: EOG

Project: Nicholas BJ

Sample ID: **mb-65013**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **65013**	RunNo: **85185**
Prep Date: **1/13/2022**	Analysis Date: **1/14/2022**	SeqNo: **2996656** 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		96.4	70	130			

Sample ID: **lcs-65013**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **65013**	RunNo: **85185**
Prep Date: **1/13/2022**	Analysis Date: **1/14/2022**	SeqNo: **2996657** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	98.2	78.6	131			
Surr: BFB	1000		1000		101	70	130			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2201506**

20-Jan-22

Client: EOG

Project: Nicholas BJ

Sample ID: **mb-65013**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **65013**	RunNo: **85185**
Prep Date: **1/13/2022**	Analysis Date: **1/14/2022**	SeqNo: **2996680** 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	0.91		1.000		90.9	70	130			

Sample ID: **lcs-65013**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **65013**	RunNo: **85185**
Prep Date: **1/13/2022**	Analysis Date: **1/14/2022**	SeqNo: **2996681** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.025	1.000	0	97.2	80	120			
Toluene	0.97	0.050	1.000	0	97.3	80	120			
Ethylbenzene	0.98	0.050	1.000	0	98.0	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.1	80	120			
Surr: 4-Bromofluorobenzene	0.89		1.000		89.5	70	130			

Qualifiers:

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

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 Resources Work Order Number: 2201506 RcptNo: 1

Received By: Cheyenne Cason 1/13/2022 8:00:00 AM

Completed By: Cheyenne Cason 1/13/2022 8:11:34 AM

Reviewed By: KPG 1/13/22

Chain of Custody

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

Log In

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

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

Adjusted?

Checked by: gn 1/13/22

Special Handling (if applicable)

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

Person Notified: Date:

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

Regarding:

Client Instructions:

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.8	Good	Not Present			

Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.

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

Ranger: PO Box 201179, Austin TX 78720

Phone #: 521-335-1785

email or Fax#: Will@RangerEnv.com

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

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

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

Project Name: Nicholas BT Battery

Project #: 5375

Project Manager: W. Kierdorf

Sampler: W. Kennedy
On Ice: ☑ Yes ☐ No
# of Coolers: 1
Cooler Temp(including CF): 2.8-0=2.8

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. 2201506	BTEX (8021)	TPH:8015D(GRO / DRO / MRO)	Chloride (EPA 300)
1/11/22	0904	Soil	TH-36/0	1x 4oz. Jar	Ice	001	X	X	X
	0912		TH-36/4			002			
	0932		TH-37/0			003			
	0940		TH-37/4			004			
	~~0954~~	1001	TH-38/0			005			
	1007		TH-38/4			006			
	2014		TH-39/0			007			
	1025		TH-39/4			008			
	1050		TH-40/0			009			
	1058		TH-40/4			010			
	1106		TH-41/0			011			
	1114		TH-42/4			012			

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
1/12/22	730	W. Kennedy			1/12/22	730
1/12/22	1900		Chris Cooper		1/13/22	0800

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

Incident ID	nAPP2127158905
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release? ***The depth to groundwater still has to be confirmed via the installation of a temporary monitoring well. This plan has been submitted based upon the assumption that the depth to groundwater is greater than 100'. EOG will be proceeding with the installation of the temporary monitor well in order to confirm the site-specific depth to groundwater.***	>100' (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☒ Yes ☐ No

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2127158905
District RP	
Facility ID	
Application ID	

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

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

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

Signature: Chase Settle Date: 03/18/2022

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

OCD Only

Received by: Robert Hamlet Date: 4/29/2022

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

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

CONDITIONS

Action 91137

CONDITIONS

Operator:	OGRID:
EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	7377
	Action Number: 91137
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	OCD has reviewed the updated delineation plan and agrees with the proposed delineation with the following conditions of approval. Confirm depth to groundwater determination with soil boring/temporary well. If depth to groundwater is found to be less than 100', additional delineation will need to be completed. Delineate the release horizontally and vertically pursuant to 19.15.29.11 NMAC. Submit the fully delineated site and proposed remediation plan to the OCD Permitting site by July 29th, 2022.	4/29/2022