RANGER
ENVIRONMENTAL SERVICES, INC.

SITE CHARACTERIZATION AND REMEDIATION WORK PLAN

DONAHUE FEDERAL SWD #1
NMOCD INCIDENT # NRM2029646692
UNIT E, SECTION 10, TOWNSHIP 20S, RANGE 24E
EDDY COUNTY, NEW MEXICO
32.59021, -104.58265
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

APRIL 29, 2021

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

William Kierdorf, REM
Project Manager

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1.0 SITE LOCATION AND BACKGROUND

The Donahue Federal SWD #1 (Site) is located on federal land, approximately 20 miles southwest of Artesia within Eddy County, New Mexico. The facility is situated in Unit E, Section 10, T20S-R24E at GPS coordinates 32.59021, -104.58265. The Site formerly housed a disposal well, a lined tank battery with an earthen containment berm, pump houses and associated equipment. Two out-of-service PVC lines intersect the northeastern corner of the tank battery area. The facility pad is also noted to have an earthen berm along the southern pad boundary.

On October 14, 2020, a release was discovered originating from a clamp on a gunbarrel tank located within the on-site lined tank battery containment area. Based on tank gauging measurements, an estimated 110 barrels (bbls) of produced water was released from the tank. At the time of discovery, no liquids were available for recovery.

Upon discovery, visual impacts were observed within the lined tank battery from the release location towards the eastern portion of the tank battery. The incident was reported to the New Mexico Oil Conservation Division (NMOCD) and Bureau of Land Management (BLM) via email on October 14, 2020. Due to the scheduled decommissioning of the facility, assessment and remediation of the incident was postponed to allow for the removal of equipment and liner material from the area. The decommissioning and removal of equipment and liner material was completed in March 2021.

EOG Resources, Inc. (EOG) has engaged Ranger Environmental Services, Inc. (Ranger) to assist in the remediation and reclamation efforts at the Site. The following proposed remediation work plan has been prepared to address the soil impacts at the Site.

It should be noted that a previous release incident (2RP-3737) occurred at this site which received regulatory closure from the NMOCD in 2016. This area is highlighted in purple on Figure 4 ("*Soil Sample Location Map*") and Figure 6 ("*Proposed Soil Excavation Map*"). Since this portion of the subject site was not impacted by the October 2020 release incident, no further investigative or remedial activities are proposed in this area.

The previously submitted Initial C-141 Form Release Notification as well as the Site Assessment/Characterization and Remediation Plan sections of From C-141 are included in Attachment 1.

2.0 SITE CHARACTERIZATION

2.1 Depth to Groundwater

To determine the depth to groundwater in the vicinity of the Site, data available from the U.S. Geological Survey (USGS) and the New Mexico Office of the State Engineer (NMOSE) was reviewed. Based upon the reviewed information, depth to groundwater in the area of the Site is greater than 100 feet.

Copies of the reviewed depth-to-groundwater information is available in Attachment 3.

2.2 Wellhead Protection Area

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

Upon review of the National Wetland Inventory, the Site is within 300 feet of a mapped feature located to the southwest of the facility pad. The feature is classified as a R4SBC, which is defined as a Riverine, Intermittent, Streambed and Seasonally flooded.

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

Upon review of the Site area is noted to be in an area of “High Karst” probability.

2.3 Distance to Nearest Significant Watercourse

Based upon available online resources, the nearest significant watercourse within a half-mile of the Site was determined to be Middle Seven Rivers. Based upon online geographic information systems measurement tools the feature lies approximately 2,530 feet south-southeast of the Site. Middle Seven Rivers is mapped as a blue dashed line or intermittent stream on the USGS 7.5 minute topographic map.

2.4 Proposed Closure Criteria

Based upon the site characterization details (within 300’ of a wetland and in an unstable/karst area), and per NMAC 19.15.29.12, the Site will be remediated to Table 1 19.15.29.12 NMAC (groundwater ≤50 feet) criteria. Additionally, as the Site is no longer active, the remediation activities will be conducted to bring the area into compliance with the Restoration, Reclamation and Re-Vegetation criteria detailed in 19.15.29.13 NMAC. The proposed closure criteria is detailed below:

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

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

3.0 SITE ASSESSMENT

3.1 March 22, 2021 Site Assessment and Sampling Results

On March 22, 2021, Ranger personnel and representatives for EOG mobilized to the site to conduct soil delineation activities. To assess the horizontal and vertical impacts at the Site, a total of 14 test hole excavations were completed within and surrounding the former tank battery footprint. Five test holes ("TH-1", "TH-2", "TH-3", "TH-4" and "TH-5") were installed in the former tank battery footprint. To evaluate the horizontal impacts at the site an initial seven test holes ("TH-N", "TH-NE", "TH-SE", "TH-S", "TH-SW", "TH-W" and "TH-NW") were installed surrounding the former tank battery area. During the test hole excavation process, Ranger personnel assessed the soils at approximate one foot intervals using an organic vapor monitor (OVM) and a field chloride titration kit to assist in evaluating soil conditions and/or levels of impacts in the area. Based on elevated field chloride readings observed in test hole "TH-S", located on the facility pad, an additional two test hole excavations ("TH-S.2" and "TH-S.3") were completed south of the "TH-S" location.

During the test hole excavation process, a hard rock layer was encountered at depths varying from one to three feet below ground level (bgl). Due to the nature of the rock layer and available on-site equipment, assessment activities were not able to be conducted beyond the depth that the rock layer was encountered.

Soil samples for laboratory analysis were collected from each test hole excavation. It should be noted that visibly discolored soils and elevated OVM readings were encountered within the former tank battery footprint. As previously stated, elevated chloride field readings were encountered to the south of the former tank battery area.

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

Upon review of the laboratory analytical results, the samples collected from within the battery were documented to have elevated TPH, BTEX, and chloride concentrations. The soil samples collected from the north, east, and west of the former tank battery area were documented to have TPH, BTEX, and chloride concentrations within the regulatory criteria. The soil samples collected

south of the former battery area were noted to have BTEX concentrations within the regulatory criteria; however, the samples were documented to have elevated TPH and/or chloride concentrations.

The soil sample results are presented in table form in Attachment 4. Copies of the laboratory analytical reports are included in Attachment 6.

3.2 Soil Removal For Additional Assessment

Based on the field observations and laboratory analytical results from samples collected on March 22, 2021, additional site assessment activities were determined to be necessary. In order to perform additional delineation activities at the Site, soil removal operations were necessary within the footprint of the former tank battery. Due to the hard rock layer encountered during the initial assessment process, the removal of soil and tank battery base material was necessary to assess the rock layer. During April 5-13, 2021, representatives for EOG conducted the soil removal operations. Removal operations were conducted within the approximate 175 foot by 50 foot former tank battery footprint. The soil removal operations were completed to the encountered rock layer at depths ranging from approximately two to three feet bgl. Within the former tank battery, a "soft area" accessible to the on-site equipment was successfully excavated to a depth of approximately four feet bgl. The "soft area" is primarily irregular in shape and has maximum dimensions of approximately 35 feet by 20 feet.

In the northeastern portion of the former tank battery area, two out-of-service PVC lines were noted to transect the tank battery footprint. During removal operations, areas of heavy soil discoloration believed to be associated with historic impacts were observed in the vicinity of the two PVC lines.

3.3 Additional Site Assessment – April 2021

From April 13, 2021 to April 21, 2021, additional soil removal operations, site assessment, and the collection of soil samples was completed in order to delineate the impacts at the Site.

Site maps depicting all excavated areas and soil sample locations are attached.

3.3.1 Former Tank Battery Area

On April 13, 2021, additional sampling activities were completed at the "TH-1, "TH-2", "TH-4", and "TH-5" locations. The test holes were conducted in the immediate vicinity of the previously completed test hole locations to depths where field readings indicated that material was within the applicable regulatory criteria. Additionally, an additional sample test hole ("TH-6") was completed in the "soft area" excavated to a depth of approximately four feet bgl. Soil samples for laboratory analysis were collected from the terminal depth of each of the five test hole excavations.

Upon review of the April 13, 2021 soil sample results, additional sampling activities were completed at the "TH-5" and "TH-6" locations. On April 21, 2021, the previously sampled locations were over excavated and samples were collected for laboratory analysis.

3.3.2 Facility Pad Area

Sample results from the March 22, 2021 assessment activities documented that soil conditions south of the former tank battery area (the former well pad) contained elevated chloride and/or TPH concentrations. On April 13, 2021, an additional 21 test hole excavations were completed. During the installation process, field OVM readings and chloride titrations were once again utilized to assess soil conditions and determine appropriate sampling locations for laboratory analysis. Based on the observed field readings, soil samples for laboratory analysis were collected from select locations in order to serve as horizontal delineation points. Soil samples for laboratory analysis were ultimately collected from 14 of the 21 test hole locations.

Based on field readings encountered during the March 22, 2021 assessment activities, several sample locations adjacent to the former southeastern facility pad boundaries were determined to contain elevated chloride concentrations. To assess the areas, surficial off-pad samples were collected. Along the southeastern pad boundary, where an earthen berm is present, a total of five samples were collected from various locations. Four samples ("OP-1", "OP-2", "OP-4", and "OP-5") were collected along the southeastern pad boundary. Due to the topographic relief of the area, the samples were collected approximately one to two feet below the grade of the pad, and are comparable to conditions in the one to two foot bgl range observed on the facility pad. One sample ("OP-3"), was collected off of the eastern pad boundary adjacent to the Site access road. This area is noted to be cross gradient of the areas evaluated on the facility pad and is representative of the similar depth profile observed on the facility pad.

Upon review of the laboratory analytical results for the samples collected on April 13, 2021, additional soil samples were collected from on and off facility pad locations in order to complete the delineation of impacts to the facility pad area. On April 20-21, 2021, an additional six samples were collected laboratory analysis.

During the sampling of the facility pad area, hard rock was encountered from the surface to a depth of two feet bgl. Upon reaching the rock layer, field readings and laboratory analytical results documented that conditions are within the applicable closure criteria.

3.3.3 Pipeline Area

As previously stated, two out-of-service PVC pipelines were noted to transect the northeastern portion of the former tank battery area. Upon uncovering, the PVC lines the lines were observed to be in poor condition and were noted to have discolored soils believed to be associated with historic impacts. To assess the observed impacts in the vicinity of the pipelines, the removal of the lines was necessary. Due to the rocky conditions, excavation around the two PVC lines could not be safely conducted.

In order to identify the extent of impacts within the pipe chase area, on April 14, 2021 Ranger personnel collected soil samples from two locations along the pipeline pipe chase. The samples ("PL-EAST" and "PL-WEST") were collected immediately below the pipelines to identify locations appropriate for the cutting and capping of the lines to allow for further assessment in the area. Based on the field readings collected from these areas, the lines were cut, capped and removed from the pipe chase. The pipeline area was measured to be approximately 103 feet in length.

Upon removal of the pipelines, soil removal operations were commenced to allow for the collection of delineation soil samples. On April 15, 2021, Ranger personnel collected four soil samples from

the pipeline excavation area. Two sample locations, "PL-SP-1" and "PL-SP-2", appeared to have field readings within the regulatory criteria. Two samples ("PL-SP-1-B" and "PL-SP-2-B") were collected from the base of the excavation at depths of approximately seven and four feet bgl, respectively. Two samples ("PL-SP-1-NW" and "PL-SP-1-SW") were collected from the northern and southern excavation walls.

Due to the rocky nature of the area, further soil removal operations were necessary to evaluate the extent of impacts in the area. From April 15-19, 2021, the additional soil removal operations were conducted. The excavated area was completed to a maximum dimensions of approximately 103 feet long by 13 feet wide, and to a maximum depth of approximately seven feet bgl.

On April 20, 2021, Ranger personnel returned to the Site to conduct additional assessment activities within the pipeline area. Upon arrival, the laboratory sample results from the April 14-15, 2021 assessment activities had been received. The laboratory analytical results indicated that the samples collected from the excavation base, north wall, south wall, and eastern excavation side walls had TPH concentrations in exceedance of the applicable regulatory criteria. To further assess the area of sample location "PL-SP-1" additional excavation activities were completed in the area. The excavation floor was deepened to a depth of approximately 11 feet bgl and a sample was collected for laboratory analysis. The north and south wall of the excavated area were over excavated to a width of approximately 25 feet and soil samples for laboratory analysis were collected from excavation walls. Based on the observed conditions within the pipeline area, a location in the eastern portion of the excavated area appeared to have more significant impacts that the previously sampled "PL-SP-2" location. Therefore, further sampling was conducted in this area. The area, dubbed "PL-SP-3", was initially excavated to a depth of approximately seven feet bgl and an underlying sample was then collected at a depth of eight feet bgl. During the assessment process, the area was over excavated to a maximum width of approximately 37 feet and soil samples for laboratory analysis were collected from the northern and southern excavation walls.

Figure 5 ("*Soil Sample Location Map – Pipeline Area*") depicts the extent of the assessment-related excavation and the soil sample locations within the pipeline area.

4.0 DELINEATION STATUS AND REMEDIATION PLAN

Based on the soil sample results, the impacts in the former tank battery area and facility pad have been delineated to the applicable regulatory criteria. The proposed remediation work plan for these areas is detailed below. The delineation of the impacts within the pipeline area is currently not completed as multiple side wall and excavation base samples are noted to contain concentrations in exceedance of the applicable regulatory criteria. Further assessment and sampling of this area will first require additional soil excavation activities; therefore, it is proposed to complete the delineation of this area in conjunction with the proposed remediation activities.

4.1 Former Tank Battery Area

As previously stated, in order to assess the former tank battery area, soil removal operations were completed to the encountered hard rock layer at depth of two to three feet bgl. Soil removal to achieve the applicable closure criteria will require additional soil removal to a depth of approximately 3.25 feet across the former tank battery area footprint (approximately 175 feet by 50 feet). The "soft area" encountered within the tank battery and delineated by sample location

"TH-6" will require removal to approximately 5.5 feet bgl. The "soft area" is anticipated to have maximum dimensions of approximately 35 feet by 20 feet.

4.2 Facility Pad Area

To address the impacts on the facility pad, it is anticipated that soil removal operations will be completed to varying depths from one to two feet.

4.3 Pipeline Area

To fully address the remaining impacts within the pipeline area, it is proposed to conduct the remaining needed delineation activities in conjunction with the remediation of the former tank battery and pad areas. Excavation activities will be completed to target the removal of known impacted areas, and to allow for the assessment of the vertical extent of impacts within the area. The delineation of the area will be confirmed by the collection of samples for laboratory analysis.

4.4 Confirmation Sampling

Upon completion of the remedial excavation activities, confirmation soil samples will be collected for laboratory analysis. The proposed sampling activities will be completed in accordance with NMAC 19.15.29.12, as five-part composite samples, with each sample representing no more than 200 square feet. The samples will be submitted to a NELAP-accredited laboratory for BTEX, TPH and chloride analysis using approved laboratory methods.

4.5 Excavation Backfill and Re-Vegetation

Upon attainment of the Site closure criteria, the excavated areas will be backfilled with clean fill material to a depth of approximately one foot bgl. The remaining one foot will be backfilled with topsoil bringing the location back to grade. The location will then be re-vegetated with the BLM Aplomado Falcon Habitat Seed Mixture in accordance with 19.15.29.13 NMAC. Details of the BLM Aplomado Falcon Habitat Seed Mixture are included in Attachment 7.

4.6 Remediation Schedule and NMOCD Notifications

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

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

4.7 Waste Disposal

All soils generated during the initial excavation activities have been transported and disposed of at Lea Land disposal facility in Lea County New Mexico. To date approximately 1,453 cubic yards of material has been excavated and transported to disposal from the Site.

All soils generated during the proposed remediation process will be disposed of at an approved disposal facility. Based on the proposed remediation activities it is estimated that an additional approximate 3,000 cubic yards of material will excavated and transported to disposal from the

Site. It should be noted that final volume of soil excavated and disposed of is dependent on the final extent of the pipeline excavation area.

5.0 SITE CLOSURE

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

ATTACHMENT 1 – C-141 FORM AND NMOCD DOCUMENTATION

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	NRM2029646692
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

EOG Resources, Inc.	7377
Chase Settle	575-748-1471
Chase_Settle@eogresources.com	Incident # *(assigned by OCD)*
104 S. 4th Street, Artesia, NM 88210	

Location of Release Source

Latitude 32.59021 Longitude -104.58265
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Donahue Federal SWD #1	Site Type Battery
Date Release Discovered 10/14/2020	API# *(if applicable)* 30-015-00087

Unit Letter	Section	Township	Range	County
E	10	20S	24E	Eddy

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (*Name:* _____)

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

Cause of Release
A Victaulic Clamp was found to be leaking on the 750 bbl gunbarrel. The volume released was calculated using the last gauged measurement (15-0) and the current gauged measurement (11-8).

State of New Mexico
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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? Greater than 25 barrels of fluid was released.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Yes, an email was sent at 9:00 p.m. on October 14, 2020 by Chase Settle to Jim Griswold, Rob Hamlet, Victoria Venegas, and BLM.	

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: Safety & Environmental Rep II

Signature: Chase Settle Date: 10/15/2020

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

OCD Only

Received by: Ramona Marcus Date: 10/22/2020

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

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

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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: Chase Settle
Title: Rep Safety & Environmental Sr

Signature: Chase Settle
Date: 04/29/2021

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

OCD Only

Received by: _____
Date: _____

State of New Mexico
Oil Conservation Division

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Application ID	

Remediation Plan

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

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

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

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

☐ Extents of contamination must be fully delineated.

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

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

Printed Name: Chase Settle
Title: Rep Safety & Environmental Sr
Signature: Chase Settle
Date: 04/29/2021
email: Chase_Settle@eogresources.com
Telephone: 575-748-1471

OCD Only

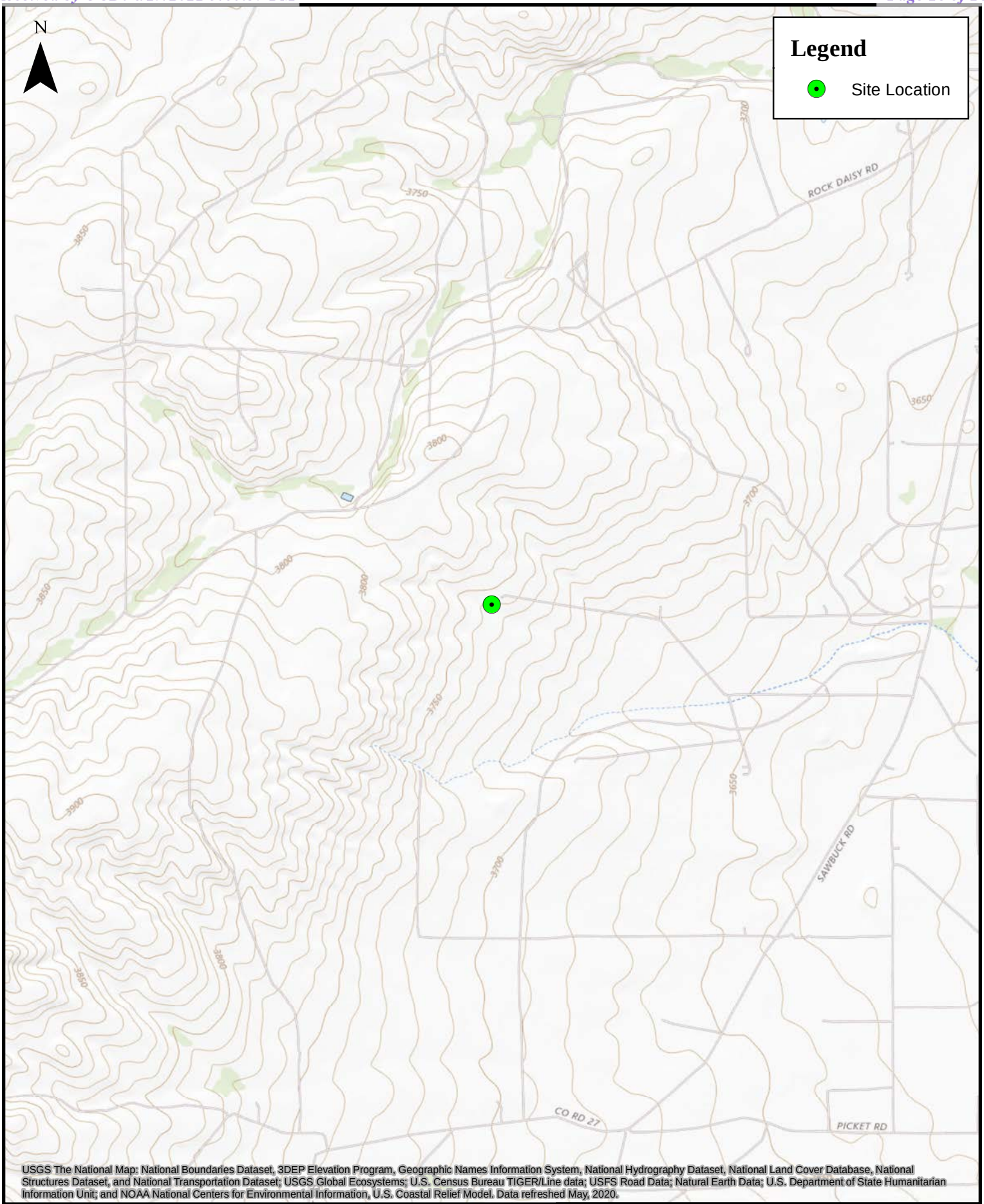
Received by: _____ Date: _____

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

Signature: _____ Date: _____

ATTACHMENT 2 - FIGURES

FIGURE 1 – Topographic Map
FIGURE 2 – Area Map
FIGURE 3 – Site Characterization Map
FIGURE 4 – Soil Sample Location Map (Tank Battery and Facility Pad Areas)
FIGURE 5 – Soil Sample Location Map (Pipeline Area)
FIGURE 6 – Proposed Soil Excavation Map



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

RANGER ENVIRONMENTAL SERVICES, INC.

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

1:24,000

Figure 1 - Topographic Map
Donahue Federal SWD #1
EOG Resources, Inc.

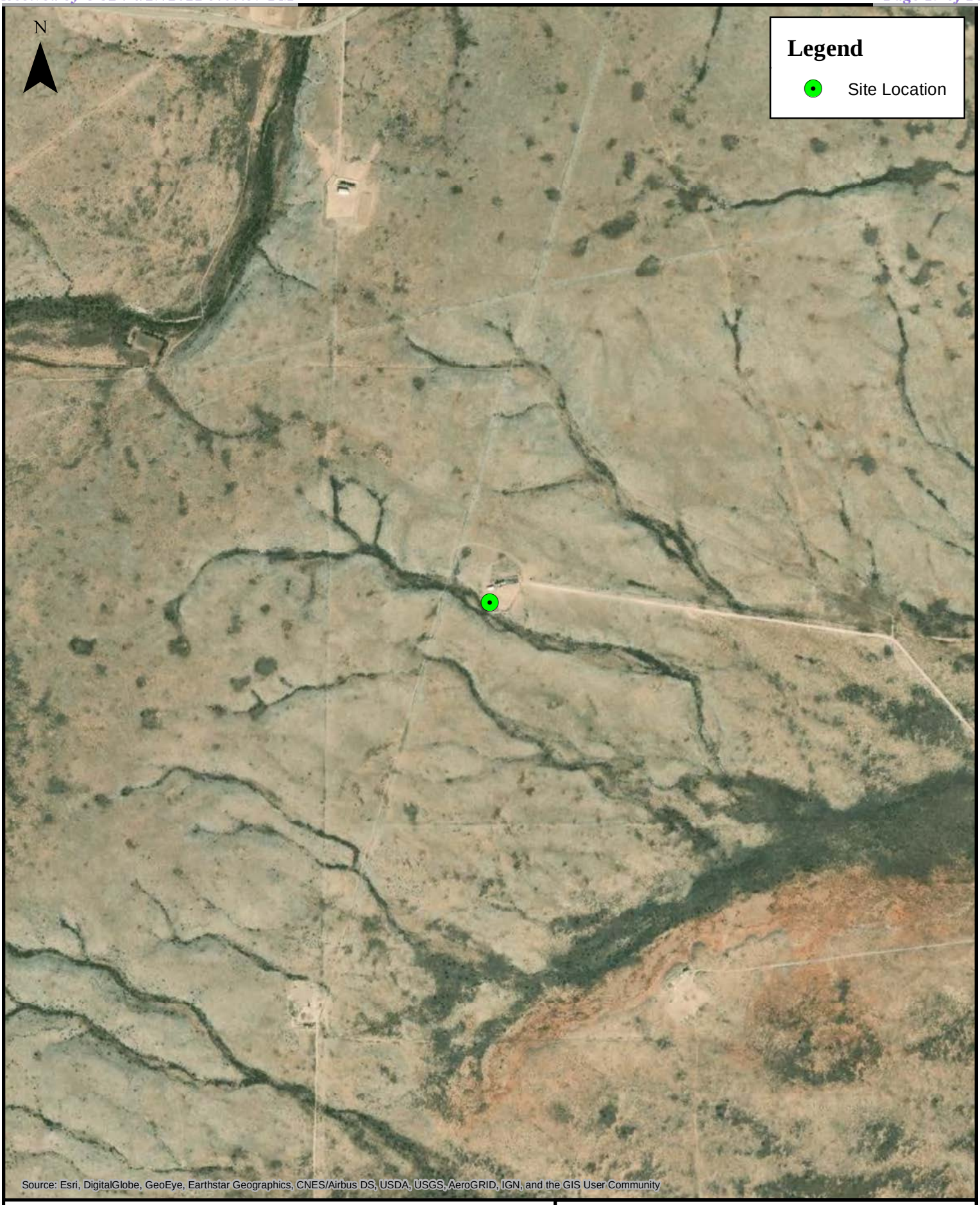
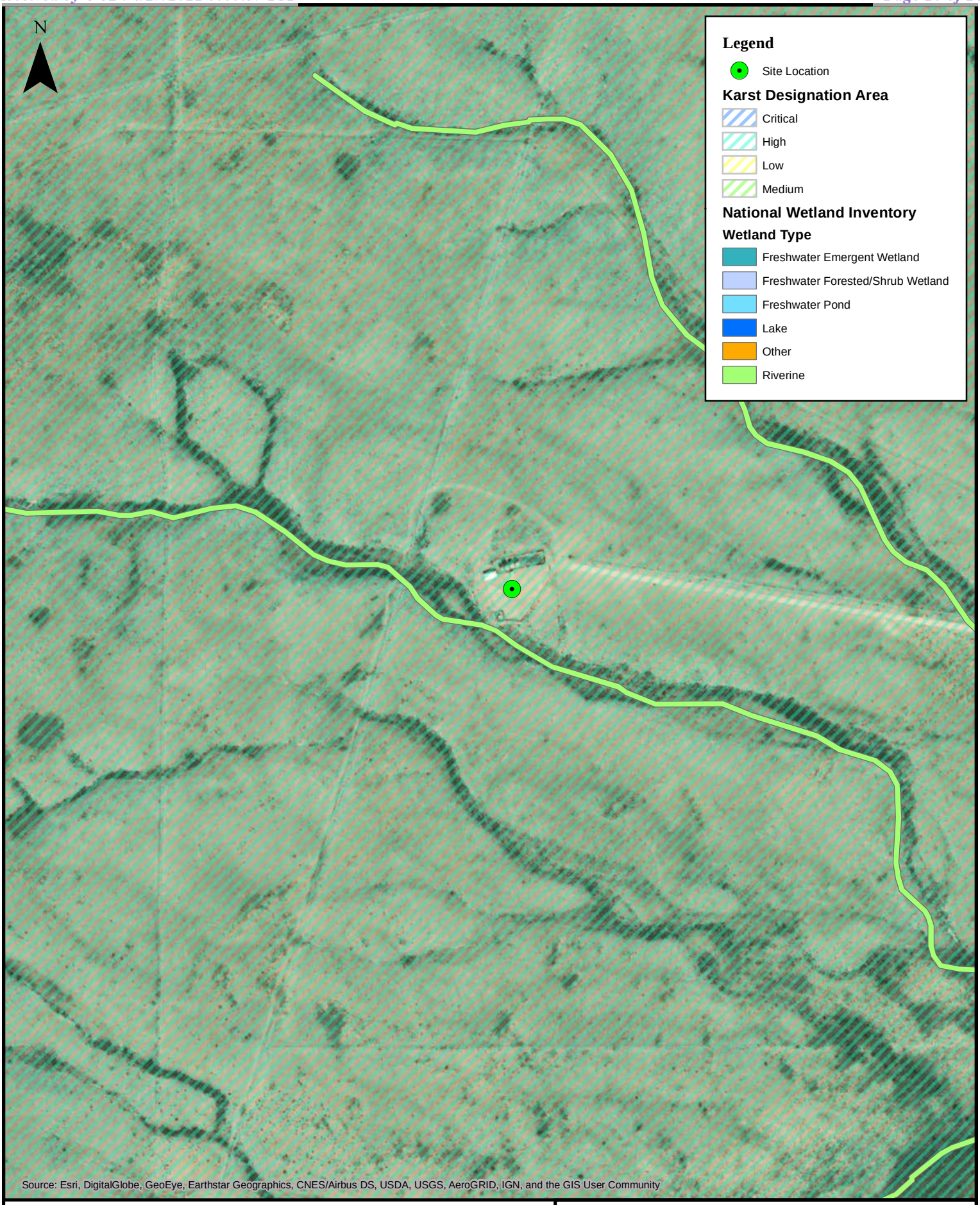


Figure 2 - Area Map
Donahue Federal SWD #1
EOG Resources, Inc.

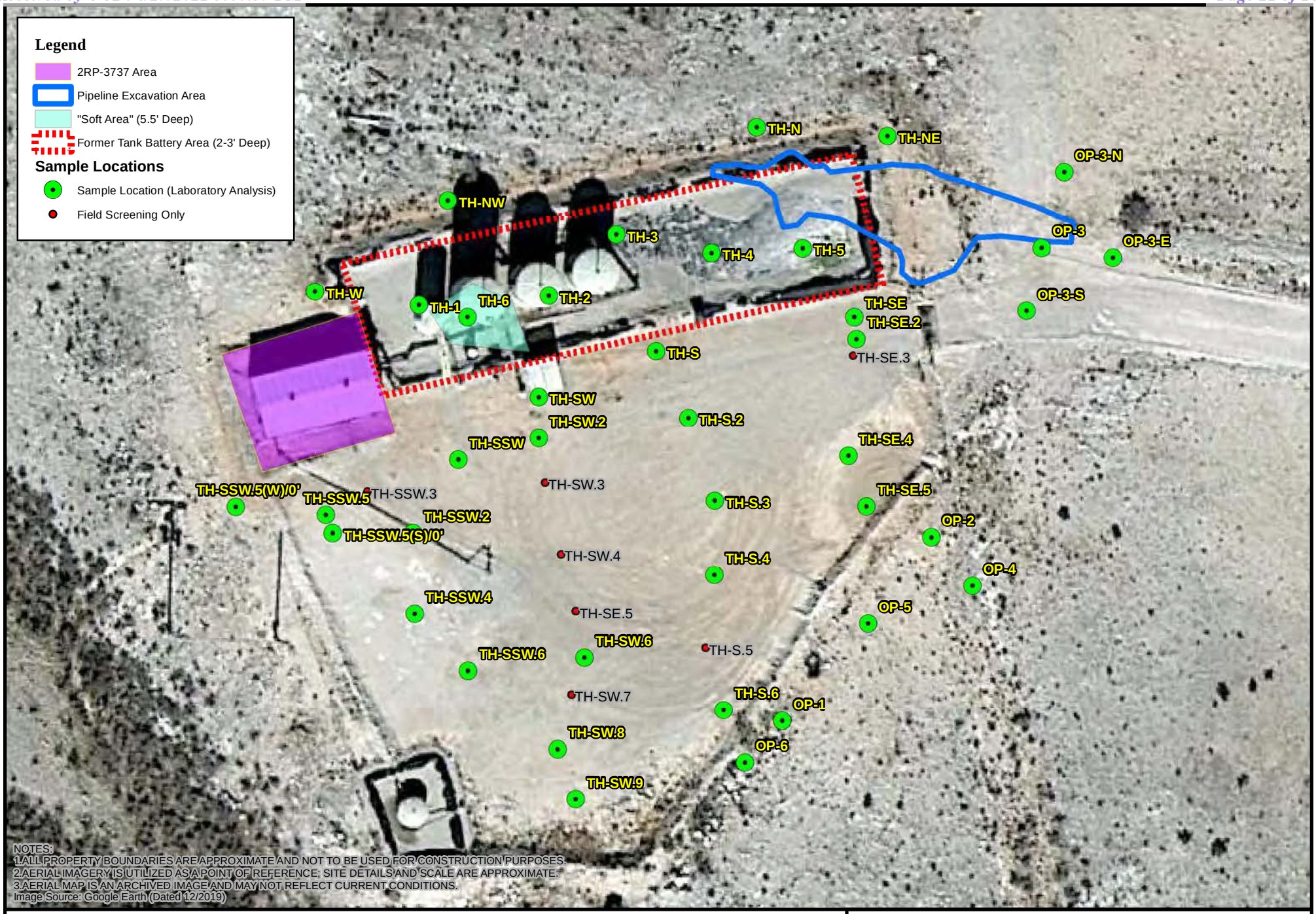


RANGER ENVIRONMENTAL SERVICES, INC.

0 125 250 500 750 1,000 Feet

1:5,000

Figure 3 - Site Characterization Map
Donahue Federal SWD #1
EOG Resources, Inc.



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

RANGER ENVIRONMENTAL SERVICES, INC.

0 12.5 25 50 75 100 Feet

1:500

N

Figure 4 - Soil Sample Location Map
(Tank Battery and Facility Pad Areas)
Donahue Federal SWD #1
EOG Resources, Inc.

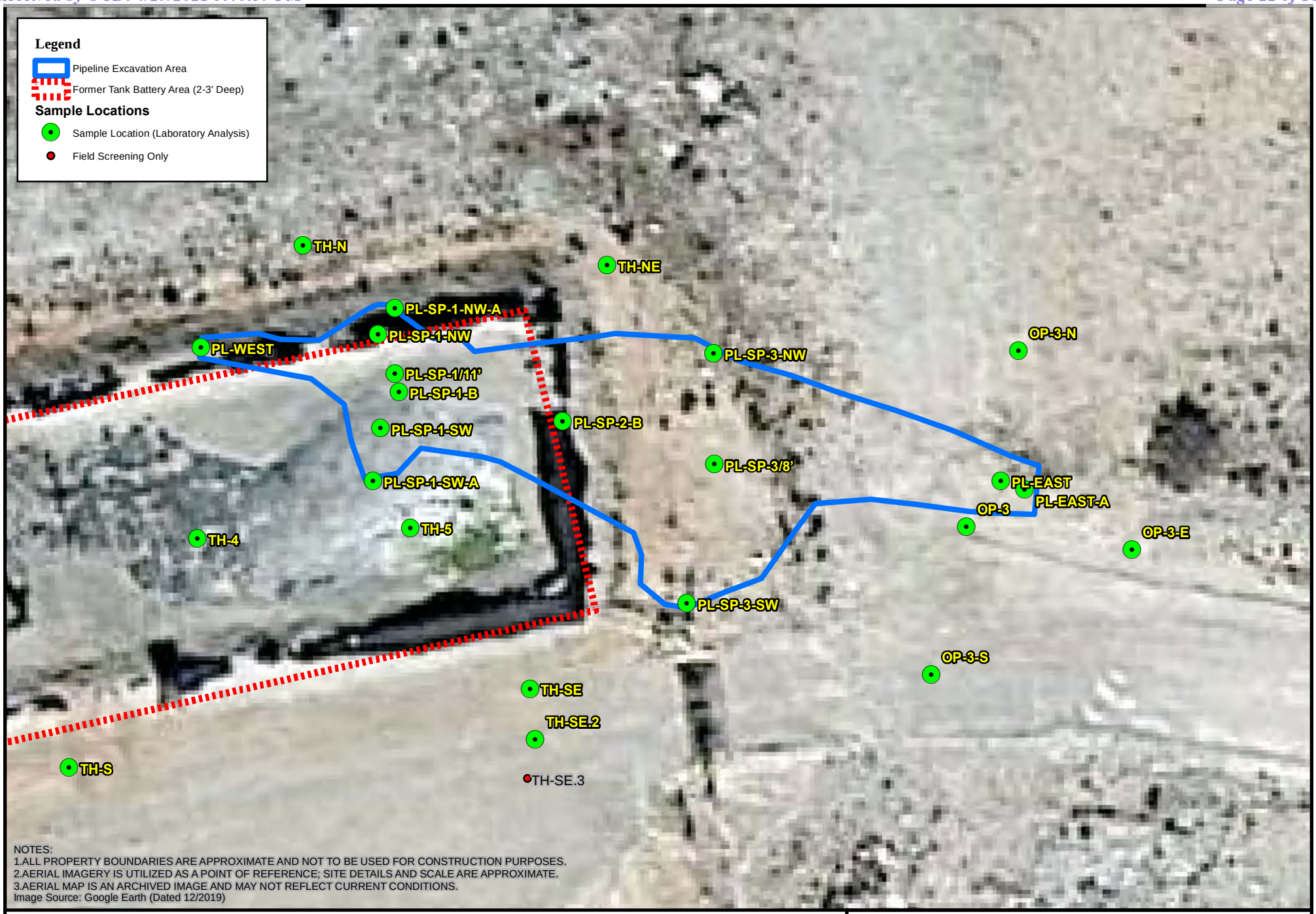
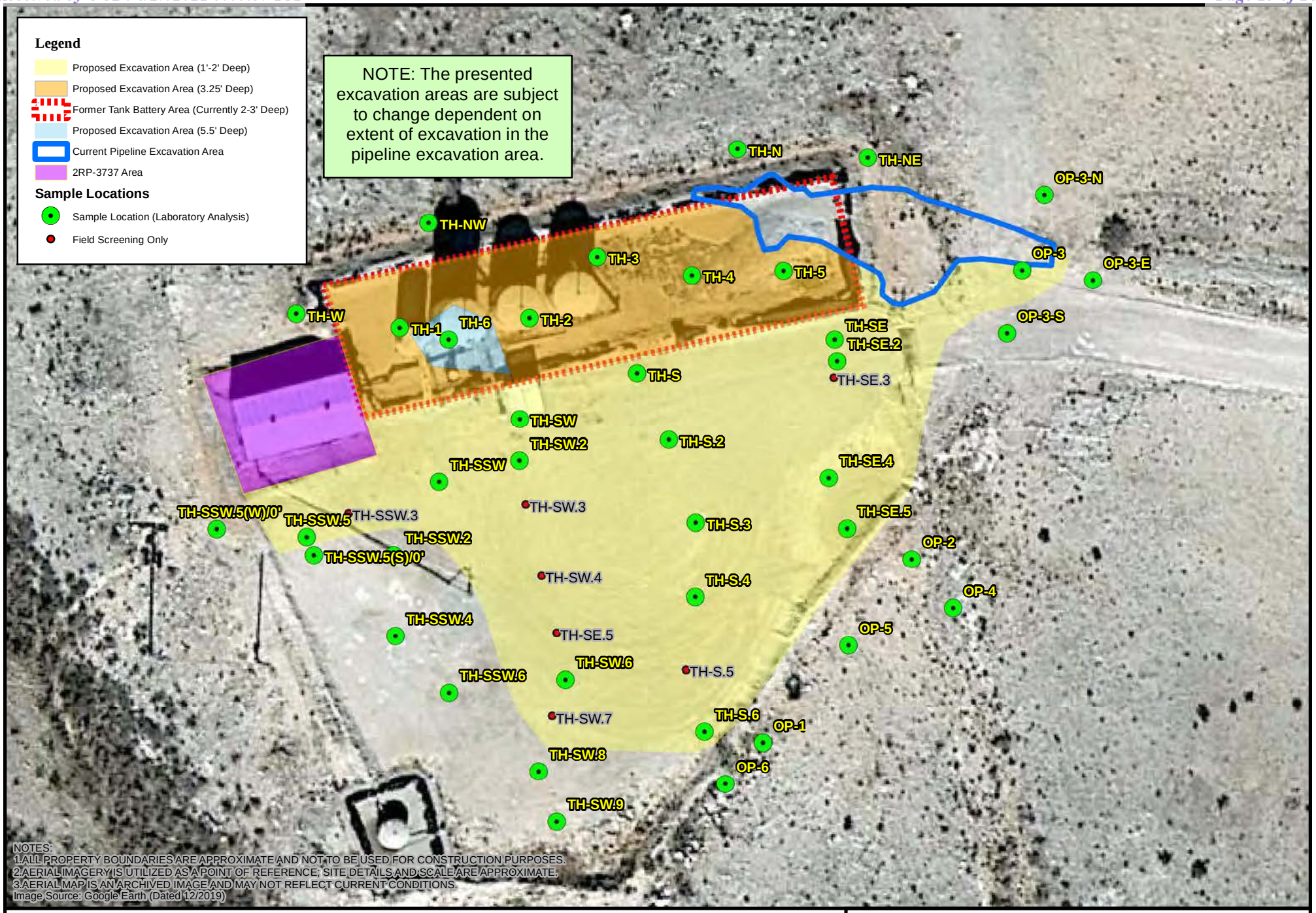


Figure 5 - Soil Sample Location Map (Pipeline Area)
Donahue Federal SWD #1
EOG Resources, Inc.



RANGER ENVIRONMENTAL SERVICES, INC.

Figure 6 - Proposed Soil Excavation Map
Donahue Federal SWD #1
EOG Resources, Inc.

ATTACHMENT 3 – USGS AND NMOSE WATER WELL DATA

National Water Information System: Web Interface

USGS Water Resources

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

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Search Results -- 1 sites found

site_no list =

- 323341104330401

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

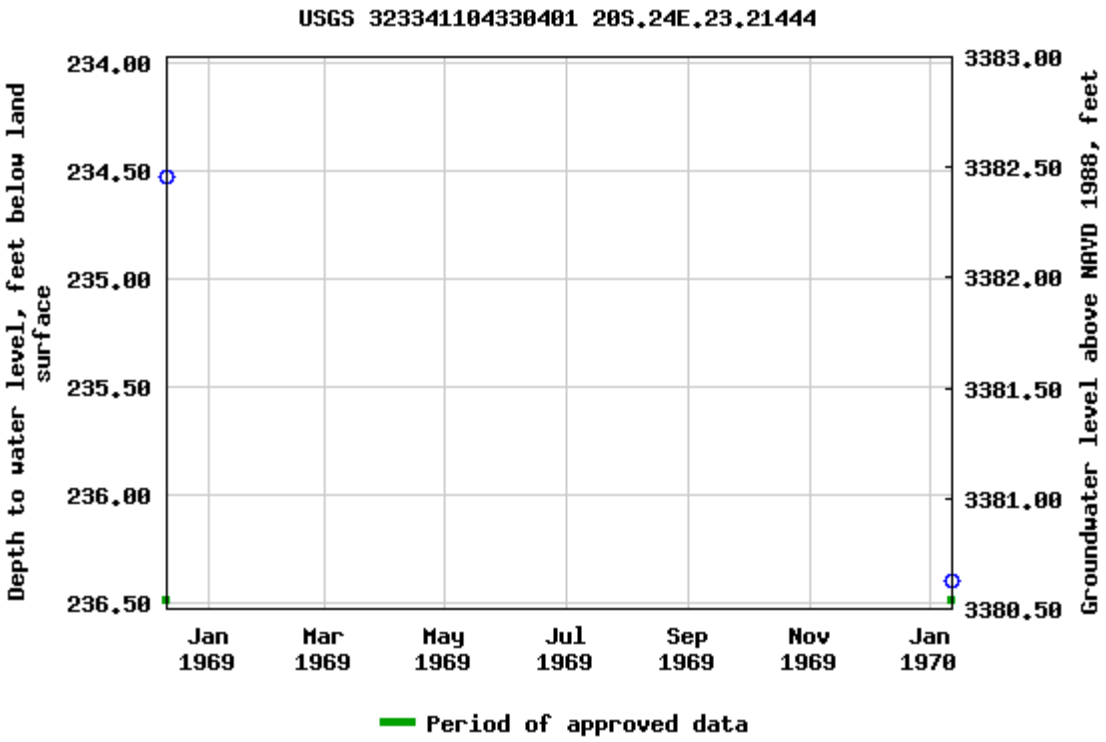
USGS 323341104330401 20S.24E.23.21444

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

Eddy County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°33'41", Longitude 104°33'04" NAD27
Land-surface elevation 3,617 feet above NAVD88
The depth of the well is 272 feet below land surface.
This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.
This well is completed in the Rustler Formation (312RSLR) 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.
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USGS Water Resources

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

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Search Results -- 1 sites found

site_no list =

- 323549104365101

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

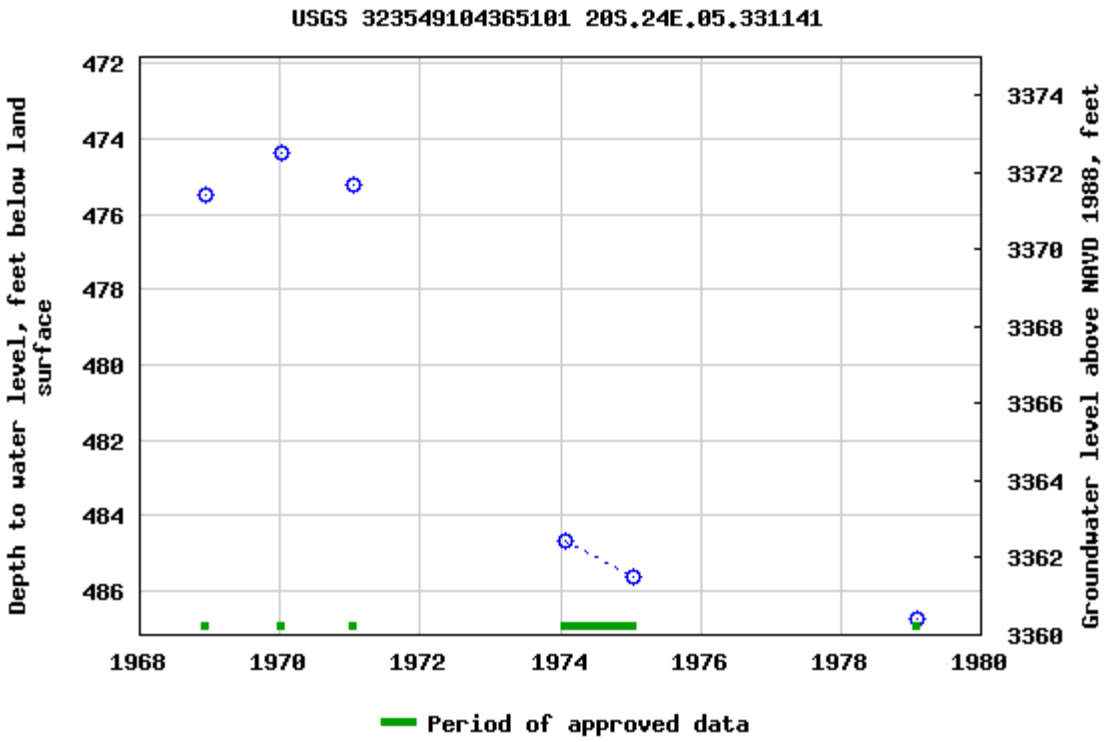
USGS 323549104365101 20S.24E.05.331141

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

Eddy County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°35'49", Longitude 104°36'51" NAD27
Land-surface elevation 3,847 feet above NAVD88
The depth of the well is 500 feet below land surface.
This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.
This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

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



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

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Search Results -- 1 sites found

site_no list =

- 323601104321701

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

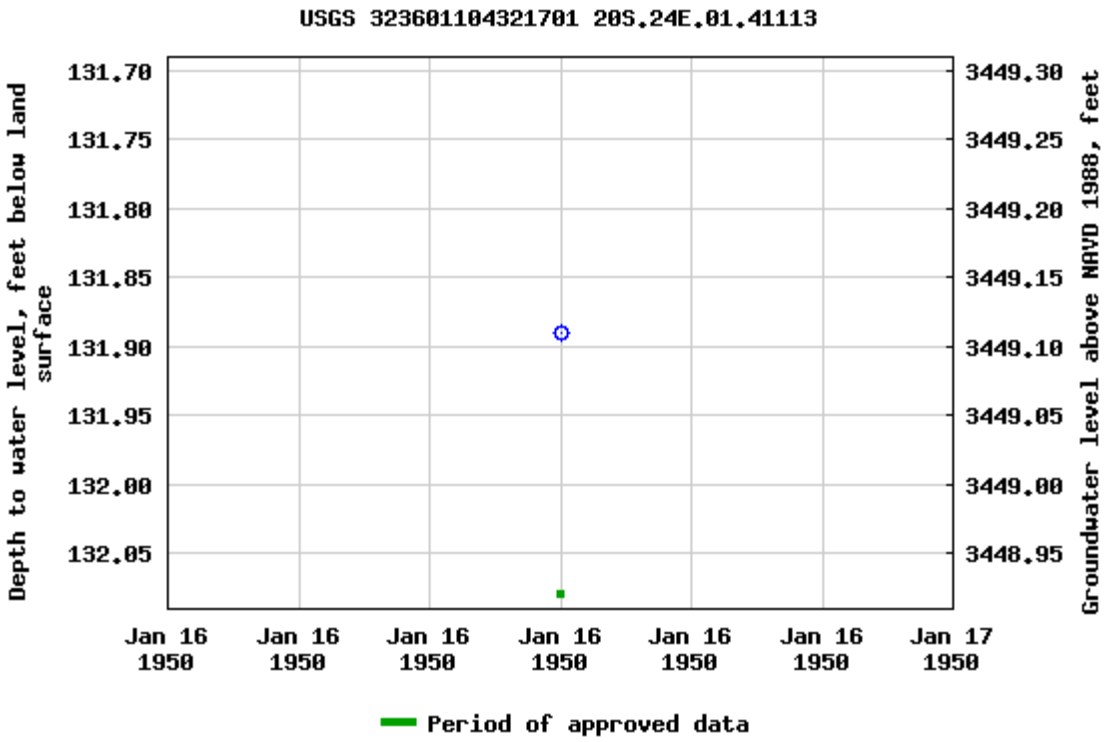
USGS 323601104321701 20S.24E.01.41113

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

Eddy County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°36'01", Longitude 104°32'17" NAD27
Land-surface elevation 3,581 feet above NAVD88
The depth of the well is 282 feet below land surface.
This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.
This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

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



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Search Results -- 1 sites found

site_no list =

- 323610104342801

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

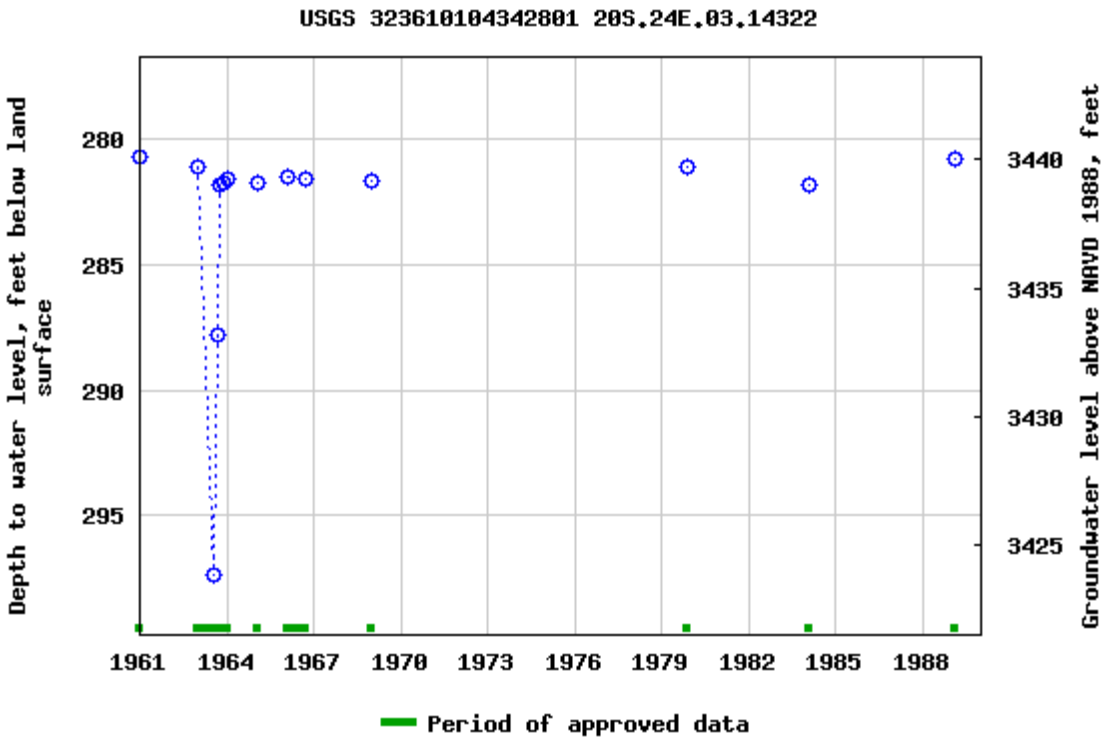
USGS 323610104342801 20S.24E.03.14322

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

Eddy County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°36'10", Longitude 104°34'28" NAD27
Land-surface elevation 3,721 feet above NAVD88
The depth of the well is 310 feet below land surface.
This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.
This well is completed in the Artesia Group (313ARTS) local aquifer.

Output formats

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



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Search Results -- 1 sites found

site_no list =

- 323611104343701

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

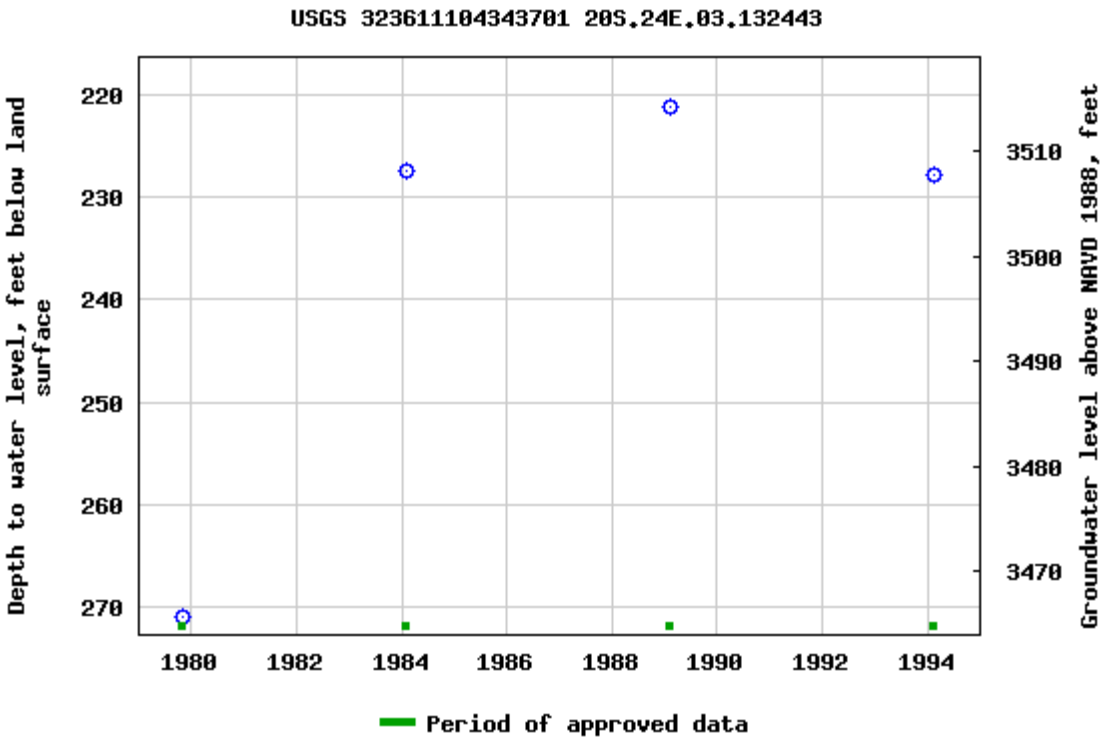
USGS 323611104343701 20S.24E.03.132443

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

Eddy County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°36'11", Longitude 104°34'37" NAD27
Land-surface elevation 3,736 feet above NAVD88
The depth of the well is 465 feet below land surface.
This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.
This well is completed in the Artesia Group (313ARTS) local aquifer.

Output formats

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



Breaks in the plot represent a gap of at least one year between field measurements.
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Title: Groundwater for USA: Water Levels
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2021-04-07 12:02:11 EDT
0.67 0.61 nadww01

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

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

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
RA 00189		RA	CH	3	1	4	20	20S	24E	536700	3602190*	220		
RA 02775		RA	CH	1	4	3	21	20S	24E	537899	3601986*	140	31	109
RA 03084		RA	ED			1	03	20S	24E	539366	3607752*	330	268	62
RA 03085		RA	CH			1	01	20S	24E	542613	3607799*	465	300	165
RA 04502		RA	ED		2	2	25	20S	24E	543656	3601480*	300	268	32
RA 04742		RA	ED		3	3	13	20S	24E	542408	3603517*	300		
RA 04956		RA	ED		1	1	21	20S	24E	537605	3603101*	1013		
RA 05146		RA	ED		1	2	14	20S	24E	541600	3604734*	300	80	220
RA 05284		RA	ED		1	2	01	20S	24E	543220	3607973*	282	273	9
RA 05424		RA	ED	4	2	3	22	20S	24E	539669	3602194*	1000	400	600
RA 05478		RA	ED	3	2	3	08	20S	24E	536272	3605389*	550	500	50
RA 07771		RA	ED	4	1	4	22	20S	24E	540073	3602194*			
RA 10139		RA	ED	3	3	2	21	20S	24E	538285	3602597*	308		
RA 10140		RA	ED	2	1	1	35	20S	24E	540938	3599981*	295		

Average Depth to Water: **265 feet**
Minimum Depth: **31 feet**
Maximum Depth: **500 feet**

Record Count: 14

PLSS Search:

Township: 20S **Range:** 24E

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

ATTACHMENT 4 – ANALYTICAL TABLES

SOIL BTEX (EPA 8021), TPH (SW 8015) & CHLORIDE (EPA 300) ANALYTICAL DATA
EOG RESOURCES, INC.
DONAHUE FEDERAL SWD #1

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 - March 22, 2021													
TH-1/1'	3/22/2021	1	<0.093	<0.19	<0.19	<0.37	<0.843	<19	420	740	420	1,160	290
TH-1/2'	3/22/2021	2	<0.078	<0.16	<0.16	<0.31	<0.708	<16	13	56	13	69	69
TH-1/3'	3/22/2021	3	<0.11	<0.22	<0.22	<0.43	<0.98	<22	55	97	55	152	110
TH-2/1'	3/22/2021	1	<0.45	<0.9	19	16	35	2,100	6,700	3,900	8,800	12,700	1,200
TH-2/2'	3/22/2021	2	<0.1	<0.2	0.31	0.41	0.72	67	450	290	517	807	390
TH-3/1'	3/22/2021	1	<0.095	<0.19	<0.19	<0.38	<0.76	<19	410	810	410	1,220	980
TH-3/3'	3/22/2021	3	<0.070	<0.14	<0.14	<0.28	<1.26	<14	36	63	36	99	210
TH-4/1'	3/22/2021	1	<0.097	<0.19	0.27	0.5	0.77	64	230	320	294	614	2,100
TH-4/2'	3/22/2021	2	<0.088	<0.18	<0.18	<0.35	<0.798	<18	<9.4	<47	<27.4	<74.4	2,500
TH-5/1'	3/22/2021	1	5.2	3.8	11	58	78	1,700	2,100	800	4,600	5,400	660
TH-5/2'	3/22/2021	2	4.3	<0.69	9.6	30	44	1,200	3,200	2,300	4,400	6,700	1,600
TH-W/0'	3/22/2021	0	<0.018	<0.036	<0.036	<0.071	<0.09	<3.6	<9.1	54	<12.7	54	<59
TH-W/1'	3/22/2021	1	<0.02	<0.041	<0.041	<0.082	<0.184	<4.1	<8.7	58	<12.8	58	<60
TH-NW/1'	3/22/2021	1	<0.017	<0.034	<0.034	<0.068	<0.153	<3.4	<9.4	56	<12.8	56	110
TH-NW/3'	3/22/2021	3	<0.022	<0.043	<0.043	<0.086	<0.194	<4.3	<9.0	<45	<13.3	<58.3	500
TH-SW/1'	3/22/2021	1	<0.018	<0.036	<0.036	<0.072	<0.162	<3.6	32	89	32	121	430
TH-SW/3'	3/22/2021	3	<0.016	<0.032	<0.032	<0.064	<0.144	<3.2	<9.6	<48	<12.8	<60.8	190
TH-S/1'	3/22/2021	1	<0.022	<0.043	<0.043	<0.087	<0.195	<4.3	87	280	87	367	1,700
TH-S/3'	3/22/2021	3	<0.022	<0.044	<0.044	<0.088	<0.198	<4.4	16	<47	16	16	240
TH-S.2/1'	3/22/2021	1	<0.029	<0.057	<0.057	<0.11	<0.253	<5.7	20	73	20	93	2,300
TH-S.2/3'	3/22/2021	3	<0.023	<0.046	<0.046	<0.092	<0.207	<4.6	<9.3	<46	<13.9	<59.9	460
TH-S.3/0'	3/22/2021	0	<0.023	<0.046	<0.046	<0.093	<0.208	<4.6	170	220	170	390	4,000
TH-S.3/1'	3/22/2021	1	<0.022	<0.043	<0.043	<0.086	<0.194	<4.3	76	<49	76	76	2,600
TH-SE/0'	3/22/2021	0	<0.02	<0.04	<0.04	<0.081	<0.181	<4.0	<9.4	<47	<13.4	<60.4	640
TH-SE/1'	3/22/2021	1	<0.023	<0.047	<0.047	<0.093	<0.21	<4.7	<9.7	<49	<14.4	<63.4	620
TH-NE/0'	3/22/2021	0	<0.019	<0.039	<0.039	<0.078	<0.175	<3.9	<9.4	65	<13.3	65	400
TH-NE/1'	3/22/2021	1	<0.023	<0.045	<0.045	<0.091	<0.204	<4.5	10	74	10	84	390
TH-N/0'	3/22/2021	0	<0.023	<0.045	<0.045	<0.09	<0.203	<4.5	<9.8	<49	<14.3	<63.3	<60
TH-N/1'	3/22/2021	1	<0.034	<0.068	<0.068	<0.14	<0.31	<6.8	<8.9	<45	<15.7	<60.7	<59
April 13-15, 2021													
Former Tank Battery Area Samples													
TH-1/3.25'	4/13/2021	3.25	<0.014	<0.028	<0.028	<0.057	<0.127	<2.8	<9.8	<49	<12.6	<61.6	63
TH-2/3.25'	4/13/2021	3.25	<0.067	<0.13	<0.13	<0.27	<0.597	<13	<8.5	<43	<21.5	<64.5	64
TH-4/2.25'	4/13/2021	2.25	<0.018	<0.035	<0.035	<0.07	<0.158	<3.5	32	<45	32	32	240
TH-5/3'	4/13/2021	3	<0.072	<0.14	<0.14	<0.29	<0.642	<14	160	190	160	350	120
TH-6/4'	4/13/2021	4	<0.028	<0.055	<0.055	<0.11	<0.165	<5.5	380	830	380	1,210	350
Facility Pad Area & Off-pad Area Samples													
TH-S.4/0'	4/13/2021	0	<0.094	<0.19	<0.19	<0.38	<0.854	<19	130	230	130	360	4,800
TH-S.4/1'	4/13/2021	1	<0.016	<0.031	<0.031	<0.062	<0.14	<3.1	<8.7	<44	<11.8	<55.8	150
TH-S.6/0'	4/13/2021	0	<0.021	<0.041	<0.041	<0.083	<0.186	<4.1	14	<46	14	14	<60
TH-S.6/1'	4/13/2021	1	<0.020	<0.040	<0.040	<0.081	<0.181	<4.0	<9.8	130	<13.8	130	<59
TH-SE.2/1'	4/13/2021	1	<0.021	<0.042	<0.042	<0.083	<0.188	<4.2	16	<49	<4.2	16	400
TH-SE.4/0.75'	4/13/2021	0.75	<0.018	<0.036	<0.036	<0.071	<0.161	<3.6	71	230	71	301	1,900
TH-SE.5/0'	4/13/2021	0	<0.026	<0.052	<0.052	<0.1	<0.152	<5.2	130	420	130	550	1,100
TH-SW.2/0'	4/13/2021	0	<0.014	<0.029	<0.029	<0.057	<0.129	<2.9	380	770	380	1,150	7,600
TH-SW.2/2'	4/13/2021	2	<0.017	<0.034	<0.034	<0.067	<0.152	<3.4	39	50	39	89	320
TH-SW.6/1'	4/13/2021	1	<0.013	<0.027	<0.027	<0.054	<0.121	<2.7	<9.0	<45	<11.7	<56.7	<60
TH-SW.8/0'	4/13/2021	0	<0.018	<0.037	<0.037	<0.073	<0.165	<3.7	33	<47	<36.7	<83.7	510
TH-SW.9/0'	4/13/2021	0	<0.023	<0.045	<0.045	<0.091	<0.204	<4.5	<9.5	<48	<13	<61	<60
TH-SSW/0'	4/13/2021	0	<0.090	<0.18	<0.18	<0.36	<0.81	<18	270	520	270	790	1,200
TH-SSW/1'	4/13/2021	1	<0.016	<0.031	<0.031	<0.062	<0.14	<3.1	14	<49	14	14	160
TH-SSW.2/0'	4/13/2021	0	<0.017	<0.034	<0.034	<0.069	<0.154	<3.4	11	<44	11	11	160
TH-SSW.4/0'	4/13/2021	0	<0.018	<0.036	<0.036	<0.072	<0.162	<3.6	<9.2	<46	<12.8	<58.8	70
TH-SSW.5/0'	4/13/2021	0	<0.020	<0.040	<0.040	<0.080	<0.18	<4.0	<9.1	<45	<13.1	<58.1	1,000
TH-SSW.6/0'	4/13/2021	0	<0.021	<0.043	<0.043	<0.085	<0.192	<4.3	<8.6	<43	<12.9	<55.9	260

SOIL BTEX (EPA 8021), TPH (SW 8015) & CHLORIDE (EPA 300) ANALYTICAL DATA
EOG RESOURCES, INC.
DONAHUE FEDERAL SWD #1

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
OP-1	4/13/2021	0	<0.019	<0.037	<0.037	<0.075	<0.168	<3.7	<9.3	<46	<13	<59	63
OP-2	4/13/2021	0	<0.020	<0.040	<0.040	<0.079	<0.179	<4.0	<9.5	<48	<13.5	<61.5	370
OP-3	4/13/2021	0	<0.021	<0.042	<0.042	<0.084	<0.189	<4.2	52	130	52	**182**	**610**
OP-4	4/13/2021	0	<0.017	<0.035	<0.035	<0.069	<0.156	<3.5	<9.1	60	<12.6	60	110
OP-5	4/13/2021	0	<0.022	<0.045	<0.045	<0.090	<0.202	<4.5	<9.9	<49	<14.4	<63.4	350
Pipeline Area Area Samples													
PL-EAST	4/14/2021	4.5'	<0.092	<0.18	<0.18	<0.37	<0.822	<18	1,300	3,100	1,300	**4,400**	**670**
PL-SP-1-B	4/15/2021	7'	<0.097	<0.19	<0.19	<0.39	<0.867	<19	3,100	3,600	3,100	**6,700**	80
PL-SP-1-NW	4/15/2021	7'	<0.13	<0.27	<0.27	<0.54	<1.21	<27	78	210	78	**288**	180
PL-SP-1-SW	4/15/2021	7'	<0.095	<0.19	<0.19	<0.38	<0.855	<19	150	320	150	**470**	82
PL-SP-2-B	4/15/2021	4'	<0.018	<0.037	0.057	<0.073	0.057	12	350	220	362	**582**	120
PL-WEST	4/14/2021	3.25'	<0.016	<0.031	<0.031	<0.062	<0.14	<3.1	<9.7	<48	<12.8	<60.8	260
April 20-21, 2021													
Former Tank Battery Area Samples													
TH-6/5.5'	4/21/2021	5.5'	<0.016	<0.032	<0.032	<0.063	<0.143	<3.2	23	<42	23	23	<60
TH-5/3.25'	4/21/2021	3.25'	<0.023	<0.046	<0.046	<0.092	<0.207	<4.6	<9.5	<47	<14.1	<61.1	460
Facility Pad Area & Off-pad Area Samples													
TH-SSW-5(W)/0'	4/20/2021	0'	<0.066	<0.13	<0.13	<0.27	<0.596	<13	24	<49	24	24	220
TH-SSW-5(S)/0'	4/20/2021	0'	<0.016	<0.032	<0.032	<0.064	<0.144	<3.2	10	<49	10	10	61
OP-3-N	4/21/2021	0'	<0.019	<0.037	<0.037	<0.075	<0.168	<3.7	<9.6	51	<13.3	51	120
OP-3-E	4/21/2021	0'	<0.015	<0.030	<0.030	<0.060	<0.135	<3	13	70	13	83	200
OP-3-S	4/21/2021	0'	<0.021	<0.041	<0.041	<0.083	<0.186	<4.1	10	54	10	64	170
OP-6	4/20/2021	0'	<0.019	<0.037	<0.037	<0.075	<0.168	<3.7	13	63	13	76	120
Pipeline Area Area Samples													
PL-EAST-A	4/20/2021	4.5	<0.11	<0.22	<0.22	<0.44	<0.99	<22	830	1,300	830	**2,130**	150
PL-SP-1/11'	4/20/2021	11'	<0.022	<0.044	<0.044	<0.088	<0.198	<4.4	1,000	1,300	1,000	**2,300**	210
PL-SP-1-NW-A	4/20/2021	9'	<0.15	<0.30	<0.30	<0.30	<1.05	<30	130	230	130	**360**	98
PL-SP-1-SW-A	4/20/2021	10'	<0.11	<0.21	<0.21	<0.43	<0.96	<21	220	400	220	**620**	280
PL-SP-3/8'	4/20/2021	8'	<0.019	<0.039	<0.039	<0.078	<0.175	<3.9	<9.5	<48	<3.9	<51.9	74
PL-SP-3-NW	4/20/2021	7'	<0.018	<0.037	<0.037	<0.073	<0.165	<3.7	200	530	200	**730**	**1,400**
PL-SP-3-SW	4/21/2021	7'	<0.013	<0.027	<0.027	<0.054	<0.121	<2.7	32	97	32	**129**	<60
19.15.29.12 NMAC Table 1 Closure Criteria for Soils Impacted by a Release (GW ≤ 50')			**10**	**---**	**---**	**---**	**50**	**---**	**---**	**---**	**---**	**100**	**600**
19.15.29.13 NMAC Reclamation Criteria (0'-4' Soils Only)			**10**	**---**	**---**	**---**	**50**	**---**	**---**	**---**	**---**	**100**	**600**

Notes:

1. Results exceeding the Table 1 Closure Criteria presented in bold type with yellow highlighting. Results in the 0'-4' depth interval that are in excess of the Reclamation Criteria are presented in bold, red type.

ATTACHMENT 5 – SITE PHOTOGRAPHS

PHOTOGRAPH NO. 1 – A view of the former tank battery area during the discovery of the incident. The view is from the eastern tank battery boundary towards the west.

PHOTOGRAPH NO. 2 – A view of the initial site assessment activities in the "TH-1" area on March 22, 2021. The view is towards the northeast.

PHOTOGRAPH NO. 3 – A view of the additional assessment activities in facility pad area. In the view test hole excavations "TH-S.4", "TH-S.5" and "TH-S.6" are visible. The view is towards the south.

PHOTOGRAPH NO. 4 – A view of the excavated tank battery area during the April 13, 2021 additional assessment. The equipment visible is situated near the "TH-2" location. The view is towards the northeast.

PHOTOGRAPH NO. 5 – A view two out-of-service PVC lines upon exposure. The view is towards the northwest.

PHOTOGRAPH NO. 6 – A general view of the facility pad area during the April 13, 2021 assessment activities. The view is from the former tank battery area and is towards the south.

PHOTOGRAPH NO. 7 – A view of the pipeline area during the removal of the out-of-service PVC lines. The view is towards the southeast.

PHOTOGRAPH NO. 8 – A view of the "PL-SP-1" area during the April 15, 2021 sampling event. The view is towards the southeast.

PHOTOGRAPH NO. 9 – A view of the rocky conditions observed within the pipeline area during assessment activities on April 20, 2021.

PHOTOGRAPH NO. 10 – A view collected during the assessment of the "PL-SP-3" area on April 21, 2021. The view is towards the west.

PHOTOGRAPH NO. 11 – An additional view of the current extent of excavation activities in the pipeline area. The view is towards the northwest.

ATTACHMENT 6 – 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

March 29, 2021

Will Kierdorf
EOG
105 South Fourth Street
Artesia, NM 88210
TEL: (575) 748-4195
FAX:

RE: Donahue Federal SWD 1 OrderNo.: 2103B07

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 29 sample(s) on 3/24/2021 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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2103B07**
Date Reported: **3/29/2021**

CLIENT: EOG **Client Sample ID:** TH- 1/1'
Project: Donahue Federal SWD 1 **Collection Date:** 3/22/2021 8:21:00 AM
Lab ID: 2103B07-001 **Matrix:** MEOH (SOIL) **Received Date:** 3/24/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	290	60		mg/Kg	20	3/25/2021 1:37:29 PM	58953
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	420	93		mg/Kg	10	3/24/2021 4:13:42 PM	58925
Motor Oil Range Organics (MRO)	740	460		mg/Kg	10	3/24/2021 4:13:42 PM	58925
Surr: DNOP	0	70-130	S	%Rec	10	3/24/2021 4:13:42 PM	58925
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	19		mg/Kg	5	3/24/2021 2:39:51 PM	58900
Surr: BFB	92.5	75.3-105		%Rec	5	3/24/2021 2:39:51 PM	58900
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.093		mg/Kg	5	3/24/2021 2:39:51 PM	58900
Toluene	ND	0.19		mg/Kg	5	3/24/2021 2:39:51 PM	58900
Ethylbenzene	ND	0.19		mg/Kg	5	3/24/2021 2:39:51 PM	58900
Xylenes, Total	ND	0.37		mg/Kg	5	3/24/2021 2:39:51 PM	58900
Surr: 4-Bromofluorobenzene	101	80-120		%Rec	5	3/24/2021 2:39:51 PM	58900

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 **2103B07**
Date Reported: **3/29/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH- 1/2'
Project: Donahue Federal SWD 1 **Collection Date:** 3/22/2021 8:23:00 AM
Lab ID: 2103B07-002 **Matrix:** MEOH (SOIL) **Received Date:** 3/24/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	69	60		mg/Kg	20	3/25/2021 1:49:50 PM	58953
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	13	9.9		mg/Kg	1	3/24/2021 4:25:37 PM	58925
Motor Oil Range Organics (MRO)	56	50		mg/Kg	1	3/24/2021 4:25:37 PM	58925
Surr: DNOP	102	70-130		%Rec	1	3/24/2021 4:25:37 PM	58925
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	16		mg/Kg	5	3/24/2021 3:03:20 PM	58900
Surr: BFB	91.7	75.3-105		%Rec	5	3/24/2021 3:03:20 PM	58900
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.078		mg/Kg	5	3/24/2021 3:03:20 PM	58900
Toluene	ND	0.16		mg/Kg	5	3/24/2021 3:03:20 PM	58900
Ethylbenzene	ND	0.16		mg/Kg	5	3/24/2021 3:03:20 PM	58900
Xylenes, Total	ND	0.31		mg/Kg	5	3/24/2021 3:03:20 PM	58900
Surr: 4-Bromofluorobenzene	99.7	80-120		%Rec	5	3/24/2021 3:03:20 PM	58900

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 **2103B07**
Date Reported: **3/29/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH- 1/3'
Project: Donahue Federal SWD 1 **Collection Date:** 3/22/2021 8:30:00 AM
Lab ID: 2103B07-003 **Matrix:** MEOH (SOIL) **Received Date:** 3/24/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	110	61		mg/Kg	20	3/25/2021 2:02:11 PM	58953
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	55	9.7		mg/Kg	1	3/24/2021 4:37:23 PM	58925
Motor Oil Range Organics (MRO)	97	48		mg/Kg	1	3/24/2021 4:37:23 PM	58925
Surr: DNOP	101	70-130		%Rec	1	3/24/2021 4:37:23 PM	58925
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	22		mg/Kg	5	3/24/2021 3:27:15 PM	58900
Surr: BFB	92.3	75.3-105		%Rec	5	3/24/2021 3:27:15 PM	58900
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.11		mg/Kg	5	3/24/2021 3:27:15 PM	58900
Toluene	ND	0.22		mg/Kg	5	3/24/2021 3:27:15 PM	58900
Ethylbenzene	ND	0.22		mg/Kg	5	3/24/2021 3:27:15 PM	58900
Xylenes, Total	ND	0.43		mg/Kg	5	3/24/2021 3:27:15 PM	58900
Surr: 4-Bromofluorobenzene	100	80-120		%Rec	5	3/24/2021 3:27:15 PM	58900

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 **2103B07**
Date Reported: **3/29/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH- 2/1'
Project: Donahue Federal SWD 1 **Collection Date:** 3/22/2021 8:50:00 AM
Lab ID: 2103B07-004 **Matrix:** MEOH (SOIL) **Received Date:** 3/24/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**MRA**
Chloride	1200	60		mg/Kg	20	3/25/2021 2:14:32 PM	58953
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**JME**
Diesel Range Organics (DRO)	6700	420		mg/Kg	50	3/25/2021 9:19:28 AM	58925
Motor Oil Range Organics (MRO)	3900	2100		mg/Kg	50	3/25/2021 9:19:28 AM	58925
Surr: DNOP	0	70-130	S	%Rec	50	3/25/2021 9:19:28 AM	58925
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**
Gasoline Range Organics (GRO)	2100	90		mg/Kg	20	3/24/2021 2:16:18 PM	58900
Surr: BFB	243	75.3-105	S	%Rec	20	3/24/2021 2:16:18 PM	58900
EPA METHOD 8021B: VOLATILES						Analyst:	**NSB**
Benzene	ND	0.45		mg/Kg	20	3/24/2021 2:16:18 PM	58900
Toluene	ND	0.90		mg/Kg	20	3/24/2021 2:16:18 PM	58900
Ethylbenzene	19	0.90		mg/Kg	20	3/24/2021 2:16:18 PM	58900
Xylenes, Total	16	1.8		mg/Kg	20	3/24/2021 2:16:18 PM	58900
Surr: 4-Bromofluorobenzene	124	80-120	S	%Rec	20	3/24/2021 2:16:18 PM	58900

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 **2103B07**
Date Reported: **3/29/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH- 2/2'
Project: Donahue Federal SWD 1 **Collection Date:** 3/22/2021 8:52:00 AM
Lab ID: 2103B07-005 **Matrix:** MEOH (SOIL) **Received Date:** 3/24/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	390	60		mg/Kg	20	3/25/2021 2:26:53 PM	58953
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	450	9.1		mg/Kg	1	3/25/2021 8:44:12 AM	58925
Motor Oil Range Organics (MRO)	290	46		mg/Kg	1	3/25/2021 8:44:12 AM	58925
Surr: DNOP	111	70-130		%Rec	1	3/25/2021 8:44:12 AM	58925
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	67	20		mg/Kg	5	3/24/2021 3:51:00 PM	58900
Surr: BFB	151	75.3-105	S	%Rec	5	3/24/2021 3:51:00 PM	58900
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.10		mg/Kg	5	3/24/2021 3:51:00 PM	58900
Toluene	ND	0.20		mg/Kg	5	3/24/2021 3:51:00 PM	58900
Ethylbenzene	0.31	0.20		mg/Kg	5	3/24/2021 3:51:00 PM	58900
Xylenes, Total	0.41	0.40		mg/Kg	5	3/24/2021 3:51:00 PM	58900
Surr: 4-Bromofluorobenzene	104	80-120		%Rec	5	3/24/2021 3:51:00 PM	58900

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 **2103B07**
Date Reported: **3/29/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH- 3/1'
Project: Donahue Federal SWD 1 **Collection Date:** 3/22/2021 9:07:00 AM
Lab ID: 2103B07-006 **Matrix:** MEOH (SOIL) **Received Date:** 3/24/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	980	61		mg/Kg	20	3/25/2021 2:39:14 PM	58953
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	410	91		mg/Kg	10	3/24/2021 5:37:00 PM	58925
Motor Oil Range Organics (MRO)	810	450		mg/Kg	10	3/24/2021 5:37:00 PM	58925
Surr: DNOP	0	70-130	S	%Rec	10	3/24/2021 5:37:00 PM	58925
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	19		mg/Kg	5	3/24/2021 4:14:43 PM	58900
Surr: BFB	99.6	75.3-105		%Rec	5	3/24/2021 4:14:43 PM	58900
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.095		mg/Kg	5	3/24/2021 4:14:43 PM	58900
Toluene	ND	0.19		mg/Kg	5	3/24/2021 4:14:43 PM	58900
Ethylbenzene	ND	0.19		mg/Kg	5	3/24/2021 4:14:43 PM	58900
Xylenes, Total	ND	0.38		mg/Kg	5	3/24/2021 4:14:43 PM	58900
Surr: 4-Bromofluorobenzene	99.4	80-120		%Rec	5	3/24/2021 4:14:43 PM	58900

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 **2103B07**
Date Reported: **3/29/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH- 3/3'
Project: Donahue Federal SWD 1 **Collection Date:** 3/22/2021 9:10:00 AM
Lab ID: 2103B07-007 **Matrix:** MEOH (SOIL) **Received Date:** 3/24/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	210	60		mg/Kg	20	3/25/2021 2:51:35 PM	58953
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	36	9.7		mg/Kg	1	3/24/2021 6:00:36 PM	58925
Motor Oil Range Organics (MRO)	63	49		mg/Kg	1	3/24/2021 6:00:36 PM	58925
Surr: DNOP	101	70-130		%Rec	1	3/24/2021 6:00:36 PM	58925
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	14		mg/Kg	5	3/24/2021 4:38:18 PM	58900
Surr: BFB	91.7	75.3-105		%Rec	5	3/24/2021 4:38:18 PM	58900
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.070		mg/Kg	5	3/24/2021 4:38:18 PM	58900
Toluene	ND	0.14		mg/Kg	5	3/24/2021 4:38:18 PM	58900
Ethylbenzene	ND	0.14		mg/Kg	5	3/24/2021 4:38:18 PM	58900
Xylenes, Total	ND	0.28		mg/Kg	5	3/24/2021 4:38:18 PM	58900
Surr: 4-Bromofluorobenzene	99.6	80-120		%Rec	5	3/24/2021 4:38:18 PM	58900

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 **2103B07**
Date Reported: **3/29/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH- 4/1'
Project: Donahue Federal SWD 1 **Collection Date:** 3/22/2021 9:34:00 AM
Lab ID: 2103B07-008 **Matrix:** MEOH (SOIL) **Received Date:** 3/24/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	2100	60		mg/Kg	20	3/25/2021 2:52:31 PM	58972
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	230	9.6		mg/Kg	1	3/24/2021 6:24:34 PM	58925
Motor Oil Range Organics (MRO)	320	48		mg/Kg	1	3/24/2021 6:24:34 PM	58925
Surr: DNOP	103	70-130		%Rec	1	3/24/2021 6:24:34 PM	58925
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	64	19		mg/Kg	5	3/24/2021 5:01:47 PM	58900
Surr: BFB	132	75.3-105	S	%Rec	5	3/24/2021 5:01:47 PM	58900
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.097		mg/Kg	5	3/24/2021 5:01:47 PM	58900
Toluene	ND	0.19		mg/Kg	5	3/24/2021 5:01:47 PM	58900
Ethylbenzene	0.27	0.19		mg/Kg	5	3/24/2021 5:01:47 PM	58900
Xylenes, Total	0.50	0.39		mg/Kg	5	3/24/2021 5:01:47 PM	58900
Surr: 4-Bromofluorobenzene	105	80-120		%Rec	5	3/24/2021 5:01:47 PM	58900

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 **2103B07**
Date Reported: **3/29/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH- 4/2'
Project: Donahue Federal SWD 1 **Collection Date:** 3/22/2021 9:36:00 AM
Lab ID: 2103B07-009 **Matrix:** MEOH (SOIL) **Received Date:** 3/24/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	2500	150		mg/Kg	50	3/26/2021 6:48:04 AM	58972
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	3/24/2021 6:48:08 PM	58925
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	3/24/2021 6:48:08 PM	58925
Surr: DNOP	102	70-130		%Rec	1	3/24/2021 6:48:08 PM	58925
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	18		mg/Kg	5	3/24/2021 5:25:31 PM	58900
Surr: BFB	91.3	75.3-105		%Rec	5	3/24/2021 5:25:31 PM	58900
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.088		mg/Kg	5	3/24/2021 5:25:31 PM	58900
Toluene	ND	0.18		mg/Kg	5	3/24/2021 5:25:31 PM	58900
Ethylbenzene	ND	0.18		mg/Kg	5	3/24/2021 5:25:31 PM	58900
Xylenes, Total	ND	0.35		mg/Kg	5	3/24/2021 5:25:31 PM	58900
Surr: 4-Bromofluorobenzene	98.0	80-120		%Rec	5	3/24/2021 5:25:31 PM	58900

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		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2103B07**
Date Reported: **3/29/2021**

CLIENT: EOG **Client Sample ID:** TH- 5/1'
Project: Donahue Federal SWD 1 **Collection Date:** 3/22/2021 9:52:00 AM
Lab ID: 2103B07-010 **Matrix:** MEOH (SOIL) **Received Date:** 3/24/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	660	60		mg/Kg	20	3/25/2021 3:17:21 PM	58972
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	2100	92		mg/Kg	10	3/25/2021 9:43:14 AM	58925
Motor Oil Range Organics (MRO)	800	460		mg/Kg	10	3/25/2021 9:43:14 AM	58925
Surr: DNOP	0	70-130	S	%Rec	10	3/25/2021 9:43:14 AM	58925
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	1700	68		mg/Kg	20	3/24/2021 10:51:00 PM	R76179
Surr: BFB	188	75.3-105	S	%Rec	20	3/24/2021 10:51:00 PM	R76179
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	5.2	0.34		mg/Kg	20	3/24/2021 10:51:00 PM	R76179
Toluene	3.8	0.68		mg/Kg	20	3/24/2021 10:51:00 PM	R76179
Ethylbenzene	11	0.68		mg/Kg	20	3/24/2021 10:51:00 PM	R76179
Xylenes, Total	58	1.4		mg/Kg	20	3/24/2021 10:51:00 PM	R76179
Surr: 4-Bromofluorobenzene	127	80-120	S	%Rec	20	3/24/2021 10:51:00 PM	R76179

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 **2103B07**
Date Reported: **3/29/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH- 5/2'
Project: Donahue Federal SWD 1 **Collection Date:** 3/22/2021 9:54:00 AM
Lab ID: 2103B07-011 **Matrix:** MEOH (SOIL) **Received Date:** 3/24/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	1600	60		mg/Kg	20	3/25/2021 3:29:46 PM	58972
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	3200	94		mg/Kg	10	3/24/2021 7:23:26 PM	58925
Motor Oil Range Organics (MRO)	2300	470		mg/Kg	10	3/24/2021 7:23:26 PM	58925
Surr: DNOP	0	70-130	S	%Rec	10	3/24/2021 7:23:26 PM	58925
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	1200	69		mg/Kg	20	3/24/2021 11:30:00 PM	R76179
Surr: BFB	224	75.3-105	S	%Rec	20	3/24/2021 11:30:00 PM	R76179
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	4.3	0.35		mg/Kg	20	3/24/2021 11:30:00 PM	R76179
Toluene	ND	0.69		mg/Kg	20	3/24/2021 11:30:00 PM	R76179
Ethylbenzene	9.6	0.69		mg/Kg	20	3/24/2021 11:30:00 PM	R76179
Xylenes, Total	30	1.4		mg/Kg	20	3/24/2021 11:30:00 PM	R76179
Surr: 4-Bromofluorobenzene	119	80-120		%Rec	20	3/24/2021 11:30:00 PM	R76179

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 **2103B07**
Date Reported: **3/29/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH- W/0'
Project: Donahue Federal SWD 1 **Collection Date:** 3/22/2021 10:20:00 AM
Lab ID: 2103B07-012 **Matrix:** MEOH (SOIL) **Received Date:** 3/24/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	59		mg/Kg	20	3/25/2021 3:42:11 PM	58972
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	3/25/2021 7:33:31 AM	58925
Motor Oil Range Organics (MRO)	54	46		mg/Kg	1	3/25/2021 7:33:31 AM	58925
Surr: DNOP	125	70-130		%Rec	1	3/25/2021 7:33:31 AM	58925
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	3.6		mg/Kg	1	3/25/2021 12:09:00 AM	R76179
Surr: BFB	95.1	75.3-105		%Rec	1	3/25/2021 12:09:00 AM	R76179
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.018		mg/Kg	1	3/25/2021 12:09:00 AM	R76179
Toluene	ND	0.036		mg/Kg	1	3/25/2021 12:09:00 AM	R76179
Ethylbenzene	ND	0.036		mg/Kg	1	3/25/2021 12:09:00 AM	R76179
Xylenes, Total	ND	0.071		mg/Kg	1	3/25/2021 12:09:00 AM	R76179
Surr: 4-Bromofluorobenzene	87.1	80-120		%Rec	1	3/25/2021 12:09:00 AM	R76179

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 **2103B07**
Date Reported: **3/29/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH- W/1'
Project: Donahue Federal SWD 1 **Collection Date:** 3/22/2021 10:21:00 AM
Lab ID: 2103B07-013 **Matrix:** MEOH (SOIL) **Received Date:** 3/24/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	3/25/2021 4:19:24 PM	58972
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	8.7		mg/Kg	1	3/24/2021 8:10:32 PM	58925
Motor Oil Range Organics (MRO)	58	44		mg/Kg	1	3/24/2021 8:10:32 PM	58925
Surr: DNOP	118	70-130		%Rec	1	3/24/2021 8:10:32 PM	58925
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	4.1		mg/Kg	1	3/25/2021 12:29:00 AM	R76179
Surr: BFB	93.2	75.3-105		%Rec	1	3/25/2021 12:29:00 AM	R76179
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.020		mg/Kg	1	3/25/2021 12:29:00 AM	R76179
Toluene	ND	0.041		mg/Kg	1	3/25/2021 12:29:00 AM	R76179
Ethylbenzene	ND	0.041		mg/Kg	1	3/25/2021 12:29:00 AM	R76179
Xylenes, Total	ND	0.082		mg/Kg	1	3/25/2021 12:29:00 AM	R76179
Surr: 4-Bromofluorobenzene	87.0	80-120		%Rec	1	3/25/2021 12:29:00 AM	R76179

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 **2103B07**
Date Reported: **3/29/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH- NW/1'
Project: Donahue Federal SWD 1 **Collection Date:** 3/22/2021 10:42:00 AM
Lab ID: 2103B07-014 **Matrix:** MEOH (SOIL) **Received Date:** 3/24/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	110	60		mg/Kg	20	3/25/2021 4:31:48 PM	58972
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	3/24/2021 8:34:07 PM	58925
Motor Oil Range Organics (MRO)	56	47		mg/Kg	1	3/24/2021 8:34:07 PM	58925
Surr: DNOP	114	70-130		%Rec	1	3/24/2021 8:34:07 PM	58925
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	3.4		mg/Kg	1	3/25/2021 12:49:00 AM	R76179
Surr: BFB	93.7	75.3-105		%Rec	1	3/25/2021 12:49:00 AM	R76179
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.017		mg/Kg	1	3/25/2021 12:49:00 AM	R76179
Toluene	ND	0.034		mg/Kg	1	3/25/2021 12:49:00 AM	R76179
Ethylbenzene	ND	0.034		mg/Kg	1	3/25/2021 12:49:00 AM	R76179
Xylenes, Total	ND	0.068		mg/Kg	1	3/25/2021 12:49:00 AM	R76179
Surr: 4-Bromofluorobenzene	87.4	80-120		%Rec	1	3/25/2021 12:49:00 AM	R76179

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 **2103B07**
Date Reported: **3/29/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH- NW/3'
Project: Donahue Federal SWD 1 **Collection Date:** 3/22/2021 10:46:00 AM
Lab ID: 2103B07-015 **Matrix:** MEOH (SOIL) **Received Date:** 3/24/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	500	60		mg/Kg	20	3/25/2021 4:44:12 PM	58972
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	3/24/2021 8:57:37 PM	58925
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	3/24/2021 8:57:37 PM	58925
Surr: DNOP	102	70-130		%Rec	1	3/24/2021 8:57:37 PM	58925
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	4.3		mg/Kg	1	3/25/2021 1:09:00 AM	R76179
Surr: BFB	93.6	75.3-105		%Rec	1	3/25/2021 1:09:00 AM	R76179
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.022		mg/Kg	1	3/25/2021 1:09:00 AM	R76179
Toluene	ND	0.043		mg/Kg	1	3/25/2021 1:09:00 AM	R76179
Ethylbenzene	ND	0.043		mg/Kg	1	3/25/2021 1:09:00 AM	R76179
Xylenes, Total	ND	0.086		mg/Kg	1	3/25/2021 1:09:00 AM	R76179
Surr: 4-Bromofluorobenzene	85.2	80-120		%Rec	1	3/25/2021 1:09:00 AM	R76179

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 **2103B07**
Date Reported: **3/29/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH- SW/1'
Project: Donahue Federal SWD 1 **Collection Date:** 3/22/2021 10:59:00 AM
Lab ID: 2103B07-016 **Matrix:** MEOH (SOIL) **Received Date:** 3/24/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	430	60		mg/Kg	20	3/25/2021 5:21:27 PM	58972
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	32	9.9		mg/Kg	1	3/25/2021 7:57:04 AM	58925
Motor Oil Range Organics (MRO)	89	49		mg/Kg	1	3/25/2021 7:57:04 AM	58925
Surr: DNOP	106	70-130		%Rec	1	3/25/2021 7:57:04 AM	58925
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	3.6		mg/Kg	1	3/25/2021 1:28:00 AM	R76179
Surr: BFB	90.2	75.3-105		%Rec	1	3/25/2021 1:28:00 AM	R76179
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.018		mg/Kg	1	3/25/2021 1:28:00 AM	R76179
Toluene	ND	0.036		mg/Kg	1	3/25/2021 1:28:00 AM	R76179
Ethylbenzene	ND	0.036		mg/Kg	1	3/25/2021 1:28:00 AM	R76179
Xylenes, Total	ND	0.072		mg/Kg	1	3/25/2021 1:28:00 AM	R76179
Surr: 4-Bromofluorobenzene	85.3	80-120		%Rec	1	3/25/2021 1:28:00 AM	R76179

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 **2103B07**
Date Reported: **3/29/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH- SW/3'
Project: Donahue Federal SWD 1 **Collection Date:** 3/22/2021 11:02:00 AM
Lab ID: 2103B07-017 **Matrix:** MEOH (SOIL) **Received Date:** 3/24/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	190	60		mg/Kg	20	3/25/2021 5:33:52 PM	58972
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	3/24/2021 9:32:56 PM	58925
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/24/2021 9:32:56 PM	58925
Surr: DNOP	102	70-130		%Rec	1	3/24/2021 9:32:56 PM	58925
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	3.2		mg/Kg	1	3/25/2021 1:48:00 AM	R76179
Surr: BFB	93.2	75.3-105		%Rec	1	3/25/2021 1:48:00 AM	R76179
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.016		mg/Kg	1	3/25/2021 1:48:00 AM	R76179
Toluene	ND	0.032		mg/Kg	1	3/25/2021 1:48:00 AM	R76179
Ethylbenzene	ND	0.032		mg/Kg	1	3/25/2021 1:48:00 AM	R76179
Xylenes, Total	ND	0.064		mg/Kg	1	3/25/2021 1:48:00 AM	R76179
Surr: 4-Bromofluorobenzene	86.9	80-120		%Rec	1	3/25/2021 1:48:00 AM	R76179

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 **2103B07**
Date Reported: **3/29/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH- S/1'
Project: Donahue Federal SWD 1 **Collection Date:** 3/22/2021 11:24:00 AM
Lab ID: 2103B07-018 **Matrix:** MEOH (SOIL) **Received Date:** 3/24/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	1700	59		mg/Kg	20	3/25/2021 2:42:24 PM	58972
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	87	10		mg/Kg	1	3/24/2021 9:44:45 PM	58925
Motor Oil Range Organics (MRO)	280	50		mg/Kg	1	3/24/2021 9:44:45 PM	58925
Surr: DNOP	108	70-130		%Rec	1	3/24/2021 9:44:45 PM	58925
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	4.3		mg/Kg	1	3/25/2021 2:08:00 AM	R76179
Surr: BFB	88.6	75.3-105		%Rec	1	3/25/2021 2:08:00 AM	R76179
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.022		mg/Kg	1	3/25/2021 2:08:00 AM	R76179
Toluene	ND	0.043		mg/Kg	1	3/25/2021 2:08:00 AM	R76179
Ethylbenzene	ND	0.043		mg/Kg	1	3/25/2021 2:08:00 AM	R76179
Xylenes, Total	ND	0.087		mg/Kg	1	3/25/2021 2:08:00 AM	R76179
Surr: 4-Bromofluorobenzene	82.6	80-120		%Rec	1	3/25/2021 2:08:00 AM	R76179

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 **2103B07**
Date Reported: **3/29/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH- S/3'
Project: Donahue Federal SWD 1 **Collection Date:** 3/22/2021 11:30:00 AM
Lab ID: 2103B07-019 **Matrix:** MEOH (SOIL) **Received Date:** 3/24/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**CAS**
Chloride	240	60		mg/Kg	20	3/25/2021 2:54:48 PM	58972
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**JME**
Diesel Range Organics (DRO)	16	9.3		mg/Kg	1	3/25/2021 8:20:26 AM	58925
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	3/25/2021 8:20:26 AM	58925
Surr: DNOP	112	70-130		%Rec	1	3/25/2021 8:20:26 AM	58925
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**CCM**
Gasoline Range Organics (GRO)	ND	4.4		mg/Kg	1	3/25/2021 2:27:00 AM	R76179
Surr: BFB	91.7	75.3-105		%Rec	1	3/25/2021 2:27:00 AM	R76179
EPA METHOD 8021B: VOLATILES						Analyst:	**CCM**
Benzene	ND	0.022		mg/Kg	1	3/25/2021 2:27:00 AM	R76179
Toluene	ND	0.044		mg/Kg	1	3/25/2021 2:27:00 AM	R76179
Ethylbenzene	ND	0.044		mg/Kg	1	3/25/2021 2:27:00 AM	R76179
Xylenes, Total	ND	0.088		mg/Kg	1	3/25/2021 2:27:00 AM	R76179
Surr: 4-Bromofluorobenzene	85.7	80-120		%Rec	1	3/25/2021 2:27:00 AM	R76179

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 **2103B07**
Date Reported: **3/29/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH- S.2/1'
Project: Donahue Federal SWD 1 **Collection Date:** 3/22/2021 11:42:00 AM
Lab ID: 2103B07-020 **Matrix:** MEOH (SOIL) **Received Date:** 3/24/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	2400	150		mg/Kg	50	3/26/2021 7:00:29 AM	58972
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	20	9.6		mg/Kg	1	3/24/2021 10:19:59 PM	58925
Motor Oil Range Organics (MRO)	73	48		mg/Kg	1	3/24/2021 10:19:59 PM	58925
Surr: DNOP	111	70-130		%Rec	1	3/24/2021 10:19:59 PM	58925
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	5.7		mg/Kg	1	3/25/2021 3:46:00 AM	R76179
Surr: BFB	92.4	75.3-105		%Rec	1	3/25/2021 3:46:00 AM	R76179
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.029		mg/Kg	1	3/25/2021 3:46:00 AM	R76179
Toluene	ND	0.057		mg/Kg	1	3/25/2021 3:46:00 AM	R76179
Ethylbenzene	ND	0.057		mg/Kg	1	3/25/2021 3:46:00 AM	R76179
Xylenes, Total	ND	0.11		mg/Kg	1	3/25/2021 3:46:00 AM	R76179
Surr: 4-Bromofluorobenzene	86.1	80-120		%Rec	1	3/25/2021 3:46:00 AM	R76179

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 **2103B07**
Date Reported: **3/29/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH- S.2/2'
Project: Donahue Federal SWD 1 **Collection Date:** 3/22/2021 1:44:00 PM
Lab ID: 2103B07-021 **Matrix:** MEOH (SOIL) **Received Date:** 3/24/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	460	60		mg/Kg	20	3/25/2021 3:19:37 PM	58972
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	3/24/2021 1:51:59 PM	58926
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	3/24/2021 1:51:59 PM	58926
Surr: DNOP	98.0	70-130		%Rec	1	3/24/2021 1:51:59 PM	58926
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	3/25/2021 4:05:00 AM	R76179
Surr: BFB	93.1	75.3-105		%Rec	1	3/25/2021 4:05:00 AM	R76179
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.023		mg/Kg	1	3/25/2021 4:05:00 AM	R76179
Toluene	ND	0.046		mg/Kg	1	3/25/2021 4:05:00 AM	R76179
Ethylbenzene	ND	0.046		mg/Kg	1	3/25/2021 4:05:00 AM	R76179
Xylenes, Total	ND	0.092		mg/Kg	1	3/25/2021 4:05:00 AM	R76179
Surr: 4-Bromofluorobenzene	87.8	80-120		%Rec	1	3/25/2021 4:05:00 AM	R76179

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 **2103B07**
Date Reported: **3/29/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH- S.3/0'
Project: Donahue Federal SWD 1 **Collection Date:** 3/22/2021 2:02:00 PM
Lab ID: 2103B07-022 **Matrix:** MEOH (SOIL) **Received Date:** 3/24/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	4000	150		mg/Kg	50	3/26/2021 7:12:53 AM	58972
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	170	9.9		mg/Kg	1	3/24/2021 2:28:09 PM	58926
Motor Oil Range Organics (MRO)	220	49		mg/Kg	1	3/24/2021 2:28:09 PM	58926
Surr: DNOP	106	70-130		%Rec	1	3/24/2021 2:28:09 PM	58926
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	3/25/2021 4:25:00 AM	R76179
Surr: BFB	93.5	75.3-105		%Rec	1	3/25/2021 4:25:00 AM	R76179
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.023		mg/Kg	1	3/25/2021 4:25:00 AM	R76179
Toluene	ND	0.046		mg/Kg	1	3/25/2021 4:25:00 AM	R76179
Ethylbenzene	ND	0.046		mg/Kg	1	3/25/2021 4:25:00 AM	R76179
Xylenes, Total	ND	0.093		mg/Kg	1	3/25/2021 4:25:00 AM	R76179
Surr: 4-Bromofluorobenzene	87.3	80-120		%Rec	1	3/25/2021 4:25:00 AM	R76179

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 **2103B07**
Date Reported: **3/29/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH- S.3/1'
Project: Donahue Federal SWD 1 **Collection Date:** 3/22/2021 2:05:00 PM
Lab ID: 2103B07-023 **Matrix:** MEOH (SOIL) **Received Date:** 3/24/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	2600	150		mg/Kg	50	3/26/2021 7:25:18 AM	58972
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	76	9.7		mg/Kg	1	3/24/2021 2:51:46 PM	58926
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/24/2021 2:51:46 PM	58926
Surr: DNOP	103	70-130		%Rec	1	3/24/2021 2:51:46 PM	58926
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	4.3		mg/Kg	1	3/25/2021 4:45:00 AM	R76179
Surr: BFB	91.2	75.3-105		%Rec	1	3/25/2021 4:45:00 AM	R76179
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.022		mg/Kg	1	3/25/2021 4:45:00 AM	R76179
Toluene	ND	0.043		mg/Kg	1	3/25/2021 4:45:00 AM	R76179
Ethylbenzene	ND	0.043		mg/Kg	1	3/25/2021 4:45:00 AM	R76179
Xylenes, Total	ND	0.086		mg/Kg	1	3/25/2021 4:45:00 AM	R76179
Surr: 4-Bromofluorobenzene	83.7	80-120		%Rec	1	3/25/2021 4:45:00 AM	R76179

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 **2103B07**
Date Reported: **3/29/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH- SE/0'
Project: Donahue Federal SWD 1 **Collection Date:** 3/22/2021 12:52:00 PM
Lab ID: 2103B07-024 **Matrix:** MEOH (SOIL) **Received Date:** 3/24/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	640	60		mg/Kg	20	3/25/2021 3:56:51 PM	58972
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	3/24/2021 3:03:37 PM	58926
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	3/24/2021 3:03:37 PM	58926
Surr: DNOP	93.8	70-130		%Rec	1	3/24/2021 3:03:37 PM	58926
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	4.0		mg/Kg	1	3/25/2021 5:04:00 AM	R76179
Surr: BFB	93.7	75.3-105		%Rec	1	3/25/2021 5:04:00 AM	R76179
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.020		mg/Kg	1	3/25/2021 5:04:00 AM	R76179
Toluene	ND	0.040		mg/Kg	1	3/25/2021 5:04:00 AM	R76179
Ethylbenzene	ND	0.040		mg/Kg	1	3/25/2021 5:04:00 AM	R76179
Xylenes, Total	ND	0.081		mg/Kg	1	3/25/2021 5:04:00 AM	R76179
Surr: 4-Bromofluorobenzene	83.4	80-120		%Rec	1	3/25/2021 5:04:00 AM	R76179

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 **2103B07**
Date Reported: **3/29/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH- SE/1'
Project: Donahue Federal SWD 1 **Collection Date:** 3/22/2021 12:54:00 PM
Lab ID: 2103B07-025 **Matrix:** MEOH (SOIL) **Received Date:** 3/24/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	620	60		mg/Kg	20	3/25/2021 4:34:04 PM	58972
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	3/24/2021 3:15:27 PM	58926
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/24/2021 3:15:27 PM	58926
Surr: DNOP	102	70-130		%Rec	1	3/24/2021 3:15:27 PM	58926
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/25/2021 5:24:00 AM	R76179
Surr: BFB	92.6	75.3-105		%Rec	1	3/25/2021 5:24:00 AM	R76179
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.023		mg/Kg	1	3/25/2021 5:24:00 AM	R76179
Toluene	ND	0.047		mg/Kg	1	3/25/2021 5:24:00 AM	R76179
Ethylbenzene	ND	0.047		mg/Kg	1	3/25/2021 5:24:00 AM	R76179
Xylenes, Total	ND	0.093		mg/Kg	1	3/25/2021 5:24:00 AM	R76179
Surr: 4-Bromofluorobenzene	85.0	80-120		%Rec	1	3/25/2021 5:24:00 AM	R76179

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 **2103B07**
Date Reported: **3/29/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH- NE/0'
Project: Donahue Federal SWD 1 **Collection Date:** 3/22/2021 1:12:00 PM
Lab ID: 2103B07-026 **Matrix:** MEOH (SOIL) **Received Date:** 3/24/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	400	60		mg/Kg	20	3/25/2021 5:11:18 PM	58972
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	3/24/2021 3:27:14 PM	58926
Motor Oil Range Organics (MRO)	65	47		mg/Kg	1	3/24/2021 3:27:14 PM	58926
Surr: DNOP	94.5	70-130		%Rec	1	3/24/2021 3:27:14 PM	58926
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	3.9		mg/Kg	1	3/25/2021 5:43:00 AM	R76179
Surr: BFB	90.0	75.3-105		%Rec	1	3/25/2021 5:43:00 AM	R76179
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.019		mg/Kg	1	3/25/2021 5:43:00 AM	R76179
Toluene	ND	0.039		mg/Kg	1	3/25/2021 5:43:00 AM	R76179
Ethylbenzene	ND	0.039		mg/Kg	1	3/25/2021 5:43:00 AM	R76179
Xylenes, Total	ND	0.078		mg/Kg	1	3/25/2021 5:43:00 AM	R76179
Surr: 4-Bromofluorobenzene	85.1	80-120		%Rec	1	3/25/2021 5:43:00 AM	R76179

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 **2103B07**
Date Reported: **3/29/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH- NE/1'
Project: Donahue Federal SWD 1 **Collection Date:** 3/22/2021 1:15:00 PM
Lab ID: 2103B07-027 **Matrix:** MEOH (SOIL) **Received Date:** 3/24/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	390	60		mg/Kg	20	3/25/2021 5:23:42 PM	58972
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	10	9.0		mg/Kg	1	3/24/2021 3:39:01 PM	58926
Motor Oil Range Organics (MRO)	74	45		mg/Kg	1	3/24/2021 3:39:01 PM	58926
Surr: DNOP	93.0	70-130		%Rec	1	3/24/2021 3:39:01 PM	58926
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	4.5		mg/Kg	1	3/25/2021 6:03:00 AM	R76179
Surr: BFB	89.6	75.3-105		%Rec	1	3/25/2021 6:03:00 AM	R76179
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.023		mg/Kg	1	3/25/2021 6:03:00 AM	R76179
Toluene	ND	0.045		mg/Kg	1	3/25/2021 6:03:00 AM	R76179
Ethylbenzene	ND	0.045		mg/Kg	1	3/25/2021 6:03:00 AM	R76179
Xylenes, Total	ND	0.091		mg/Kg	1	3/25/2021 6:03:00 AM	R76179
Surr: 4-Bromofluorobenzene	83.2	80-120		%Rec	1	3/25/2021 6:03:00 AM	R76179

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 **2103B07**
Date Reported: **3/29/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH- N/0'
Project: Donahue Federal SWD 1 **Collection Date:** 3/22/2021 1:25:00 PM
Lab ID: 2103B07-028 **Matrix:** MEOH (SOIL) **Received Date:** 3/24/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	3/25/2021 10:19:23 PM	58974
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	3/24/2021 3:50:53 PM	58926
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/24/2021 3:50:53 PM	58926
Surr: DNOP	96.7	70-130		%Rec	1	3/24/2021 3:50:53 PM	58926
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	4.5		mg/Kg	1	3/25/2021 6:23:00 AM	R76179
Surr: BFB	92.4	75.3-105		%Rec	1	3/25/2021 6:23:00 AM	R76179
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.023		mg/Kg	1	3/25/2021 6:23:00 AM	R76179
Toluene	ND	0.045		mg/Kg	1	3/25/2021 6:23:00 AM	R76179
Ethylbenzene	ND	0.045		mg/Kg	1	3/25/2021 6:23:00 AM	R76179
Xylenes, Total	ND	0.090		mg/Kg	1	3/25/2021 6:23:00 AM	R76179
Surr: 4-Bromofluorobenzene	85.4	80-120		%Rec	1	3/25/2021 6:23:00 AM	R76179

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 **2103B07**
Date Reported: **3/29/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH- N/1'
Project: Donahue Federal SWD 1 **Collection Date:** 3/22/2021 1:27:00 PM
Lab ID: 2103B07-029 **Matrix:** MEOH (SOIL) **Received Date:** 3/24/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	59		mg/Kg	20	3/25/2021 10:31:48 PM	58974
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	3/24/2021 4:02:13 PM	58926
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	3/24/2021 4:02:13 PM	58926
Surr: DNOP	111	70-130		%Rec	1	3/24/2021 4:02:13 PM	58926
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	6.8		mg/Kg	1	3/25/2021 6:42:00 AM	R76179
Surr: BFB	89.0	75.3-105		%Rec	1	3/25/2021 6:42:00 AM	R76179
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.034		mg/Kg	1	3/25/2021 6:42:00 AM	R76179
Toluene	ND	0.068		mg/Kg	1	3/25/2021 6:42:00 AM	R76179
Ethylbenzene	ND	0.068		mg/Kg	1	3/25/2021 6:42:00 AM	R76179
Xylenes, Total	ND	0.14		mg/Kg	1	3/25/2021 6:42:00 AM	R76179
Surr: 4-Bromofluorobenzene	83.6	80-120		%Rec	1	3/25/2021 6:42:00 AM	R76179

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#: **2103B07**
27-Apr-21

Client: EOG
Project: Donahue Federal SWD 1

Sample ID: **MB-58953** SampType: **mblk** TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS** Batch ID: **58953** RunNo: **76219**
Prep Date: **3/24/2021** Analysis Date: **3/25/2021** SeqNo: **2698463** Units: **mg/Kg**

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

Sample ID: **LCS-58953** SampType: **lcs** TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS** Batch ID: **58953** RunNo: **76219**
Prep Date: **3/24/2021** Analysis Date: **3/25/2021** SeqNo: **2698464** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.2	90	110			

Sample ID: **MB-58972** SampType: **mblk** TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS** Batch ID: **58972** RunNo: **76220**
Prep Date: **3/25/2021** Analysis Date: **3/25/2021** SeqNo: **2699034** Units: **mg/Kg**

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

Sample ID: **LCS-58972** SampType: **lcs** TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS** Batch ID: **58972** RunNo: **76220**
Prep Date: **3/25/2021** Analysis Date: **3/25/2021** SeqNo: **2699035** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.1	90	110			

Sample ID: **MB-58972** SampType: **mblk** TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS** Batch ID: **58972** RunNo: **76206**
Prep Date: **3/25/2021** Analysis Date: **3/25/2021** SeqNo: **2699148** Units: **mg/Kg**

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

Sample ID: **LCS-58972** SampType: **lcs** TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS** Batch ID: **58972** RunNo: **76206**
Prep Date: **3/25/2021** Analysis Date: **3/25/2021** SeqNo: **2699149** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	96.7	90	110			

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2103B07**
27-Apr-21

Client: EOG
Project: Donahue Federal SWD 1

Sample ID: **MB-58974**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **58974**	RunNo: **76206**							
Prep Date: **3/25/2021**	Analysis Date: **3/25/2021**	SeqNo: **2699184**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-58974**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **58974**	RunNo: **76206**							
Prep Date: **3/25/2021**	Analysis Date: **3/25/2021**	SeqNo: **2699185**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.6	90	110			

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2103B07**
27-Apr-21

Client: EOG
Project: Donahue Federal SWD 1

Sample ID: **MB-58925** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS** Batch ID: **58925** RunNo: **76162**
Prep Date: **3/24/2021** Analysis Date: **3/24/2021** SeqNo: **2696657** 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: **LCS-58925** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **58925** RunNo: **76162**
Prep Date: **3/24/2021** Analysis Date: **3/24/2021** SeqNo: **2696755** 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	103	68.9	141			
Surr: DNOP	5.1		5.000		102	70	130			

Sample ID: **MB-58926** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS** Batch ID: **58926** RunNo: **76162**
Prep Date: **3/24/2021** Analysis Date: **3/24/2021** SeqNo: **2696756** 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		101	70	130			

Sample ID: **LCS-58926** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **58926** RunNo: **76162**
Prep Date: **3/24/2021** Analysis Date: **3/24/2021** SeqNo: **2696757** 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	99.5	68.9	141			
Surr: DNOP	4.8		5.000		95.0	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#: **2103B07**

27-Apr-21

Client: EOG

Project: Donahue Federal SWD 1

Sample ID: **mb-58900**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **58900**	RunNo: **76182**
Prep Date: **3/23/2021**	Analysis Date: **3/24/2021**	SeqNo: **2697501** 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		93.8	75.3	105			

Sample ID: **lcs-58900**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **58900**	RunNo: **76182**
Prep Date: **3/23/2021**	Analysis Date: **3/24/2021**	SeqNo: **2697502** 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	92.0	80	120			
Surr: BFB	1000		1000		99.6	75.3	105			

Sample ID: **2.5ug gro lcs**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **R76179**	RunNo: **76179**
Prep Date:	Analysis Date: **3/24/2021**	SeqNo: **2697916** 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	109	80	120			
Surr: BFB	1100		1000		112	75.3	105			S

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#: **2103B07**
27-Apr-21

Client: EOG
Project: Donahue Federal SWD 1

Sample ID: **mb-58900** SampType: **MBLK** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS** Batch ID: **58900** RunNo: **76182**
Prep Date: **3/23/2021** Analysis Date: **3/24/2021** SeqNo: **2697544** 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		102	80	120			

Sample ID: **LCS-58900** SampType: **LCS** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS** Batch ID: **58900** RunNo: **76182**
Prep Date: **3/23/2021** Analysis Date: **3/24/2021** SeqNo: **2697545** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	93.2	80	120			
Toluene	0.96	0.050	1.000	0	96.1	80	120			
Ethylbenzene	0.95	0.050	1.000	0	95.2	80	120			
Xylenes, Total	2.9	0.10	3.000	0	95.2	80	120			
Surr: 4-Bromofluorobenzene	0.99		1.000		98.6	80	120			

Sample ID: **100ng btex lcs** SampType: **LCS** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS** Batch ID: **R76179** RunNo: **76179**
Prep Date: Analysis Date: **3/24/2021** SeqNo: **2698061** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	1.000	0	90.0	80	120			
Toluene	0.91	0.050	1.000	0	90.8	80	120			
Ethylbenzene	0.90	0.050	1.000	0	90.4	80	120			
Xylenes, Total	2.7	0.10	3.000	0	90.0	80	120			
Surr: 4-Bromofluorobenzene	0.91		1.000		91.0	80	120			

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		

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: 2103B07 | RcptNo: 1

Received By: Desiree Dominguez 3/24/2021 8:00:00 AM DD

Completed By: Desiree Dominguez 3/24/2021 9:09:14 AM DD

Reviewed By: JO 3/24/21

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: ENM 3/24/21

Special Handling (if applicable)

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

Person Notified: Date:

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

Regarding:

Client Instructions:

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.8	Good				
2	0.3	Good				

Chain-of-Custody Record

Client: RANGER ENV / EOG ARTESIA

Mailing Address: RANGER - PO BOX 201179 AUSTIN TX 78720
EOG - ~~SAME~~ 105 S 4TH ST, ARTESIA, NM 88210

Phone #: 512-335-1785

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 24 HR

Project Name: DONAHUE FEDERAL SWD #1

Project #: 5375

Project Manager: W. KIERDORF

Sampler: W. KIERDORF
On Ice: ☒ Yes ☐ No
# of Coolers: (2) 2.8-0.0=2.8°C
Cooler Temp (including CF): 0.3-0.0=2.8°+0.3°C
DAD 03/24/21

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. 2103B07	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)
3/22/21	0821	SOIL	TH-1/1'	1 x 4oz JAR	ICE	-001	X	X									X
	0823		~~TH-~~ TH-1/2'			-002	X	X									X
	0830		TH-1/3'			-003	X	X									X
	0850		TH-2/1'			-004	X	X									X
	0852		TH-2/2'			-005	X	X									X
	0907		TH-3/1'			-006	X	X									X
	0910		TH-3/3'			-007	X	X									X
	0934		TH-4/1'			-008	X	X									X
	0936		TH-4/2'			-009	X	X									X
	0952		TH-5/1'			-010	X	X									X
	0954		TH-5/2'			-011	X	X									X
↓	1020	↓	TH-W/0'	↓	↓	-012	X	X									X

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
3/23/21	0753				3/23/21	0800
3/23/21	1900			Courier	3/24/21	8:00

Remarks: PAGE 1 OF 3

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: RANGER ENV / EOG-ARTESIA

Mailing Address: RANGER - PO BO 201179 AUSTIN TX 78720

EOG - 105 S 4TH ST, ARTESIA NM, 88210

Phone #: 512 - 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 24 HR

Project Name: DONAHUE FEDERAL SWD #1

Project #: 5375

Project Manager: W. KIERNOORE

Sampler: W. KIERNOORE

On Ice: ☒ Yes ☐ No

# of Coolers: 2 2.8-0.0=2.8°c

Cooler Temp(including CF): 0.3-0.0=0.3°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. 2103807	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)
3/22/21	1021	SOIL	TH-W/1'	1 x 4oz JAR	ICE	-013	X	X									X
	1042		TH-NW/1'			-014	X	X									X
	1046		TH-NW/3'			-015	X	X									X
	1059		TH-SW/1'			-016	X	X									X
	1102		TH-SW/3'			-017	X	X									X
	1124		TH-S/1'			-018	X	X									X
	1130		TH-S/3'			-019	X	X									X
	1142		TH-S.2/1'			-020	X	X									X
	1344		TH-S.2/2'			-021	X	X									X
	1402		TH-S.3/0'			-022	X	X									X
	1405		TH-S.3/1'			-023	X	X									X
	1252		TH-SE/0'			-024	X	X									X

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
3/23/21	0753				3/23/21	0800
3/23/21	1900			courier	3/24/21	8:00

Remarks: PAGE 2 OF 3

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: RANGER ENV/EOG ARTESIA

Mailing Address: RANGER - PO BOX 201179 AUSTIN TX 78720

EOG - 105 S 4TH STR ARTESIA NM 88210

Phone #: 512-335-1785

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 24 HR

Project Name: DONAHUE FEDERAL SWD #1

Project #: 5375

Project Manager: W. KIERDORF

Sampler: W. KIERDORF

On Ice: ☒ Yes ☐ No

# of Coolers: 2 2.8-0.0=2.8°c

Cooler Temp(including CF): 0.3-0.0=0.3°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. 2103B07	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)
3/22/21	1254	SOIL	TH-SE/1'	1 x 4oz JAR	ICE	-025	X	X									X
	1312		TH-NE/0'			-026	X	X									X
	1315		TH-NE/1'			-027	X	X									X
	1325		TH-N/0'			-028	X	X									X
	1327		TH-N/1'			-029	X	X									X

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
3/23/21	0753					
					3/23/21	0800
3/23/21	1900			Courier	3/24/21	8:00

Remarks: PAGE 3 of 3

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

April 20, 2021

Will Kierdorf
EOG
105 South Fourth Street
Artesia, NM 88210
TEL: (575) 748-4195
FAX:

RE: Donahue Federal SWD 1 OrderNo.: 2104685

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 28 sample(s) on 4/15/2021 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued April 19, 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.

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2104685**
Date Reported: **4/20/2021**

CLIENT: EOG **Client Sample ID:** TH-4/2.25'
Project: Donahue Federal SWD 1 **Collection Date:** 4/13/2021 8:24:00 AM
Lab ID: 2104685-001 **Matrix:** MEOH (SOIL) **Received Date:** 4/15/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	240	60		mg/Kg	20	4/15/2021 1:36:19 PM	59432
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	32	9.1		mg/Kg	1	4/15/2021 12:52:53 PM	59426
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	4/15/2021 12:52:53 PM	59426
Surr: DNOP	87.8	70-130		%Rec	1	4/15/2021 12:52:53 PM	59426
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	3.5		mg/Kg	1	4/15/2021 12:24:00 PM	R76692
Surr: BFB	92.2	70-130		%Rec	1	4/15/2021 12:24:00 PM	R76692
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.018		mg/Kg	1	4/15/2021 12:24:00 PM	BS76692
Toluene	ND	0.035		mg/Kg	1	4/15/2021 12:24:00 PM	BS76692
Ethylbenzene	ND	0.035		mg/Kg	1	4/15/2021 12:24:00 PM	BS76692
Xylenes, Total	ND	0.070		mg/Kg	1	4/15/2021 12:24:00 PM	BS76692
Surr: 4-Bromofluorobenzene	80.8	70-130		%Rec	1	4/15/2021 12:24:00 PM	BS76692

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 **2104685**
Date Reported: **4/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH-5/3'
Project: Donahue Federal SWD 1 **Collection Date:** 4/13/2021 8:49:00 AM
Lab ID: 2104685-002 **Matrix:** MEOH (SOIL) **Received Date:** 4/15/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	120	61		mg/Kg	20	4/15/2021 1:48:44 PM	59432
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	160	9.1		mg/Kg	1	4/15/2021 1:02:48 PM	59426
Motor Oil Range Organics (MRO)	190	45		mg/Kg	1	4/15/2021 1:02:48 PM	59426
Surr: DNOP	98.3	70-130		%Rec	1	4/15/2021 1:02:48 PM	59426
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	14		mg/Kg	5	4/15/2021 12:44:00 PM	R76692
Surr: BFB	96.9	70-130		%Rec	5	4/15/2021 12:44:00 PM	R76692
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.072		mg/Kg	5	4/15/2021 12:44:00 PM	BS76692
Toluene	ND	0.14		mg/Kg	5	4/15/2021 12:44:00 PM	BS76692
Ethylbenzene	ND	0.14		mg/Kg	5	4/15/2021 12:44:00 PM	BS76692
Xylenes, Total	ND	0.29		mg/Kg	5	4/15/2021 12:44:00 PM	BS76692
Surr: 4-Bromofluorobenzene	85.4	70-130		%Rec	5	4/15/2021 12:44:00 PM	BS76692

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 **2104685**
Date Reported: **4/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH-2/3.25'
Project: Donahue Federal SWD 1 **Collection Date:** 4/13/2021 9:17:00 AM
Lab ID: 2104685-003 **Matrix:** MEOH (SOIL) **Received Date:** 4/15/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	64	60		mg/Kg	20	4/15/2021 2:01:09 PM	59432
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	ND	8.5		mg/Kg	1	4/15/2021 1:32:22 PM	59426
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	4/15/2021 1:32:22 PM	59426
Surr: DNOP	86.0	70-130		%Rec	1	4/15/2021 1:32:22 PM	59426
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	13		mg/Kg	5	4/15/2021 1:04:00 PM	R76692
Surr: BFB	104	70-130		%Rec	5	4/15/2021 1:04:00 PM	R76692
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.067		mg/Kg	5	4/15/2021 1:04:00 PM	BS76692
Toluene	ND	0.13		mg/Kg	5	4/15/2021 1:04:00 PM	BS76692
Ethylbenzene	ND	0.13		mg/Kg	5	4/15/2021 1:04:00 PM	BS76692
Xylenes, Total	ND	0.27		mg/Kg	5	4/15/2021 1:04:00 PM	BS76692
Surr: 4-Bromofluorobenzene	89.7	70-130		%Rec	5	4/15/2021 1:04:00 PM	BS76692

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 **2104685**
Date Reported: **4/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH-1/3.25'
Project: Donahue Federal SWD 1 **Collection Date:** 4/13/2021 9:30:00 AM
Lab ID: 2104685-004 **Matrix:** MEOH (SOIL) **Received Date:** 4/15/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	63	60		mg/Kg	20	4/15/2021 2:13:33 PM	59432
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	4/15/2021 1:42:17 PM	59426
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/15/2021 1:42:17 PM	59426
Surr: DNOP	85.7	70-130		%Rec	1	4/15/2021 1:42:17 PM	59426
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	2.8		mg/Kg	1	4/15/2021 1:24:00 PM	R76692
Surr: BFB	92.3	70-130		%Rec	1	4/15/2021 1:24:00 PM	R76692
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.014		mg/Kg	1	4/15/2021 1:24:00 PM	BS76692
Toluene	ND	0.028		mg/Kg	1	4/15/2021 1:24:00 PM	BS76692
Ethylbenzene	ND	0.028		mg/Kg	1	4/15/2021 1:24:00 PM	BS76692
Xylenes, Total	ND	0.057		mg/Kg	1	4/15/2021 1:24:00 PM	BS76692
Surr: 4-Bromofluorobenzene	79.5	70-130		%Rec	1	4/15/2021 1:24:00 PM	BS76692

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 **2104685**
Date Reported: **4/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH-6/4'
Project: Donahue Federal SWD 1 **Collection Date:** 4/13/2021 9:50:00 AM
Lab ID: 2104685-005 **Matrix:** MEOH (SOIL) **Received Date:** 4/15/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	350	60		mg/Kg	20	4/15/2021 2:25:57 PM	59432
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	380	9.6		mg/Kg	1	4/16/2021 10:06:51 AM	59426
Motor Oil Range Organics (MRO)	830	48		mg/Kg	1	4/16/2021 10:06:51 AM	59426
Surr: DNOP	96.0	70-130		%Rec	1	4/16/2021 10:06:51 AM	59426
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	5.5		mg/Kg	1	4/15/2021 1:44:00 PM	R76692
Surr: BFB	90.1	70-130		%Rec	1	4/15/2021 1:44:00 PM	R76692
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.028		mg/Kg	1	4/15/2021 1:44:00 PM	BS76692
Toluene	ND	0.055		mg/Kg	1	4/15/2021 1:44:00 PM	BS76692
Ethylbenzene	ND	0.055		mg/Kg	1	4/15/2021 1:44:00 PM	BS76692
Xylenes, Total	ND	0.11		mg/Kg	1	4/15/2021 1:44:00 PM	BS76692
Surr: 4-Bromofluorobenzene	78.6	70-130		%Rec	1	4/15/2021 1:44:00 PM	BS76692

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		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2104685**
Date Reported: **4/20/2021**

CLIENT: EOG **Client Sample ID:** TH-S.4/0'
Project: Donahue Federal SWD 1 **Collection Date:** 4/13/2021 10:34:00 AM
Lab ID: 2104685-006 **Matrix:** MEOH (SOIL) **Received Date:** 4/15/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	4800	150		mg/Kg	50	4/16/2021 8:08:30 AM	59432
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	130	9.4		mg/Kg	1	4/15/2021 2:20:54 PM	59426
Motor Oil Range Organics (MRO)	230	47		mg/Kg	1	4/15/2021 2:20:54 PM	59426
Surr: DNOP	109	70-130		%Rec	1	4/15/2021 2:20:54 PM	59426
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	19		mg/Kg	5	4/15/2021 2:04:00 PM	R76692
Surr: BFB	96.8	70-130		%Rec	5	4/15/2021 2:04:00 PM	R76692
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.094		mg/Kg	5	4/15/2021 2:04:00 PM	BS76692
Toluene	ND	0.19		mg/Kg	5	4/15/2021 2:04:00 PM	BS76692
Ethylbenzene	ND	0.19		mg/Kg	5	4/15/2021 2:04:00 PM	BS76692
Xylenes, Total	ND	0.38		mg/Kg	5	4/15/2021 2:04:00 PM	BS76692
Surr: 4-Bromofluorobenzene	85.1	70-130		%Rec	5	4/15/2021 2:04:00 PM	BS76692

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 **2104685**
Date Reported: **4/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH-S.4/1'
Project: Donahue Federal SWD 1 **Collection Date:** 4/13/2021 10:36:00 AM
Lab ID: 2104685-007 **Matrix:** MEOH (SOIL) **Received Date:** 4/15/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	150	60		mg/Kg	20	4/15/2021 2:50:46 PM	59432
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	ND	8.7		mg/Kg	1	4/15/2021 1:52:05 PM	59426
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	4/15/2021 1:52:05 PM	59426
Surr: DNOP	91.6	70-130		%Rec	1	4/15/2021 1:52:05 PM	59426
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	3.1		mg/Kg	1	4/15/2021 2:24:00 PM	R76692
Surr: BFB	90.8	70-130		%Rec	1	4/15/2021 2:24:00 PM	R76692
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.016		mg/Kg	1	4/15/2021 2:24:00 PM	BS76692
Toluene	ND	0.031		mg/Kg	1	4/15/2021 2:24:00 PM	BS76692
Ethylbenzene	ND	0.031		mg/Kg	1	4/15/2021 2:24:00 PM	BS76692
Xylenes, Total	ND	0.062		mg/Kg	1	4/15/2021 2:24:00 PM	BS76692
Surr: 4-Bromofluorobenzene	80.2	70-130		%Rec	1	4/15/2021 2:24:00 PM	BS76692

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 **2104685**
Date Reported: **4/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH-S.6/0'
Project: Donahue Federal SWD 1 **Collection Date:** 4/13/2021 1:43:00 PM
Lab ID: 2104685-008 **Matrix:** MEOH (SOIL) **Received Date:** 4/15/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	ND	60		mg/Kg	20	4/15/2021 3:28:01 PM	59432
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	14	9.3		mg/Kg	1	4/15/2021 2:40:21 PM	59426
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	4/15/2021 2:40:21 PM	59426
Surr: DNOP	120	70-130		%Rec	1	4/15/2021 2:40:21 PM	59426
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	4.1		mg/Kg	1	4/15/2021 2:44:00 PM	R76692
Surr: BFB	91.0	70-130		%Rec	1	4/15/2021 2:44:00 PM	R76692
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.021		mg/Kg	1	4/15/2021 2:44:00 PM	BS76692
Toluene	ND	0.041		mg/Kg	1	4/15/2021 2:44:00 PM	BS76692
Ethylbenzene	ND	0.041		mg/Kg	1	4/15/2021 2:44:00 PM	BS76692
Xylenes, Total	ND	0.083		mg/Kg	1	4/15/2021 2:44:00 PM	BS76692
Surr: 4-Bromofluorobenzene	78.4	70-130		%Rec	1	4/15/2021 2:44:00 PM	BS76692

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 **2104685**
Date Reported: **4/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH-S.6/1'
Project: Donahue Federal SWD 1 **Collection Date:** 4/13/2021 1:45:00 PM
Lab ID: 2104685-009 **Matrix:** MEOH (SOIL) **Received Date:** 4/15/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	ND	59		mg/Kg	20	4/15/2021 3:40:26 PM	59432
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	4/16/2021 9:38:23 AM	59426
Motor Oil Range Organics (MRO)	130	49		mg/Kg	1	4/16/2021 9:38:23 AM	59426
Surr: DNOP	88.2	70-130		%Rec	1	4/16/2021 9:38:23 AM	59426
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	4.0		mg/Kg	1	4/15/2021 3:03:00 PM	R76692
Surr: BFB	93.2	70-130		%Rec	1	4/15/2021 3:03:00 PM	R76692
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.020		mg/Kg	1	4/15/2021 3:03:00 PM	BS76692
Toluene	ND	0.040		mg/Kg	1	4/15/2021 3:03:00 PM	BS76692
Ethylbenzene	ND	0.040		mg/Kg	1	4/15/2021 3:03:00 PM	BS76692
Xylenes, Total	ND	0.081		mg/Kg	1	4/15/2021 3:03:00 PM	BS76692
Surr: 4-Bromofluorobenzene	79.7	70-130		%Rec	1	4/15/2021 3:03:00 PM	BS76692

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 **2104685**
Date Reported: **4/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH-SE.2/1'
Project: Donahue Federal SWD 1 **Collection Date:** 4/13/2021 11:17:00 AM
Lab ID: 2104685-010 **Matrix:** MEOH (SOIL) **Received Date:** 4/15/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	400	61		mg/Kg	20	4/15/2021 3:52:50 PM	59432
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	16	9.7		mg/Kg	1	4/15/2021 2:59:46 PM	59426
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/15/2021 2:59:46 PM	59426
Surr: DNOP	90.9	70-130		%Rec	1	4/15/2021 2:59:46 PM	59426
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	4.2		mg/Kg	1	4/15/2021 3:23:00 PM	R76692
Surr: BFB	101	70-130		%Rec	1	4/15/2021 3:23:00 PM	R76692
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.021		mg/Kg	1	4/15/2021 3:23:00 PM	BS76692
Toluene	ND	0.042		mg/Kg	1	4/15/2021 3:23:00 PM	BS76692
Ethylbenzene	ND	0.042		mg/Kg	1	4/15/2021 3:23:00 PM	BS76692
Xylenes, Total	ND	0.083		mg/Kg	1	4/15/2021 3:23:00 PM	BS76692
Surr: 4-Bromofluorobenzene	81.8	70-130		%Rec	1	4/15/2021 3:23:00 PM	BS76692

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 **2104685**
Date Reported: **4/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH-SE.4/0.75
Project: Donahue Federal SWD 1 **Collection Date:** 4/13/2021 1:21:00 PM
Lab ID: 2104685-011 **Matrix:** MEOH (SOIL) **Received Date:** 4/15/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	1900	60		mg/Kg	20	4/15/2021 4:05:14 PM	59432
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	71	9.1		mg/Kg	1	4/16/2021 8:50:33 AM	59426
Motor Oil Range Organics (MRO)	230	45		mg/Kg	1	4/16/2021 8:50:33 AM	59426
Surr: DNOP	92.1	70-130		%Rec	1	4/16/2021 8:50:33 AM	59426
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	3.6		mg/Kg	1	4/15/2021 4:43:00 PM	R76692
Surr: BFB	94.9	70-130		%Rec	1	4/15/2021 4:43:00 PM	R76692
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.018		mg/Kg	1	4/15/2021 4:43:00 PM	BS76692
Toluene	ND	0.036		mg/Kg	1	4/15/2021 4:43:00 PM	BS76692
Ethylbenzene	ND	0.036		mg/Kg	1	4/15/2021 4:43:00 PM	BS76692
Xylenes, Total	ND	0.071		mg/Kg	1	4/15/2021 4:43:00 PM	BS76692
Surr: 4-Bromofluorobenzene	80.0	70-130		%Rec	1	4/15/2021 4:43:00 PM	BS76692

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 **2104685**
Date Reported: **4/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH-SE.5/0'
Project: Donahue Federal SWD 1 **Collection Date:** 4/13/2021 1:15:00 PM
Lab ID: 2104685-012 **Matrix:** MEOH (SOIL) **Received Date:** 4/15/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	1100	61		mg/Kg	20	4/15/2021 4:17:39 PM	59432
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	130	9.9		mg/Kg	1	4/16/2021 10:26:39 AM	59426
Motor Oil Range Organics (MRO)	420	50		mg/Kg	1	4/16/2021 10:26:39 AM	59426
Surr: DNOP	90.8	70-130		%Rec	1	4/16/2021 10:26:39 AM	59426
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	5.2		mg/Kg	1	4/15/2021 5:03:00 PM	R76692
Surr: BFB	91.3	70-130		%Rec	1	4/15/2021 5:03:00 PM	R76692
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.026		mg/Kg	1	4/15/2021 5:03:00 PM	BS76692
Toluene	ND	0.052		mg/Kg	1	4/15/2021 5:03:00 PM	BS76692
Ethylbenzene	ND	0.052		mg/Kg	1	4/15/2021 5:03:00 PM	BS76692
Xylenes, Total	ND	0.10		mg/Kg	1	4/15/2021 5:03:00 PM	BS76692
Surr: 4-Bromofluorobenzene	78.3	70-130		%Rec	1	4/15/2021 5:03:00 PM	BS76692

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 **2104685**
Date Reported: **4/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH-SW.2/0'
Project: Donahue Federal SWD 1 **Collection Date:** 4/13/2021 2:10:00 PM
Lab ID: 2104685-013 **Matrix:** MEOH (SOIL) **Received Date:** 4/15/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**VP**
Chloride	7600	300		mg/Kg	100	4/16/2021 8:20:54 AM	59432
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**mb**
Diesel Range Organics (DRO)	380	91		mg/Kg	10	4/15/2021 7:04:36 PM	59426
Motor Oil Range Organics (MRO)	770	450		mg/Kg	10	4/15/2021 7:04:36 PM	59426
Surr: DNOP	0	70-130	S	%Rec	10	4/15/2021 7:04:36 PM	59426
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**CCM**
Gasoline Range Organics (GRO)	ND	2.9		mg/Kg	1	4/15/2021 5:22:00 PM	R76692
Surr: BFB	92.1	70-130		%Rec	1	4/15/2021 5:22:00 PM	R76692
EPA METHOD 8021B: VOLATILES						Analyst:	**CCM**
Benzene	ND	0.014		mg/Kg	1	4/15/2021 5:22:00 PM	BS76692
Toluene	ND	0.029		mg/Kg	1	4/15/2021 5:22:00 PM	BS76692
Ethylbenzene	ND	0.029		mg/Kg	1	4/15/2021 5:22:00 PM	BS76692
Xylenes, Total	ND	0.057		mg/Kg	1	4/15/2021 5:22:00 PM	BS76692
Surr: 4-Bromofluorobenzene	78.4	70-130		%Rec	1	4/15/2021 5:22:00 PM	BS76692

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 **2104685**
Date Reported: **4/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH-SW.2/2'
Project: Donahue Federal SWD 1 **Collection Date:** 4/13/2021 2:13:00 PM
Lab ID: 2104685-014 **Matrix:** MEOH (SOIL) **Received Date:** 4/15/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	320	60		mg/Kg	20	4/15/2021 4:42:29 PM	59432
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	39	9.9		mg/Kg	1	4/15/2021 3:09:33 PM	59426
Motor Oil Range Organics (MRO)	50	49		mg/Kg	1	4/15/2021 3:09:33 PM	59426
Surr: DNOP	104	70-130		%Rec	1	4/15/2021 3:09:33 PM	59426
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	3.4		mg/Kg	1	4/15/2021 5:42:00 PM	R76692
Surr: BFB	90.4	70-130		%Rec	1	4/15/2021 5:42:00 PM	R76692
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.017		mg/Kg	1	4/15/2021 5:42:00 PM	BS76692
Toluene	ND	0.034		mg/Kg	1	4/15/2021 5:42:00 PM	BS76692
Ethylbenzene	ND	0.034		mg/Kg	1	4/15/2021 5:42:00 PM	BS76692
Xylenes, Total	ND	0.067		mg/Kg	1	4/15/2021 5:42:00 PM	BS76692
Surr: 4-Bromofluorobenzene	77.5	70-130		%Rec	1	4/15/2021 5:42:00 PM	BS76692

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 **2104685**
Date Reported: **4/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH-SW.6/1'
Project: Donahue Federal SWD 1 **Collection Date:** 4/13/2021 3:40:00 PM
Lab ID: 2104685-015 **Matrix:** MEOH (SOIL) **Received Date:** 4/15/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	ND	60		mg/Kg	20	4/15/2021 4:54:54 PM	59432
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	4/15/2021 3:19:16 PM	59426
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	4/15/2021 3:19:16 PM	59426
Surr: DNOP	101	70-130		%Rec	1	4/15/2021 3:19:16 PM	59426
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	2.7		mg/Kg	1	4/15/2021 6:02:00 PM	R76692
Surr: BFB	91.4	70-130		%Rec	1	4/15/2021 6:02:00 PM	R76692
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.013		mg/Kg	1	4/15/2021 6:02:00 PM	BS76692
Toluene	ND	0.027		mg/Kg	1	4/15/2021 6:02:00 PM	BS76692
Ethylbenzene	ND	0.027		mg/Kg	1	4/15/2021 6:02:00 PM	BS76692
Xylenes, Total	ND	0.054		mg/Kg	1	4/15/2021 6:02:00 PM	BS76692
Surr: 4-Bromofluorobenzene	81.1	70-130		%Rec	1	4/15/2021 6:02:00 PM	BS76692

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 **2104685**
Date Reported: **4/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH-SW.8/0'
Project: Donahue Federal SWD 1 **Collection Date:** 4/13/2021 1:52:00 PM
Lab ID: 2104685-016 **Matrix:** MEOH (SOIL) **Received Date:** 4/15/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	510	60		mg/Kg	20	4/15/2021 5:07:18 PM	59432
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	33	9.3		mg/Kg	1	4/15/2021 3:38:46 PM	59426
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	4/15/2021 3:38:46 PM	59426
Surr: DNOP	88.4	70-130		%Rec	1	4/15/2021 3:38:46 PM	59426
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	3.7		mg/Kg	1	4/15/2021 6:22:00 PM	R76692
Surr: BFB	94.6	70-130		%Rec	1	4/15/2021 6:22:00 PM	R76692
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.018		mg/Kg	1	4/15/2021 6:22:00 PM	BS76692
Toluene	ND	0.037		mg/Kg	1	4/15/2021 6:22:00 PM	BS76692
Ethylbenzene	ND	0.037		mg/Kg	1	4/15/2021 6:22:00 PM	BS76692
Xylenes, Total	ND	0.073		mg/Kg	1	4/15/2021 6:22:00 PM	BS76692
Surr: 4-Bromofluorobenzene	81.2	70-130		%Rec	1	4/15/2021 6:22:00 PM	BS76692

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 **2104685**
Date Reported: **4/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH-SW.9/0'
Project: Donahue Federal SWD 1 **Collection Date:** 4/13/2021 1:57:00 PM
Lab ID: 2104685-017 **Matrix:** MEOH (SOIL) **Received Date:** 4/15/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	ND	60		mg/Kg	20	4/15/2021 5:19:42 PM	59432
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	4/15/2021 3:29:03 PM	59426
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/15/2021 3:29:03 PM	59426
Surr: DNOP	95.0	70-130		%Rec	1	4/15/2021 3:29:03 PM	59426
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	4.5		mg/Kg	1	4/15/2021 6:42:00 PM	R76692
Surr: BFB	91.3	70-130		%Rec	1	4/15/2021 6:42:00 PM	R76692
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.023		mg/Kg	1	4/15/2021 6:42:00 PM	BS76692
Toluene	ND	0.045		mg/Kg	1	4/15/2021 6:42:00 PM	BS76692
Ethylbenzene	ND	0.045		mg/Kg	1	4/15/2021 6:42:00 PM	BS76692
Xylenes, Total	ND	0.091		mg/Kg	1	4/15/2021 6:42:00 PM	BS76692
Surr: 4-Bromofluorobenzene	79.9	70-130		%Rec	1	4/15/2021 6:42:00 PM	BS76692

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 **2104685**
Date Reported: **4/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH-SSW/0'
Project: Donahue Federal SWD 1 **Collection Date:** 4/13/2021 4:15:00 PM
Lab ID: 2104685-018 **Matrix:** MEOH (SOIL) **Received Date:** 4/15/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	1200	60		mg/Kg	20	4/15/2021 5:56:55 PM	59432
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	270	9.9		mg/Kg	1	4/15/2021 3:48:30 PM	59426
Motor Oil Range Organics (MRO)	520	49		mg/Kg	1	4/15/2021 3:48:30 PM	59426
Surr: DNOP	110	70-130		%Rec	1	4/15/2021 3:48:30 PM	59426
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	18		mg/Kg	5	4/15/2021 7:01:00 PM	R76692
Surr: BFB	101	70-130		%Rec	5	4/15/2021 7:01:00 PM	R76692
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.090		mg/Kg	5	4/15/2021 7:01:00 PM	BS76692
Toluene	ND	0.18		mg/Kg	5	4/15/2021 7:01:00 PM	BS76692
Ethylbenzene	ND	0.18		mg/Kg	5	4/15/2021 7:01:00 PM	BS76692
Xylenes, Total	ND	0.36		mg/Kg	5	4/15/2021 7:01:00 PM	BS76692
Surr: 4-Bromofluorobenzene	84.3	70-130		%Rec	5	4/15/2021 7:01:00 PM	BS76692

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 **2104685**
Date Reported: **4/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH-SSW/1'
Project: Donahue Federal SWD 1 **Collection Date:** 4/13/2021 4:21:00 PM
Lab ID: 2104685-019 **Matrix:** MEOH (SOIL) **Received Date:** 4/15/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	160	60		mg/Kg	20	4/15/2021 6:09:20 PM	59432
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	14	9.8		mg/Kg	1	4/15/2021 4:07:50 PM	59426
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/15/2021 4:07:50 PM	59426
Surr: DNOP	97.9	70-130		%Rec	1	4/15/2021 4:07:50 PM	59426
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	3.1		mg/Kg	1	4/15/2021 7:21:00 PM	R76692
Surr: BFB	94.2	70-130		%Rec	1	4/15/2021 7:21:00 PM	R76692
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.016		mg/Kg	1	4/15/2021 7:21:00 PM	BS76692
Toluene	ND	0.031		mg/Kg	1	4/15/2021 7:21:00 PM	BS76692
Ethylbenzene	ND	0.031		mg/Kg	1	4/15/2021 7:21:00 PM	BS76692
Xylenes, Total	ND	0.062		mg/Kg	1	4/15/2021 7:21:00 PM	BS76692
Surr: 4-Bromofluorobenzene	82.1	70-130		%Rec	1	4/15/2021 7:21:00 PM	BS76692

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 **2104685**
Date Reported: **4/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH-SSW.2/0'
Project: Donahue Federal SWD 1 **Collection Date:** 4/13/2021 4:19:00 PM
Lab ID: 2104685-020 **Matrix:** MEOH (SOIL) **Received Date:** 4/15/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**VP**
Chloride	160	59		mg/Kg	20	4/15/2021 6:46:35 PM	59432
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**mb**
Diesel Range Organics (DRO)	11	8.7		mg/Kg	1	4/15/2021 4:17:32 PM	59426
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	4/15/2021 4:17:32 PM	59426
Surr: DNOP	102	70-130		%Rec	1	4/15/2021 4:17:32 PM	59426
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**CCM**
Gasoline Range Organics (GRO)	ND	3.4		mg/Kg	1	4/15/2021 7:41:00 PM	R76692
Surr: BFB	96.8	70-130		%Rec	1	4/15/2021 7:41:00 PM	R76692
EPA METHOD 8021B: VOLATILES						Analyst:	**CCM**
Benzene	ND	0.017		mg/Kg	1	4/15/2021 7:41:00 PM	BS76692
Toluene	ND	0.034		mg/Kg	1	4/15/2021 7:41:00 PM	BS76692
Ethylbenzene	ND	0.034		mg/Kg	1	4/15/2021 7:41:00 PM	BS76692
Xylenes, Total	ND	0.069		mg/Kg	1	4/15/2021 7:41:00 PM	BS76692
Surr: 4-Bromofluorobenzene	83.4	70-130		%Rec	1	4/15/2021 7:41:00 PM	BS76692

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 **2104685**
Date Reported: **4/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH-SSW.4/0'
Project: Donahue Federal SWD 1 **Collection Date:** 4/13/2021 4:35:00 PM
Lab ID: 2104685-021 **Matrix:** MEOH (SOIL) **Received Date:** 4/15/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	70	61		mg/Kg	20	4/15/2021 8:13:28 PM	59441
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	4/15/2021 4:46:45 PM	59427
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	4/15/2021 4:46:45 PM	59427
Surr: DNOP	107	70-130		%Rec	1	4/15/2021 4:46:45 PM	59427
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	3.6		mg/Kg	1	4/15/2021 10:00:00 PM	G76692
Surr: BFB	94.7	70-130		%Rec	1	4/15/2021 10:00:00 PM	G76692
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.018		mg/Kg	1	4/15/2021 10:00:00 PM	B76692
Toluene	ND	0.036		mg/Kg	1	4/15/2021 10:00:00 PM	B76692
Ethylbenzene	ND	0.036		mg/Kg	1	4/15/2021 10:00:00 PM	B76692
Xylenes, Total	ND	0.072		mg/Kg	1	4/15/2021 10:00:00 PM	B76692
Surr: 4-Bromofluorobenzene	83.0	70-130		%Rec	1	4/15/2021 10:00:00 PM	B76692

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 **2104685**
Date Reported: **4/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH-SSW.5/0'
Project: Donahue Federal SWD 1 **Collection Date:** 4/13/2021 4:43:00 PM
Lab ID: 2104685-022 **Matrix:** MEOH (SOIL) **Received Date:** 4/15/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	1000	60		mg/Kg	20	4/15/2021 8:25:53 PM	59441
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	4/15/2021 7:24:29 PM	59427
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	4/15/2021 7:24:29 PM	59427
Surr: DNOP	102	70-130		%Rec	1	4/15/2021 7:24:29 PM	59427
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	4.0		mg/Kg	1	4/15/2021 10:20:00 PM	G76692
Surr: BFB	98.1	70-130		%Rec	1	4/15/2021 10:20:00 PM	G76692
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.020		mg/Kg	1	4/15/2021 10:20:00 PM	B76692
Toluene	ND	0.040		mg/Kg	1	4/15/2021 10:20:00 PM	B76692
Ethylbenzene	ND	0.040		mg/Kg	1	4/15/2021 10:20:00 PM	B76692
Xylenes, Total	ND	0.080		mg/Kg	1	4/15/2021 10:20:00 PM	B76692
Surr: 4-Bromofluorobenzene	84.5	70-130		%Rec	1	4/15/2021 10:20:00 PM	B76692

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 **2104685**
Date Reported: **4/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH-SSW.6/0'
Project: Donahue Federal SWD 1 **Collection Date:** 4/13/2021 4:50:00 PM
Lab ID: 2104685-023 **Matrix:** MEOH (SOIL) **Received Date:** 4/15/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**VP**
Chloride	260	60		mg/Kg	20	4/15/2021 8:38:18 PM	59441
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**mb**
Diesel Range Organics (DRO)	ND	8.6		mg/Kg	1	4/15/2021 4:56:33 PM	59427
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	4/15/2021 4:56:33 PM	59427
Surr: DNOP	91.3	70-130		%Rec	1	4/15/2021 4:56:33 PM	59427
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**CCM**
Gasoline Range Organics (GRO)	ND	4.3		mg/Kg	1	4/15/2021 10:40:00 PM	G76692
Surr: BFB	96.6	70-130		%Rec	1	4/15/2021 10:40:00 PM	G76692
EPA METHOD 8021B: VOLATILES						Analyst:	**CCM**
Benzene	ND	0.021		mg/Kg	1	4/15/2021 10:40:00 PM	B76692
Toluene	ND	0.043		mg/Kg	1	4/15/2021 10:40:00 PM	B76692
Ethylbenzene	ND	0.043		mg/Kg	1	4/15/2021 10:40:00 PM	B76692
Xylenes, Total	ND	0.085		mg/Kg	1	4/15/2021 10:40:00 PM	B76692
Surr: 4-Bromofluorobenzene	83.8	70-130		%Rec	1	4/15/2021 10:40:00 PM	B76692

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 **2104685**
Date Reported: **4/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** OP-1
Project: Donahue Federal SWD 1 **Collection Date:** 4/13/2021 11:20:00 AM
Lab ID: 2104685-024 **Matrix:** MEOH (SOIL) **Received Date:** 4/15/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**VP**
Chloride	63	60		mg/Kg	20	4/15/2021 8:50:43 PM	59441
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**mb**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	4/15/2021 7:34:26 PM	59427
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	4/15/2021 7:34:26 PM	59427
Surr: DNOP	97.0	70-130		%Rec	1	4/15/2021 7:34:26 PM	59427
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**CCM**
Gasoline Range Organics (GRO)	ND	3.7		mg/Kg	1	4/15/2021 11:00:00 PM	G76692
Surr: BFB	97.5	70-130		%Rec	1	4/15/2021 11:00:00 PM	G76692
EPA METHOD 8021B: VOLATILES						Analyst:	**CCM**
Benzene	ND	0.019		mg/Kg	1	4/15/2021 11:00:00 PM	B76692
Toluene	ND	0.037		mg/Kg	1	4/15/2021 11:00:00 PM	B76692
Ethylbenzene	ND	0.037		mg/Kg	1	4/15/2021 11:00:00 PM	B76692
Xylenes, Total	ND	0.075		mg/Kg	1	4/15/2021 11:00:00 PM	B76692
Surr: 4-Bromofluorobenzene	83.0	70-130		%Rec	1	4/15/2021 11:00:00 PM	B76692

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 **2104685**
Date Reported: **4/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** OP-2
Project: Donahue Federal SWD 1 **Collection Date:** 4/13/2021 12:48:00 PM
Lab ID: 2104685-025 **Matrix:** MEOH (SOIL) **Received Date:** 4/15/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**VP**
Chloride	370	60		mg/Kg	20	4/15/2021 9:03:08 PM	59441
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**mb**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	4/15/2021 7:44:24 PM	59427
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/15/2021 7:44:24 PM	59427
Surr: DNOP	121	70-130		%Rec	1	4/15/2021 7:44:24 PM	59427
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**CCM**
Gasoline Range Organics (GRO)	ND	4.0		mg/Kg	1	4/15/2021 11:20:00 PM	G76692
Surr: BFB	94.2	70-130		%Rec	1	4/15/2021 11:20:00 PM	G76692
EPA METHOD 8021B: VOLATILES						Analyst:	**CCM**
Benzene	ND	0.020		mg/Kg	1	4/15/2021 11:20:00 PM	B76692
Toluene	ND	0.040		mg/Kg	1	4/15/2021 11:20:00 PM	B76692
Ethylbenzene	ND	0.040		mg/Kg	1	4/15/2021 11:20:00 PM	B76692
Xylenes, Total	ND	0.079		mg/Kg	1	4/15/2021 11:20:00 PM	B76692
Surr: 4-Bromofluorobenzene	81.6	70-130		%Rec	1	4/15/2021 11:20:00 PM	B76692

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 **2104685**
Date Reported: **4/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** OP-3
Project: Donahue Federal SWD 1 **Collection Date:** 4/13/2021 12:50:00 PM
Lab ID: 2104685-026 **Matrix:** MEOH (SOIL) **Received Date:** 4/15/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**VP**
Chloride	610	60		mg/Kg	20	4/15/2021 9:15:32 PM	59441
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**mb**
Diesel Range Organics (DRO)	52	9.9		mg/Kg	1	4/15/2021 7:54:23 PM	59427
Motor Oil Range Organics (MRO)	130	49		mg/Kg	1	4/15/2021 7:54:23 PM	59427
Surr: DNOP	101	70-130		%Rec	1	4/15/2021 7:54:23 PM	59427
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**CCM**
Gasoline Range Organics (GRO)	ND	4.2		mg/Kg	1	4/15/2021 11:40:00 PM	G76692
Surr: BFB	96.9	70-130		%Rec	1	4/15/2021 11:40:00 PM	G76692
EPA METHOD 8021B: VOLATILES						Analyst:	**CCM**
Benzene	ND	0.021		mg/Kg	1	4/15/2021 11:40:00 PM	B76692
Toluene	ND	0.042		mg/Kg	1	4/15/2021 11:40:00 PM	B76692
Ethylbenzene	ND	0.042		mg/Kg	1	4/15/2021 11:40:00 PM	B76692
Xylenes, Total	ND	0.084		mg/Kg	1	4/15/2021 11:40:00 PM	B76692
Surr: 4-Bromofluorobenzene	79.4	70-130		%Rec	1	4/15/2021 11:40:00 PM	B76692

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 **2104685**
Date Reported: **4/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** OP-4
Project: Donahue Federal SWD 1 **Collection Date:** 4/13/2021 2:30:00 PM
Lab ID: 2104685-027 **Matrix:** MEOH (SOIL) **Received Date:** 4/15/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**VP**
Chloride	110	60		mg/Kg	20	4/15/2021 9:27:57 PM	59441
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**mb**
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	4/16/2021 9:19:30 AM	59427
Motor Oil Range Organics (MRO)	60	46		mg/Kg	1	4/16/2021 9:19:30 AM	59427
Surr: DNOP	91.0	70-130		%Rec	1	4/16/2021 9:19:30 AM	59427
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**CCM**
Gasoline Range Organics (GRO)	ND	3.5		mg/Kg	1	4/16/2021	G76692
Surr: BFB	89.1	70-130		%Rec	1	4/16/2021	G76692
EPA METHOD 8021B: VOLATILES						Analyst:	**CCM**
Benzene	ND	0.017		mg/Kg	1	4/16/2021	B76692
Toluene	ND	0.035		mg/Kg	1	4/16/2021	B76692
Ethylbenzene	ND	0.035		mg/Kg	1	4/16/2021	B76692
Xylenes, Total	ND	0.069		mg/Kg	1	4/16/2021	B76692
Surr: 4-Bromofluorobenzene	76.6	70-130		%Rec	1	4/16/2021	B76692

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 **2104685**
Date Reported: **4/20/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** OP-5
Project: Donahue Federal SWD 1 **Collection Date:** 4/13/2021 2:39:00 PM
Lab ID: 2104685-028 **Matrix:** MEOH (SOIL) **Received Date:** 4/15/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	350	60		mg/Kg	20	4/15/2021 9:40:22 PM	59441
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	4/15/2021 8:24:11 PM	59427
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/15/2021 8:24:11 PM	59427
Surr: DNOP	101	70-130		%Rec	1	4/15/2021 8:24:11 PM	59427
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	4.5		mg/Kg	1	4/16/2021 12:20:00 AM	G76692
Surr: BFB	93.5	70-130		%Rec	1	4/16/2021 12:20:00 AM	G76692
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.022		mg/Kg	1	4/16/2021 12:20:00 AM	B76692
Toluene	ND	0.045		mg/Kg	1	4/16/2021 12:20:00 AM	B76692
Ethylbenzene	ND	0.045		mg/Kg	1	4/16/2021 12:20:00 AM	B76692
Xylenes, Total	ND	0.090		mg/Kg	1	4/16/2021 12:20:00 AM	B76692
Surr: 4-Bromofluorobenzene	81.6	70-130		%Rec	1	4/16/2021 12:20:00 AM	B76692

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#: **2104685**

20-Apr-21

Client: EOG

Project: Donahue Federal SWD 1

Sample ID: **MB-59432** SampType: **MBLK** TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS** Batch ID: **59432** RunNo: **76720**
Prep Date: **4/15/2021** Analysis Date: **4/15/2021** SeqNo: **2718363** Units: **mg/Kg**

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

Sample ID: **LCS-59432** SampType: **LCS** TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS** Batch ID: **59432** RunNo: **76720**
Prep Date: **4/15/2021** Analysis Date: **4/15/2021** SeqNo: **2718364** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.0	90	110			

Sample ID: **MB-59441** SampType: **MBLK** TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS** Batch ID: **59441** RunNo: **76720**
Prep Date: **4/15/2021** Analysis Date: **4/15/2021** SeqNo: **2718394** Units: **mg/Kg**

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

Sample ID: **LCS-59441** SampType: **LCS** TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS** Batch ID: **59441** RunNo: **76720**
Prep Date: **4/15/2021** Analysis Date: **4/15/2021** SeqNo: **2718395** Units: **mg/Kg**

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

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#: **2104685**

20-Apr-21

Client: EOG

Project: Donahue Federal SWD 1

Sample ID: **MB-59426**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **59426**	RunNo: **76694**
Prep Date: **4/15/2021**	Analysis Date: **4/15/2021**	SeqNo: **2717697** 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	7.8		10.00		78.4	70	130			

Sample ID: **LCS-59426**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **59426**	RunNo: **76694**
Prep Date: **4/15/2021**	Analysis Date: **4/15/2021**	SeqNo: **2717699** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	54	10	50.00	0	107	68.9	141			
Surr: DNOP	3.8		5.000		76.2	70	130			

Sample ID: **MB-59427**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **59427**	RunNo: **76694**
Prep Date: **4/15/2021**	Analysis Date: **4/15/2021**	SeqNo: **2718359** 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	13		10.00		129	70	130			

Sample ID: **LCS-59427**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **59427**	RunNo: **76694**
Prep Date: **4/15/2021**	Analysis Date: **4/15/2021**	SeqNo: **2718360** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	59	10	50.00	0	119	68.9	141			
Surr: DNOP	5.4		5.000		108	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#: **2104685**

20-Apr-21

Client: EOG

Project: Donahue Federal SWD 1

Sample ID: **2.5ug GRO lcs**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **R76692**	RunNo: **76692**
Prep Date:	Analysis Date: **4/15/2021**	SeqNo: **2719387** 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	1200		1000		116	70	130			

Sample ID: **MB**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **R76692**	RunNo: **76692**
Prep Date:	Analysis Date: **4/15/2021**	SeqNo: **2719388** 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		100	70	130			

Sample ID: **2.5ug gro lcs2**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **G76692**	RunNo: **76692**
Prep Date:	Analysis Date: **4/15/2021**	SeqNo: **2719389** 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	103	78.6	131			
Surr: BFB	1100		1000		115	70	130			

Sample ID: **mb2**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **G76692**	RunNo: **76692**
Prep Date: **3/28/2021**	Analysis Date: **4/15/2021**	SeqNo: **2719390** 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	990		1000		99.3	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#: **2104685**

20-Apr-21

Client: EOG

Project: Donahue Federal SWD 1

Sample ID: **100ng BTEX lcs** SampType: **LCS** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **LCSS** Batch ID: **BS76692** RunNo: **76692**

Prep Date: Analysis Date: **4/15/2021** SeqNo: **2719391** 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	0.94	0.050	1.000	0	94.3	80	120			
Ethylbenzene	0.97	0.050	1.000	0	96.6	80	120			
Xylenes, Total	2.9	0.10	3.000	0	95.5	80	120			
Surr: 4-Bromofluorobenzene	0.90		1.000		90.4	70	130			

Sample ID: **MB** SampType: **MBLK** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **PBS** Batch ID: **BS76692** RunNo: **76692**

Prep Date: Analysis Date: **4/15/2021** SeqNo: **2719392** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.86		1.000		86.5	70	130			

Sample ID: **100ng btex lcs2** SampType: **LCS** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **LCSS** Batch ID: **B76692** RunNo: **76692**

Prep Date: Analysis Date: **4/15/2021** SeqNo: **2719393** 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	0.91	0.050	1.000	0	91.4	80	120			
Ethylbenzene	0.93	0.050	1.000	0	93.2	80	120			
Xylenes, Total	2.7	0.10	3.000	0	91.4	80	120			
Surr: 4-Bromofluorobenzene	0.88		1.000		87.6	70	130			

Sample ID: **mb2** SampType: **MBLK** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **PBS** Batch ID: **B76692** RunNo: **76692**

Prep Date: **3/28/2021** Analysis Date: **4/15/2021** SeqNo: **2719394** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.86		1.000		85.9	70	130			

Qualifiers:

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

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: **2104685** RcptNo: 1

Received By: **Juan Rojas** **4/15/2021 7:40:00 AM**

Completed By: **Cheyenne Cason** **4/15/2021 7:59:31 AM**

Reviewed By: JR 4/15/21

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 preserved added to bottles? Yes ☐ No ☑ NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes ☐ No ☐ NA ☑ JO
10. Were any sample containers received broken? Yes ☐ No ☑

# of preserved bottles checked for pH: 4/15/21 (<2 or >12 unless noted)
Adjusted?
Checked by:

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 ☐

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	4.6	Good				
2	1.6	Good				

Chain-of-Custody Record

Client: EOG - ARTESIA / RANGER ENV.

Mailing Address: EOG - 105 S 4TH ST ARTESIA NM 88210

RANGER - PO BOX 301179 AUSTIN TX 78720

Phone #: 512-289-3378

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 24hr

Project Name: DONAHUE FEDERAL SWD #1

Project #: 5375

Project Manager: W. KIERDORF

Sampler: W. KIERDORF

On Ice: ☒ Yes ☐ No

# of Coolers: 2

Cooler Temp (including CF): 4.6-0.2=4.4 1.6-0.2=1.4

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. 2104685	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)
4/13/21	0824	SOIL	TH-4/2.25'	1x 4oz JAR	ICE	001	X	X									X
	0849		TH-5/3'			002											
	0917		TH-2/3.25'			003											
	0930		TH-1/3.25'			004											
	0950		TH-6/4'			005											
	1034		TH-S.4/0'			006											
	1036		TH-S.4/1'			007											
	1343		TH-S.6/0'			008											
	1345		TH-S.6/1'			009											
	1117		TH-SE.2/1'			010											
	1321		TH-SE.4/0.75'			011											
	1315		TH-SE.5/0'			012											

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
4/14/21	0800				4/14/21	0800
4/14/21	1900			COURIER	4/15/21	7:40

Remarks:

As per Will Kierdorf, Sample ID -005 should be TH-6/4'.
MMG 4/20/21

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

Chain-of-Custody Record

Client: EOG - ARTESIA / RANGER ENV

Mailing Address: EOG - 105 S 4TH ST ARTESIA NM 88210
RANGER - PO BOX 201179 AUSTIN TX 78720

Phone #: 512-289-3272

email or Fax#: NELE@RANGERENV.COM

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

Accreditation: ☐ Az Compliance
☒ NELAC ☐ Other
☒ EDD (Type) EXCEL

Turn-Around Time:
☐ Standard ☒ Rush 24 hr

Project Name: DONANNE FEDERAL SWD #1

Project #: 5375

Project Manager: W. KIEROOF

Sampler: W. KIEROOF
On Ice: ☒ Yes ☐ No
# of Coolers: 2
Cooler Temp (including CF): 1.6+0=1.6 (1.6-0=1.6)

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2104685	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)
4/13/21	1410	SOIL	TH-SW.2/0'	1 x 4oz JAR	ICE	EOL 013	X	X									X
	1413		TH-SW.2/2'			014											
	1540		TH-SW.6/1'			015											
	1352		TH-SW.8/0'			016											
	1357		TH-SW.9/0'			017											
	1615		TH-SSW/0'			018											
	1621		TH-SSW/1'			019											
	1619		TH-SSW.2/0'			020											
	1635		TH-SSW.4/0'			021											
	1643		TH-SSW.5/0'			022											
	1650		TH-SSW.6/0'			023											
↓	1120	↓	OP-1	↓	↓	024	↓	↓									↓

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
4/14/21	0800				4/14/21	0800
4/14/21	900			courier	4/15/21	7:40

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 STREET, ARTESIA NM 88210
RANGER - PO BOX 201179 AUSTIN TX 78720

Phone #: 512-289-3272

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 24 hr

Project Name: QUAHADA FEDERAL SWD #1

Project #: 5375

Project Manager: W. KIERDORF

Sampler: W. KIERDORF
On Ice: ☒ Yes ☐ No
# of Coolers: 2
Cooler Temp (including CF): 4.6 - 0 = 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. 2104685	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)
4/13/21	1248	SOIL	OP-2	1 x 4oz JAR	ICE	026-025	X	X									X
	1250		OP-3			026											
	1430		OP-4			027											
	1439		OP-5			028											

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
4/14/21	0800				4/14/21	0800
4/14/21	1900			COURIER	4/15/21	740

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

April 21, 2021

Will Kierdorf
EOG
105 South Fourth Street
Artesia, NM 88210
TEL: (575) 748-4195
FAX

RE: Donahue Federal SWD 1 OrderNo.: 2104805

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 6 sample(s) on 4/17/2021 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 **2104805**
Date Reported: **4/21/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** PL-SP-2-B
Project: Donahue Federal SWD 1 **Collection Date:** 4/15/2021 1:31:00 PM
Lab ID: 2104805-001 **Matrix:** MEOH (SOIL) **Received Date:** 4/17/2021 8:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	120	60		mg/Kg	20	4/17/2021 12:11:59 PM	59463
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	350	9.2		mg/Kg	1	4/17/2021 5:40:32 PM	59464
Motor Oil Range Organics (MRO)	220	46		mg/Kg	1	4/17/2021 5:40:32 PM	59464
Surr: DNOP	94.5	70-130		%Rec	1	4/17/2021 5:40:32 PM	59464
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	12	3.7		mg/Kg	1	4/17/2021 2:06:00 PM	R76758
Surr: BFB	182	70-130	S	%Rec	1	4/17/2021 2:06:00 PM	R76758
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.018		mg/Kg	1	4/17/2021 2:06:00 PM	BS76758
Toluene	ND	0.037		mg/Kg	1	4/17/2021 2:06:00 PM	BS76758
Ethylbenzene	0.057	0.037		mg/Kg	1	4/17/2021 2:06:00 PM	BS76758
Xylenes, Total	ND	0.073		mg/Kg	1	4/17/2021 2:06:00 PM	BS76758
Surr: 4-Bromofluorobenzene	116	70-130		%Rec	1	4/17/2021 2:06:00 PM	BS76758

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 **2104805**
Date Reported: **4/21/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** PL-SP-1-SW
Project: Donahue Federal SWD 1 **Collection Date:** 4/15/2021 3:30:00 PM
Lab ID: 2104805-002 **Matrix:** MEOH (SOIL) **Received Date:** 4/17/2021 8:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	82	60		mg/Kg	20	4/17/2021 12:24:23 PM	59463
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	150	9.5		mg/Kg	1	4/19/2021 12:08:47 PM	59464
Motor Oil Range Organics (MRO)	320	48		mg/Kg	1	4/19/2021 12:08:47 PM	59464
Surr: DNOP	90.0	70-130		%Rec	1	4/19/2021 12:08:47 PM	59464
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	19		mg/Kg	5	4/17/2021 2:26:00 PM	R76758
Surr: BFB	105	70-130		%Rec	5	4/17/2021 2:26:00 PM	R76758
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.095		mg/Kg	5	4/17/2021 2:26:00 PM	BS76758
Toluene	ND	0.19		mg/Kg	5	4/17/2021 2:26:00 PM	BS76758
Ethylbenzene	ND	0.19		mg/Kg	5	4/17/2021 2:26:00 PM	BS76758
Xylenes, Total	ND	0.38		mg/Kg	5	4/17/2021 2:26:00 PM	BS76758
Surr: 4-Bromofluorobenzene	87.0	70-130		%Rec	5	4/17/2021 2:26:00 PM	BS76758

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 **2104805**
Date Reported: **4/21/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** PL-SP-1-NW
Project: Donahue Federal SWD 1 **Collection Date:** 4/15/2021 3:31:00 PM
Lab ID: 2104805-003 **Matrix:** MEOH (SOIL) **Received Date:** 4/17/2021 8:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	180	60		mg/Kg	20	4/17/2021 12:36:47 PM	59463
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	78	9.9		mg/Kg	1	4/19/2021 11:31:14 AM	59464
Motor Oil Range Organics (MRO)	210	49		mg/Kg	1	4/19/2021 11:31:14 AM	59464
Surr: DNOP	92.8	70-130		%Rec	1	4/19/2021 11:31:14 AM	59464
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	27		mg/Kg	5	4/17/2021 2:46:00 PM	R76758
Surr: BFB	103	70-130		%Rec	5	4/17/2021 2:46:00 PM	R76758
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.13		mg/Kg	5	4/17/2021 2:46:00 PM	BS76758
Toluene	ND	0.27		mg/Kg	5	4/17/2021 2:46:00 PM	BS76758
Ethylbenzene	ND	0.27		mg/Kg	5	4/17/2021 2:46:00 PM	BS76758
Xylenes, Total	ND	0.54		mg/Kg	5	4/17/2021 2:46:00 PM	BS76758
Surr: 4-Bromofluorobenzene	88.8	70-130		%Rec	5	4/17/2021 2:46:00 PM	BS76758

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2104805**
Date Reported: **4/21/2021**

CLIENT: EOG **Client Sample ID:** PL-SP-1-B
Project: Donahue Federal SWD 1 **Collection Date:** 4/15/2021 3:32:00 PM
Lab ID: 2104805-004 **Matrix:** MEOH (SOIL) **Received Date:** 4/17/2021 8:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	80	60		mg/Kg	20	4/17/2021 12:49:12 PM	59463
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	3100	97		mg/Kg	10	4/19/2021 10:16:49 AM	59464
Motor Oil Range Organics (MRO)	3600	490		mg/Kg	10	4/19/2021 10:16:49 AM	59464
Surr: DNOP	0	70-130	S	%Rec	10	4/19/2021 10:16:49 AM	59464
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	19		mg/Kg	5	4/17/2021 3:06:00 PM	R76758
Surr: BFB	102	70-130		%Rec	5	4/17/2021 3:06:00 PM	R76758
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.097		mg/Kg	5	4/17/2021 3:06:00 PM	BS76758
Toluene	ND	0.19		mg/Kg	5	4/17/2021 3:06:00 PM	BS76758
Ethylbenzene	ND	0.19		mg/Kg	5	4/17/2021 3:06:00 PM	BS76758
Xylenes, Total	ND	0.39		mg/Kg	5	4/17/2021 3:06:00 PM	BS76758
Surr: 4-Bromofluorobenzene	87.7	70-130		%Rec	5	4/17/2021 3:06:00 PM	BS76758

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		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2104805**
Date Reported: **4/21/2021**

CLIENT: EOG **Client Sample ID:** PL-EAST
Project: Donahue Federal SWD 1 **Collection Date:** 4/15/2021 1:50:00 PM
Lab ID: 2104805-005 **Matrix:** MEOH (SOIL) **Received Date:** 4/17/2021 8:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	670	61		mg/Kg	20	4/17/2021 1:01:36 PM	59463
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	1300	500		mg/Kg	50	4/19/2021 10:53:41 AM	59464
Motor Oil Range Organics (MRO)	3100	2500		mg/Kg	50	4/19/2021 10:53:41 AM	59464
Surr: DNOP	0	70-130	S	%Rec	50	4/19/2021 10:53:41 AM	59464
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	18		mg/Kg	5	4/17/2021 3:25:00 PM	R76758
Surr: BFB	97.9	70-130		%Rec	5	4/17/2021 3:25:00 PM	R76758
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.092		mg/Kg	5	4/17/2021 3:25:00 PM	BS7675E
Toluene	ND	0.18		mg/Kg	5	4/17/2021 3:25:00 PM	BS7675E
Ethylbenzene	ND	0.18		mg/Kg	5	4/17/2021 3:25:00 PM	BS7675E
Xylenes, Total	ND	0.37		mg/Kg	5	4/17/2021 3:25:00 PM	BS7675E
Surr: 4-Bromofluorobenzene	85.2	70-130		%Rec	5	4/17/2021 3:25:00 PM	BS7675E

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 **2104805**
Date Reported: **4/21/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** PL-WEST
Project: Donahue Federal SWD 1 **Collection Date:** 4/15/2021 3:30:00 PM
Lab ID: 2104805-006 **Matrix:** MEOH (SOIL) **Received Date:** 4/17/2021 8:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	260	60		mg/Kg	20	4/17/2021 1:14:00 PM	59463
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	4/17/2021 8:09:27 PM	59464
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/17/2021 8:09:27 PM	59464
Surr: DNOP	89.7	70-130		%Rec	1	4/17/2021 8:09:27 PM	59464
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	3.1		mg/Kg	1	4/17/2021 3:45:00 PM	R76758
Surr: BFB	92.0	70-130		%Rec	1	4/17/2021 3:45:00 PM	R76758
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.016		mg/Kg	1	4/17/2021 3:45:00 PM	BS76758
Toluene	ND	0.031		mg/Kg	1	4/17/2021 3:45:00 PM	BS76758
Ethylbenzene	ND	0.031		mg/Kg	1	4/17/2021 3:45:00 PM	BS76758
Xylenes, Total	ND	0.062		mg/Kg	1	4/17/2021 3:45:00 PM	BS76758
Surr: 4-Bromofluorobenzene	79.7	70-130		%Rec	1	4/17/2021 3:45:00 PM	BS76758

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#: **2104805**

21-Apr-21

Client: EOG

Project: Donahue Federal SWD 1

Sample ID: **MB-59463**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **59463**	RunNo: **76755**							
Prep Date: **4/17/2021**	Analysis Date: **4/17/2021**	SeqNo: **2720021**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-59463**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **59463**	RunNo: **76755**							
Prep Date: **4/17/2021**	Analysis Date: **4/17/2021**	SeqNo: **2720022**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	90.6	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
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#: **2104805**

21-Apr-21

Client: EOG

Project: Donahue Federal SWD 1

Sample ID: **MB-59464**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **59464**	RunNo: **76757**
Prep Date: **4/17/2021**	Analysis Date: **4/17/2021**	SeqNo: **2720106** 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	9.1		10.00		90.9	70	130			

Sample ID: **LCS-59464**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **59464**	RunNo: **76757**
Prep Date: **4/17/2021**	Analysis Date: **4/17/2021**	SeqNo: **2720108** 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	84.2	68.9	141			
Surr: DNOP	4.4		5.000		88.6	70	130			

Sample ID: **MB-59466**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **59466**	RunNo: **76768**
Prep Date: **4/17/2021**	Analysis Date: **4/19/2021**	SeqNo: **2721645** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.8		10.00		97.7	70	130			

Sample ID: **LCS-59466**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **59466**	RunNo: **76768**
Prep Date: **4/17/2021**	Analysis Date: **4/19/2021**	SeqNo: **2721651** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.4		5.000		87.9	70	130			

Sample ID: **MB-59465**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **59465**	RunNo: **76768**
Prep Date: **4/17/2021**	Analysis Date: **4/20/2021**	SeqNo: **2722493** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.1		10.00		91.1	70	130			

Sample ID: **LCS-59465**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **59465**	RunNo: **76768**
Prep Date: **4/17/2021**	Analysis Date: **4/20/2021**	SeqNo: **2722494** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.3		5.000		86.4	70	130			

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2104805**
21-Apr-21

Client: EOG
Project: Donahue Federal SWD 1

Sample ID: **2.5ug gro lcs** SampType: **LCS** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS** Batch ID: **R76758** RunNo: **76758**
Prep Date: Analysis Date: **4/17/2021** SeqNo: **2720123** 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	101	78.6	131			
Surr: BFB	1200		1000		119	70	130			

Sample ID: **mb** SampType: **MBLK** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS** Batch ID: **R76758** RunNo: **76758**
Prep Date: Analysis Date: **4/17/2021** SeqNo: **2720124** 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			

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#: **2104805**

21-Apr-21

Client: EOG

Project: Donahue Federal SWD 1

Sample ID: **100ng btex lcs**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **BS76758**	RunNo: **76758**
Prep Date:	Analysis Date: **4/17/2021**	SeqNo: **2720187** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	1.000	0	94.5	80	120			
Toluene	0.94	0.050	1.000	0	93.9	80	120			
Ethylbenzene	0.96	0.050	1.000	0	96.0	80	120			
Xylenes, Total	2.8	0.10	3.000	0	94.7	80	120			
Surr: 4-Bromofluorobenzene	0.89		1.000		89.5	70	130			

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **BS76758**	RunNo: **76758**
Prep Date:	Analysis Date: **4/17/2021**	SeqNo: **2720188** 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	0.89		1.000		89.0	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: **2104805** RcptNo: 1

Received By: **Cheyenne Cason** **4/17/2021 8:40:00 AM**

Completed By: **Cheyenne Cason** **4/17/2021 8:49:36 AM**

Reviewed By: 04/17/2021

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: 4/17/21

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	0.9	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 #: 512-289-3272

email or Fax#: NEIL@RANGERENV.COM

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

Accreditation: ☐ Az Compliance
☒ NELAC ☐ Other
☒ EDD (Type) EXCEL

Turn-Around Time:
☐ Standard ☒ Rush 24 HOUR

Project Name: DONAHUE FEDERAL SWD #1

Project #: 5375

Project Manager: M. KIERNAN

Sampler:
On Ice: ☒ Yes ☐ No
# of Coolers: 1
Cooler Temp (including CF): 0.9 + 0.1 = 0.8

0.9 - 0.0 = 0.9

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. 2104805	BTEX / MTBE / TMBs (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)
4/15/21	1331	SOIL	PL-SP-2-B	1 x 4oz JAR	ICE	001	X	X									X
	1630	SOIL	PL-SP-1-SW			002											
	1631	SOIL	PL-SP-1-NW			003											
	1632	SOIL	PL-SP-1-B			004											
4/15/21	1350	SOIL	PL-EAST			005	X	X									X
4/15/21	1530	SOIL	PL-WEST			006	X	X									X

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
4/15/21	0743				4/16/21	743
4/16/21	1900		COOLER		4/17/21	0840

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

April 26, 2021

Will Kierdorf
EOG
105 South Fourth Street
Artesia, NM 88210
TEL: (575) 748-4195
FAX:

RE: Donahue Federal SWD 1 OrderNo.: 2104964

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 15 sample(s) on 4/22/2021 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued April 26, 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.

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2104964**
Date Reported: **4/26/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH-SSW-5(W)/0'
Project: Donahue Federal SWD 1 **Collection Date:** 4/20/2021 11:05:00 AM
Lab ID: 2104964-001 **Matrix:** MEOH (SOIL) **Received Date:** 4/22/2021 7:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	220	60		mg/Kg	20	4/22/2021 10:30:40 AM	59572
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	24	9.9		mg/Kg	1	4/22/2021 11:24:31 AM	59569
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/22/2021 11:24:31 AM	59569
Surr: DNOP	93.7	70-130		%Rec	1	4/22/2021 11:24:31 AM	59569
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	13		mg/Kg	5	4/22/2021 9:16:30 AM	G76878
Surr: BFB	101	70-130		%Rec	5	4/22/2021 9:16:30 AM	G76878
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.066		mg/Kg	5	4/22/2021 9:16:30 AM	B76878
Toluene	ND	0.13		mg/Kg	5	4/22/2021 9:16:30 AM	B76878
Ethylbenzene	ND	0.13		mg/Kg	5	4/22/2021 9:16:30 AM	B76878
Xylenes, Total	ND	0.27		mg/Kg	5	4/22/2021 9:16:30 AM	B76878
Surr: 4-Bromofluorobenzene	96.3	70-130		%Rec	5	4/22/2021 9:16:30 AM	B76878

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 **2104964**
Date Reported: **4/26/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH-SSW-5(S)/0'
Project: Donahue Federal SWD 1 **Collection Date:** 4/20/2021 11:09:00 AM
Lab ID: 2104964-002 **Matrix:** MEOH (SOIL) **Received Date:** 4/22/2021 7:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	61	60		mg/Kg	20	4/22/2021 10:43:03 AM	59572
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	10	9.7		mg/Kg	1	4/22/2021 11:48:27 AM	59569
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/22/2021 11:48:27 AM	59569
Surr: DNOP	92.2	70-130		%Rec	1	4/22/2021 11:48:27 AM	59569
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	3.2		mg/Kg	1	4/22/2021 9:39:57 AM	G76878
Surr: BFB	101	70-130		%Rec	1	4/22/2021 9:39:57 AM	G76878
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.016		mg/Kg	1	4/22/2021 9:39:57 AM	B76878
Toluene	ND	0.032		mg/Kg	1	4/22/2021 9:39:57 AM	B76878
Ethylbenzene	ND	0.032		mg/Kg	1	4/22/2021 9:39:57 AM	B76878
Xylenes, Total	ND	0.064		mg/Kg	1	4/22/2021 9:39:57 AM	B76878
Surr: 4-Bromofluorobenzene	96.4	70-130		%Rec	1	4/22/2021 9:39:57 AM	B76878

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 **2104964**
Date Reported: **4/26/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** OP-6
Project: Donahue Federal SWD 1 **Collection Date:** 4/20/2021 11:15:00 AM
Lab ID: 2104964-003 **Matrix:** MEOH (SOIL) **Received Date:** 4/22/2021 7:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	120	59		mg/Kg	20	4/22/2021 10:55:28 AM	59572
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	13	9.5		mg/Kg	1	4/22/2021 12:36:23 PM	59569
Motor Oil Range Organics (MRO)	63	47		mg/Kg	1	4/22/2021 12:36:23 PM	59569
Surr: DNOP	99.0	70-130		%Rec	1	4/22/2021 12:36:23 PM	59569
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	3.7		mg/Kg	1	4/22/2021 10:03:33 AM	G76878
Surr: BFB	105	70-130		%Rec	1	4/22/2021 10:03:33 AM	G76878
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.019		mg/Kg	1	4/22/2021 10:03:33 AM	B76878
Toluene	ND	0.037		mg/Kg	1	4/22/2021 10:03:33 AM	B76878
Ethylbenzene	ND	0.037		mg/Kg	1	4/22/2021 10:03:33 AM	B76878
Xylenes, Total	ND	0.075		mg/Kg	1	4/22/2021 10:03:33 AM	B76878
Surr: 4-Bromofluorobenzene	98.3	70-130		%Rec	1	4/22/2021 10:03:33 AM	B76878

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 **2104964**
Date Reported: **4/26/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** PL-SP-3/8'
Project: Donahue Federal SWD 1 **Collection Date:** 4/20/2021 12:42:00 PM
Lab ID: 2104964-004 **Matrix:** MEOH (SOIL) **Received Date:** 4/22/2021 7:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	74	60		mg/Kg	20	4/22/2021 11:07:52 AM	59572
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	4/22/2021 11:28:00 AM	59569
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/22/2021 11:28:00 AM	59569
Surr: DNOP	110	70-130		%Rec	1	4/22/2021 11:28:00 AM	59569
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	3.9		mg/Kg	1	4/22/2021 10:27:18 AM	G76878
Surr: BFB	99.1	70-130		%Rec	1	4/22/2021 10:27:18 AM	G76878
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.019		mg/Kg	1	4/22/2021 10:27:18 AM	B76878
Toluene	ND	0.039		mg/Kg	1	4/22/2021 10:27:18 AM	B76878
Ethylbenzene	ND	0.039		mg/Kg	1	4/22/2021 10:27:18 AM	B76878
Xylenes, Total	ND	0.078		mg/Kg	1	4/22/2021 10:27:18 AM	B76878
Surr: 4-Bromofluorobenzene	96.9	70-130		%Rec	1	4/22/2021 10:27:18 AM	B76878

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 **2104964**
Date Reported: **4/26/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** PL-SP-3-NW
Project: Donahue Federal SWD 1 **Collection Date:** 4/20/2021 1:48:00 PM
Lab ID: 2104964-005 **Matrix:** MEOH (SOIL) **Received Date:** 4/22/2021 7:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	1400	60		mg/Kg	20	4/22/2021 11:20:16 AM	59572
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	200	9.3		mg/Kg	1	4/22/2021 3:19:53 PM	59569
Motor Oil Range Organics (MRO)	530	46		mg/Kg	1	4/22/2021 3:19:53 PM	59569
Surr: DNOP	93.8	70-130		%Rec	1	4/22/2021 3:19:53 PM	59569
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	3.7		mg/Kg	1	4/22/2021 10:50:52 AM	G76878
Surr: BFB	106	70-130		%Rec	1	4/22/2021 10:50:52 AM	G76878
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.018		mg/Kg	1	4/22/2021 10:50:52 AM	B76878
Toluene	ND	0.037		mg/Kg	1	4/22/2021 10:50:52 AM	B76878
Ethylbenzene	ND	0.037		mg/Kg	1	4/22/2021 10:50:52 AM	B76878
Xylenes, Total	ND	0.073		mg/Kg	1	4/22/2021 10:50:52 AM	B76878
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	4/22/2021 10:50:52 AM	B76878

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 **2104964**
Date Reported: **4/26/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** PL-EAST-A
Project: Donahue Federal SWD 1 **Collection Date:** 4/20/2021 2:42:00 PM
Lab ID: 2104964-006 **Matrix:** MEOH (SOIL) **Received Date:** 4/22/2021 7:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	150	60		mg/Kg	20	4/22/2021 11:57:28 AM	59572
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	830	99		mg/Kg	10	4/22/2021 2:50:52 PM	59569
Motor Oil Range Organics (MRO)	1300	490		mg/Kg	10	4/22/2021 2:50:52 PM	59569
Surr: DNOP	0	70-130	S	%Rec	10	4/22/2021 2:50:52 PM	59569
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	22		mg/Kg	5	4/22/2021 11:14:25 AM	G76878
Surr: BFB	102	70-130		%Rec	5	4/22/2021 11:14:25 AM	G76878
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.11		mg/Kg	5	4/22/2021 11:14:25 AM	B76878
Toluene	ND	0.22		mg/Kg	5	4/22/2021 11:14:25 AM	B76878
Ethylbenzene	ND	0.22		mg/Kg	5	4/22/2021 11:14:25 AM	B76878
Xylenes, Total	ND	0.44		mg/Kg	5	4/22/2021 11:14:25 AM	B76878
Surr: 4-Bromofluorobenzene	98.9	70-130		%Rec	5	4/22/2021 11:14:25 AM	B76878

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 **2104964**
Date Reported: **4/26/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** PL-SP-1-NW-A
Project: Donahue Federal SWD 1 **Collection Date:** 4/20/2021 3:00:00 PM
Lab ID: 2104964-007 **Matrix:** MEOH (SOIL) **Received Date:** 4/22/2021 7:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	98	60		mg/Kg	20	4/22/2021 12:09:53 PM	59572
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	130	9.1		mg/Kg	1	4/22/2021 1:24:27 PM	59569
Motor Oil Range Organics (MRO)	230	45		mg/Kg	1	4/22/2021 1:24:27 PM	59569
Surr: DNOP	100	70-130		%Rec	1	4/22/2021 1:24:27 PM	59569
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	30		mg/Kg	5	4/22/2021 11:38:00 AM	G76878
Surr: BFB	106	70-130		%Rec	5	4/22/2021 11:38:00 AM	G76878
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.15		mg/Kg	5	4/22/2021 11:38:00 AM	B76878
Toluene	ND	0.30		mg/Kg	5	4/22/2021 11:38:00 AM	B76878
Ethylbenzene	ND	0.30		mg/Kg	5	4/22/2021 11:38:00 AM	B76878
Xylenes, Total	ND	0.60		mg/Kg	5	4/22/2021 11:38:00 AM	B76878
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	5	4/22/2021 11:38:00 AM	B76878

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 **2104964**
Date Reported: **4/26/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** PL-SP-1-SW-A
Project: Donahue Federal SWD 1 **Collection Date:** 4/20/2021 3:28:00 PM
Lab ID: 2104964-008 **Matrix:** MEOH (SOIL) **Received Date:** 4/22/2021 7:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	280	60		mg/Kg	20	4/22/2021 12:22:17 PM	59572
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	220	8.8		mg/Kg	1	4/22/2021 1:48:32 PM	59569
Motor Oil Range Organics (MRO)	400	44		mg/Kg	1	4/22/2021 1:48:32 PM	59569
Surr: DNOP	92.0	70-130		%Rec	1	4/22/2021 1:48:32 PM	59569
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	21		mg/Kg	5	4/22/2021 12:01:34 PM	G76878
Surr: BFB	106	70-130		%Rec	5	4/22/2021 12:01:34 PM	G76878
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.11		mg/Kg	5	4/22/2021 12:01:34 PM	B76878
Toluene	ND	0.21		mg/Kg	5	4/22/2021 12:01:34 PM	B76878
Ethylbenzene	ND	0.21		mg/Kg	5	4/22/2021 12:01:34 PM	B76878
Xylenes, Total	ND	0.43		mg/Kg	5	4/22/2021 12:01:34 PM	B76878
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	5	4/22/2021 12:01:34 PM	B76878

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 **2104964**
Date Reported: **4/26/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** PL-SP-1/11'
Project: Donahue Federal SWD 1 **Collection Date:** 4/20/2021 3:37:00 PM
Lab ID: 2104964-009 **Matrix:** MEOH (SOIL) **Received Date:** 4/22/2021 7:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	210	60		mg/Kg	20	4/22/2021 12:34:42 PM	59572
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	1000	88		mg/Kg	10	4/22/2021 12:54:53 PM	59569
Motor Oil Range Organics (MRO)	1300	440		mg/Kg	10	4/22/2021 12:54:53 PM	59569
Surr: DNOP	0	70-130	S	%Rec	10	4/22/2021 12:54:53 PM	59569
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.4		mg/Kg	1	4/22/2021 12:25:10 PM	G76878
Surr: BFB	103	70-130		%Rec	1	4/22/2021 12:25:10 PM	G76878
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.022		mg/Kg	1	4/22/2021 12:25:10 PM	B76878
Toluene	ND	0.044		mg/Kg	1	4/22/2021 12:25:10 PM	B76878
Ethylbenzene	ND	0.044		mg/Kg	1	4/22/2021 12:25:10 PM	B76878
Xylenes, Total	ND	0.088		mg/Kg	1	4/22/2021 12:25:10 PM	B76878
Surr: 4-Bromofluorobenzene	98.9	70-130		%Rec	1	4/22/2021 12:25:10 PM	B76878

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 **2104964**
Date Reported: **4/26/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH-6/5.5'
Project: Donahue Federal SWD 1 **Collection Date:** 4/21/2021 8:17:00 AM
Lab ID: 2104964-010 **Matrix:** MEOH (SOIL) **Received Date:** 4/22/2021 7:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	ND	60		mg/Kg	20	4/22/2021 12:47:06 PM	59572
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	23	8.4		mg/Kg	1	4/22/2021 11:37:33 AM	59569
Motor Oil Range Organics (MRO)	ND	42		mg/Kg	1	4/22/2021 11:37:33 AM	59569
Surr: DNOP	83.3	70-130		%Rec	1	4/22/2021 11:37:33 AM	59569
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	3.2		mg/Kg	1	4/22/2021 12:48:46 PM	G76878
Surr: BFB	101	70-130		%Rec	1	4/22/2021 12:48:46 PM	G76878
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.016		mg/Kg	1	4/22/2021 12:48:46 PM	B76878
Toluene	ND	0.032		mg/Kg	1	4/22/2021 12:48:46 PM	B76878
Ethylbenzene	ND	0.032		mg/Kg	1	4/22/2021 12:48:46 PM	B76878
Xylenes, Total	ND	0.063		mg/Kg	1	4/22/2021 12:48:46 PM	B76878
Surr: 4-Bromofluorobenzene	99.6	70-130		%Rec	1	4/22/2021 12:48:46 PM	B76878

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 **2104964**
Date Reported: **4/26/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** OP-3-N
Project: Donahue Federal SWD 1 **Collection Date:** 4/21/2021 9:00:00 AM
Lab ID: 2104964-011 **Matrix:** MEOH (SOIL) **Received Date:** 4/22/2021 7:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	120	60		mg/Kg	20	4/22/2021 12:59:31 PM	59572
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	4/22/2021 11:56:46 AM	59569
Motor Oil Range Organics (MRO)	51	48		mg/Kg	1	4/22/2021 11:56:46 AM	59569
Surr: DNOP	76.8	70-130		%Rec	1	4/22/2021 11:56:46 AM	59569
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	3.7		mg/Kg	1	4/22/2021 11:54:00 AM	R76872
Surr: BFB	100	70-130		%Rec	1	4/22/2021 11:54:00 AM	R76872
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.019		mg/Kg	1	4/22/2021 11:54:00 AM	B76872
Toluene	ND	0.037		mg/Kg	1	4/22/2021 11:54:00 AM	B76872
Ethylbenzene	ND	0.037		mg/Kg	1	4/22/2021 11:54:00 AM	B76872
Xylenes, Total	ND	0.075		mg/Kg	1	4/22/2021 11:54:00 AM	B76872
Surr: 4-Bromofluorobenzene	82.2	70-130		%Rec	1	4/22/2021 11:54:00 AM	B76872

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 **2104964**
Date Reported: **4/26/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** OP-3-E
Project: Donahue Federal SWD 1 **Collection Date:** 4/21/2021 9:02:00 AM
Lab ID: 2104964-012 **Matrix:** MEOH (SOIL) **Received Date:** 4/22/2021 7:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	200	60		mg/Kg	20	4/22/2021 1:11:56 PM	59572
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	13	9.9		mg/Kg	1	4/22/2021 12:16:05 PM	59569
Motor Oil Range Organics (MRO)	70	50		mg/Kg	1	4/22/2021 12:16:05 PM	59569
Surr: DNOP	73.0	70-130		%Rec	1	4/22/2021 12:16:05 PM	59569
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	3.0		mg/Kg	1	4/22/2021 12:14:00 PM	R76872
Surr: BFB	99.8	70-130		%Rec	1	4/22/2021 12:14:00 PM	R76872
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.015		mg/Kg	1	4/22/2021 12:14:00 PM	B76872
Toluene	ND	0.030		mg/Kg	1	4/22/2021 12:14:00 PM	B76872
Ethylbenzene	ND	0.030		mg/Kg	1	4/22/2021 12:14:00 PM	B76872
Xylenes, Total	ND	0.060		mg/Kg	1	4/22/2021 12:14:00 PM	B76872
Surr: 4-Bromofluorobenzene	82.5	70-130		%Rec	1	4/22/2021 12:14:00 PM	B76872

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 **2104964**
Date Reported: **4/26/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** OP-3-S
Project: Donahue Federal SWD 1 **Collection Date:** 4/21/2021 9:03:00 AM
Lab ID: 2104964-013 **Matrix:** MEOH (SOIL) **Received Date:** 4/22/2021 7:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	170	60		mg/Kg	20	4/22/2021 1:24:20 PM	59572
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	10	9.2		mg/Kg	1	4/22/2021 12:06:25 PM	59569
Motor Oil Range Organics (MRO)	54	46		mg/Kg	1	4/22/2021 12:06:25 PM	59569
Surr: DNOP	116	70-130		%Rec	1	4/22/2021 12:06:25 PM	59569
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	4.1		mg/Kg	1	4/22/2021 12:54:00 PM	R76872
Surr: BFB	105	70-130		%Rec	1	4/22/2021 12:54:00 PM	R76872
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.021		mg/Kg	1	4/22/2021 12:54:00 PM	B76872
Toluene	ND	0.041		mg/Kg	1	4/22/2021 12:54:00 PM	B76872
Ethylbenzene	ND	0.041		mg/Kg	1	4/22/2021 12:54:00 PM	B76872
Xylenes, Total	ND	0.083		mg/Kg	1	4/22/2021 12:54:00 PM	B76872
Surr: 4-Bromofluorobenzene	85.2	70-130		%Rec	1	4/22/2021 12:54:00 PM	B76872

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 **2104964**
Date Reported: **4/26/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** PL-SP-3-SW
Project: Donahue Federal SWD 1 **Collection Date:** 4/21/2021 9:48:00 AM
Lab ID: 2104964-014 **Matrix:** MEOH (SOIL) **Received Date:** 4/22/2021 7:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	ND	60		mg/Kg	20	4/22/2021 1:36:45 PM	59572
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	32	9.7		mg/Kg	1	4/22/2021 3:40:07 PM	59569
Motor Oil Range Organics (MRO)	97	49		mg/Kg	1	4/22/2021 3:40:07 PM	59569
Surr: DNOP	84.5	70-130		%Rec	1	4/22/2021 3:40:07 PM	59569
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	2.7		mg/Kg	1	4/22/2021 1:13:00 PM	R76872
Surr: BFB	101	70-130		%Rec	1	4/22/2021 1:13:00 PM	R76872
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.013		mg/Kg	1	4/22/2021 1:13:00 PM	B76872
Toluene	ND	0.027		mg/Kg	1	4/22/2021 1:13:00 PM	B76872
Ethylbenzene	ND	0.027		mg/Kg	1	4/22/2021 1:13:00 PM	B76872
Xylenes, Total	ND	0.054		mg/Kg	1	4/22/2021 1:13:00 PM	B76872
Surr: 4-Bromofluorobenzene	82.2	70-130		%Rec	1	4/22/2021 1:13:00 PM	B76872

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 **2104964**
Date Reported: **4/26/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** TH-5/3.25'
Project: Donahue Federal SWD 1 **Collection Date:** 4/21/2021 10:43:00 AM
Lab ID: 2104964-015 **Matrix:** MEOH (SOIL) **Received Date:** 4/22/2021 7:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	460	60		mg/Kg	20	4/22/2021 1:49:09 PM	59572
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	4/22/2021 11:47:08 AM	59569
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	4/22/2021 11:47:08 AM	59569
Surr: DNOP	84.7	70-130		%Rec	1	4/22/2021 11:47:08 AM	59569
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	4/22/2021 1:33:00 PM	R76872
Surr: BFB	98.2	70-130		%Rec	1	4/22/2021 1:33:00 PM	R76872
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.023		mg/Kg	1	4/22/2021 1:33:00 PM	B76872
Toluene	ND	0.046		mg/Kg	1	4/22/2021 1:33:00 PM	B76872
Ethylbenzene	ND	0.046		mg/Kg	1	4/22/2021 1:33:00 PM	B76872
Xylenes, Total	ND	0.092		mg/Kg	1	4/22/2021 1:33:00 PM	B76872
Surr: 4-Bromofluorobenzene	80.4	70-130		%Rec	1	4/22/2021 1:33:00 PM	B76872

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#: **2104964**

27-Apr-21

Client: EOG

Project: Donahue Federal SWD 1

Sample ID: **MB-59572**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **59572**	RunNo: **76880**
Prep Date: **4/22/2021**	Analysis Date: **4/22/2021**	SeqNo: **2725084** Units: **mg/Kg**

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

Sample ID: **LCS-59572**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **59572**	RunNo: **76880**
Prep Date: **4/22/2021**	Analysis Date: **4/22/2021**	SeqNo: **2725085** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.2	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#: **2104964**

27-Apr-21

Client: EOG

Project: Donahue Federal SWD 1

Sample ID: **MB-59569** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **PBS** Batch ID: **59569** RunNo: **76881**

Prep Date: **4/22/2021** Analysis Date: **4/22/2021** SeqNo: **2724415** 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: **LCS-59569** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **LCSS** Batch ID: **59569** RunNo: **76881**

Prep Date: **4/22/2021** Analysis Date: **4/22/2021** SeqNo: **2724416** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	98.5	68.9	141			
Surr: DNOP	4.8		5.000		96.2	70	130			

Sample ID: **MB-59552** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **PBS** Batch ID: **59552** RunNo: **76884**

Prep Date: **4/21/2021** Analysis Date: **4/22/2021** SeqNo: **2725024** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10		10.00		103	70	130			

Sample ID: **LCS-59552** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **LCSS** Batch ID: **59552** RunNo: **76884**

Prep Date: **4/21/2021** Analysis Date: **4/22/2021** SeqNo: **2725026** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.6		5.000		91.9	70	130			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2104964**

27-Apr-21

Client: EOG

Project: Donahue Federal SWD 1

Sample ID: **2.5ug GRO lcs**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **R76872**	RunNo: **76872**
Prep Date:	Analysis Date: **4/22/2021**	SeqNo: **2724384** 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	102	78.6	131			
Surr: BFB	1200		1000		116	70	130			

Sample ID: **MB**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **R76872**	RunNo: **76872**
Prep Date:	Analysis Date: **4/22/2021**	SeqNo: **2724385** 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		100	70	130			

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **G76878**	RunNo: **76878**
Prep Date:	Analysis Date: **4/22/2021**	SeqNo: **2724686** Units: **mg/Kg**

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

Sample ID: **2.5ug gro lcs**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **G76878**	RunNo: **76878**
Prep Date:	Analysis Date: **4/22/2021**	SeqNo: **2724687** 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	99.8	78.6	131			
Surr: BFB	1200		1000		118	70	130			

Sample ID: **mb-59544**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **59544**	RunNo: **76878**
Prep Date: **4/21/2021**	Analysis Date: **4/23/2021**	SeqNo: **2724710** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1000		1000		103	70	130			

Sample ID: **lcs-59544**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **59544**	RunNo: **76878**
Prep Date: **4/21/2021**	Analysis Date: **4/22/2021**	SeqNo: **2724711** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100		1000		113	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#: **2104964**

27-Apr-21

Client: EOG

Project: Donahue Federal SWD 1

Sample ID: **LCS-59540**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **59540**	RunNo: **76872**
Prep Date: **4/21/2021**	Analysis Date: **4/22/2021**	SeqNo: **2725542** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100		1000		112	70	130			

Sample ID: **MB-59540**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **59540**	RunNo: **76872**
Prep Date: **4/21/2021**	Analysis Date: **4/22/2021**	SeqNo: **2725543** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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#: **2104964**
27-Apr-21

Client: EOG
Project: Donahue Federal SWD 1

Sample ID: **MB**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**							
Client ID: **PBS**	Batch ID: **R76872**	RunNo: **76872**							
Prep Date:	Analysis Date: **4/22/2021**	SeqNo: **2724391**	Units: **%Rec**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.83		1.000		83.3	70	130			

Sample ID: **100ng BTEX lcs2**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**							
Client ID: **LCSS**	Batch ID: **B76872**	RunNo: **76872**							
Prep Date:	Analysis Date: **4/22/2021**	SeqNo: **2724394**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	91.0	80	120			
Toluene	0.90	0.050	1.000	0	89.6	80	120			
Ethylbenzene	0.92	0.050	1.000	0	92.4	80	120			
Xylenes, Total	2.7	0.10	3.000	0	91.0	80	120			
Surr: 4-Bromofluorobenzene	0.88		1.000		88.3	70	130			

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**							
Client ID: **PBS**	Batch ID: **B76878**	RunNo: **76878**							
Prep Date:	Analysis Date: **4/22/2021**	SeqNo: **2724735**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.98		1.000		98.3	70	130			

Sample ID: **100ng btex lcs**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**							
Client ID: **LCSS**	Batch ID: **B76878**	RunNo: **76878**							
Prep Date:	Analysis Date: **4/22/2021**	SeqNo: **2724736**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	1.000	0	94.4	80	120			
Toluene	0.95	0.050	1.000	0	95.4	80	120			
Ethylbenzene	0.94	0.050	1.000	0	94.3	80	120			
Xylenes, Total	2.8	0.10	3.000	0	94.3	80	120			
Surr: 4-Bromofluorobenzene	0.99		1.000		98.6	70	130			

Sample ID: **mb-59544**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**							
Client ID: **PBS**	Batch ID: **59544**	RunNo: **76878**							
Prep Date: **4/21/2021**	Analysis Date: **4/23/2021**	SeqNo: **2724749**	Units: **%Rec**						
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#: **2104964**

27-Apr-21

Client: EOG

Project: Donahue Federal SWD 1

Sample ID: **mb-59544** SampType: **MBLK** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS** Batch ID: **59544** RunNo: **76878**
Prep Date: **4/21/2021** Analysis Date: **4/23/2021** SeqNo: **2724749** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1.000		99.7	70	130			

Sample ID: **LCS-59544** SampType: **LCS** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS** Batch ID: **59544** RunNo: **76878**
Prep Date: **4/21/2021** Analysis Date: **4/22/2021** SeqNo: **2724750** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.1		1.000		105	70	130			

Sample ID: **LCS-59540** SampType: **LCS** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS** Batch ID: **59540** RunNo: **76872**
Prep Date: **4/21/2021** Analysis Date: **4/22/2021** SeqNo: **2725570** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.86		1.000		85.8	70	130			

Sample ID: **MB-59540** SampType: **MBLK** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS** Batch ID: **59540** RunNo: **76872**
Prep Date: **4/21/2021** Analysis Date: **4/22/2021** SeqNo: **2725571** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.84		1.000		83.9	70	130			

Qualifiers:

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

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: **2104964** | RcptNo: 1

Received By: **Cheyenne Cason** **4/22/2021 7:55:00 AM**

Completed By: **Desiree Dominguez** **4/22/2021 8:06:30 AM**

Reviewed By: DGC 4/22/21

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 ☐	

10 4/22/21

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

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

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

Person Notified: _____ Date: _____

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

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.1	Good				

1 of 2

Chain-of-Custody Record

Client: RANGER/EOG-ARTESIA

Mailing Address: EOG- 105 S 4TH ST ARTESIA NM 88210

RANGER - PO BOX 201179 AUSTIN TX 78720

Phone #: 512-289-3272

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 SAME DAY

Project Name: DOVANNE FEDERAL SWD #1

Project #: 5375

Project Manager: W. KIERONF

Sampler: W. KIERONF

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp (including CF): 1.2-0.1=1.1

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. 2104964	BTEX / 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)
4/20/21	1105	SOIL	TH-SSW.5(W)/0'	1 x 4oz JAR	ICE	-001	X	X									X
	1109		TH-SSW.5(S)/0'			-002											
	1115		OP-5			-003											
	1242		PL-SP-3/8'			-004											
	1348		PL-SP-3-NW			-005											
	1442		PL-EAST-A			-006											
	1500		PL-SP-1-NW-A			-007											
	1538		PL-SP-1-SW-A			-008											
	1537		PL-SP-1/11'			-009											
4/21/21	0817		TH-6/5.5'			-010											
	0900		OP-3-N			-011											
	0902		OP-3-E			-012											

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
4/21/21	1155				4/21/21	1155
4/21/21	1900			COUR	4/22/21	0755

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: RANGER ENV/EDG-ARTESIA

Mailing Address: EDG- 105 S 4TH STREET ARTESIA NM 88210

RANGER - PO BOX 201179 AUSTIN TX 78720

Phone #: 512-289-3272

email or Fax#: VEL@RANGERENV.COM

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

Accreditation: ☐ Az Compliance
☒ NELAC ☐ Other
☒ EDD (Type) EXCEL

Turn-Around Time:
☐ Standard ☒ Rush SAME DAY

Project Name: DONAHUE FEDERAL SWD #1

Project #: 5375

Project Manager: W. KIERDORF

Sampler: W. KIERDORF

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 1.2-0.1=1.1

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. 2104964	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)
4/21/21	0903	SOIL	OP-3-S	1 x 4oz JAR	ICE	-013	X	X									X
"	0948	"	PL-SP-3-SW	"	"	-014	"	"									"
"	1043	"	TH-S/3.25'	"	"	-015	"	"									"

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
4/21/21	1155				4/21/21	1155
4/21/21	1900				4/22/21	0755

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.

ATTACHMENT 7 – BLM APLOMADO FALCON HABITAT SEED MIXTURE

BLM Aplomado Falcon Habitat Seed Mixture

The holder shall seed all disturbed areas with the seed mixture listed below. The seed mixture shall be planted in the amounts specified in pounds of pure live seed (PLS)* per acre. There shall be no primary or secondary noxious weeds in the seed mixture. Seed will be tested and the viability testing of seed will be done in accordance with State law (s) and within nine (9) months prior to purchase. Commercial seed will be either certified or registered seed. The seed container will be tagged in accordance with State law(s) and available for inspection by the authorized officer.

Seed will be planted using a drill equipped with a depth regulator to ensure proper depth of planting where drilling is possible. The seed mixture will be evenly and uniformly planted over the disturbed area (smaller/heavier seeds have a tendency to drop the bottom of the drill and are planted first). The holder shall take appropriate measures to ensure this does not occur. Where drilling is not possible, seed will be broadcast and the area shall be raked or chained to cover the seed. When broadcasting the seed, the pounds per acre are to be doubled. The seeding will be repeated until a satisfactory stand is established as determined by the authorized officer. Evaluation of growth will not be made before completion of at least one full growing season after seeding.

Species to be planted in pounds of pure live seed* per acre:

Species	lb/acre
Buffalograss (Buchloe dactyloides))	4 lbs/acre
Blue grama (Bouteloua gracilis)	1 lb/acre
Cane bluestem (Bothriochloa barbinodis)	5 lbs/acre
Sideoats grama (Bouteloua curtipendula)	5 lbs/acre
Plains bristlegrass (Setaria macrostachya)	6 lbs/acre

*Pounds of pure live seed:

Pounds of seed **x** percent purity **x** percent germination = pounds pure live seed

State of New Mexico
Oil Conservation Division

Incident ID	NRM2029646692
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

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

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

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

Signature: Chase Settle Date: 04/29/2021

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

OCD Only

Received by: Robert Hamlet Date: 8/17/2021

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

Signature: Robert Hamlet Date: 8/17/2021

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

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

CONDITIONS

Action 26394

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 26394
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	The Remediation Plan is Conditionally Approved. This release is in a high karst area and will need to be remediated to the strictest closure criteria of <50' depth to groundwater from Table 1 of the spill rule. If rock refusal is encountered, use hydrovac to clean contaminated soil off rock. Use rotary drill to drill 18"-24" hole into the rock, pull sample and do lab analysis. If clean, layer clean rock with microbial strains to digest organics and hydrocarbons. Back-fill with clean material. Please make sure the edges/sidewalls are delineated to 600 mg/kg for chlorides and 100 mg/kg TPH.	8/17/2021