

SITE CHARACTERIZATION AND PROPOSED REMEDIATION PLAN

NORTHERN ON-PAD AREA

ROY SWD #3 UNIT P, SECTION 7, TOWNSHIP 19S, RANGE 25E EDDY COUNTY, NEW MEXICO 32.67059, -104.51773

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SITE CHARACTERIZATION AND PROPOSED REMEDIATION PLAN NORTHERN ON-PAD AREA ROY SWD #3 UNIT P, SECTION 7, TOWNSHIP 19S, RANGE 25E EDDY COUNTY, NEW MEXICO 32.67059, -104.51773 RANGER REFERENCE NO. 5375

1.0 INTRODUCTION

1.1 Site Location and Background

The Roy SWD #3 (site) is located on private land, approximately 13.6 miles southwest of Artesia, within Eddy County, New Mexico. The facility is situated in Unit P, Section 7, T19S-R25E at GPS coordinates 32.67059, -104.51773. The site, operated by EOG Resources, Inc. (EOG), consists of a saltwater disposal well, a tank battery with an earthen containment berm, and a pump house and associated equipment. Additionally, an earthen berm surrounds the extent of the facility pad footprint. Historically, operations at the site were conducted within the full extent of the facility pad, however a reduction of operations at the site left the southern approximate half of the facility pad unused. Prior to the reporting of the incident detailed below, reclamation efforts to decommission and restore the southern portion of the pad were undertaken.

On August 16, 2021, an estimated release of 25 barrels of produced water was discovered on the northern portion of the well pad, originating from the injection line which ran from the pump house to the Roy SWD #3 injection well. Upon discovery, immediate actions were taken to halt the release of fluids and fluid recovery efforts were initiated. An emergency vacuum truck was dispatched to the location which successfully recovered approximately 20 bbls of the released fluids.

The observed impacted area was mapped via GPS on August 17, 2021, with it being noted to have remained within the pad boundary. Operations were immediately undertaken to begin excavating visually impacted soils, approximately six (6) inches to one (1) foot below grade surface (bgs), to minimize any further migration of contaminants. These soils were subsequently hauled to a NMOCD approved disposal facility. Due to the estimated volume released, a Major Release Notification was submitted to NMOCD through email within the required 24-hour period from time of discovery (NMOCD Incident # nAPP2123047534). This was followed by the C-141 on August 19, 2021 which was submitted as an Unknown volume released since there was not a metered or justifiable release volume calculation available.

EOG retained Ranger Environmental Services, Inc. (Ranger) to begin the remediation of this release as they were already conducting other remediation at the same location, on the southern half of the well pad and east of the well pad around a pipeline right-of-way (NMOCD Incident #nAPP2111046250). The August 16, 2021 release impacted an area which had previously undergone an EM Survey in June of 2021, as well as correlation soil sampling earlier that month on August 4th. Based on the EM Survey and soil analytical data from the soil sampling activities,

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it was predicted that the impacts could be as deep as 10 to 12 feet deep around the well head, within an area of approximately 50 feet by 50 feet. EOG's Production Department advised that the SWD was needed back into service as soon as possible because it was the primary takeaway source for wells in the area. With the EM Survey and soil analytical data, the decision was made to begin excavation activities between the injection well and pump house immediately after the failed injection line was removed to place the SWD back into service.

Based upon the recently completed site assessment activities and the results of the June 2021 EM survey, the soil impacts documented in the northern portion of the well pad appear to be related to both the August 16, 2021 release incident, as well as apparent historical impacts. With regard to the June 2021 EM survey, it should be noted that elevated conductivity readings were detected in various locations of the northern on-pad area including in the vicinity of the well head, and just south of the well head.

This site characterization report and remediation plan is intended to address both the August 16, 2021 release incident, as well as the apparent historical impacts in the northern on-pad area. The eastern off-pad and southern on-pad areas will be addressed under NMOCD Incident #nAPP2111046250. Attached is a "*Release Incident Coverage Area Map*" which illustrates the northern on-pad area to be addressed pursuant to NMOCD Incident # nAPP2123047534, and the eastern off-pad and southern on-pad areas to be addressed under NMOCD Incident # nAPP2123047534, and the eastern off-pad and southern on-pad areas to be addressed under NMOCD Incident # nAPP2111046250.

1.2 <u>Excavation and Injection Line Replacement</u>

Excavation activities around the injection well to remove the impacted soils between there and the pump house began on August 18, 2021. The initial outline for the activities was to excavate to the outside edges of what appeared to be historically impacted according to the EM Survey, to a depth of six (6) feet bgs on the outer edges and ten (10) feet bgs around the well head. Between August 18th and 24th, the contractor was able to excavate six (6) to eleven (11) feet bgs from the impacted area between the injection well and pump house. Ranger was then able to collect confirmation samples on August 24th which confirmed that the northern and western portions of the excavated area had achieved the Table 1 19.15.29.12 NMAC (groundwater ≤50 feet) criteria.

Where the release originated on the injection line, vertical delineation occurred with the sample point labeled TH-A. This area was sampled to a depth of twenty-three {23} feet bgs, at which point the soil chloride concentration had diminished to 3,300 mg/kg from a high of 6,900 mg/kg at eleven (11) feet bgs. Once it was determined that the area directly in the original path of the injection line was not going to meet the Table 1 19.15.29.12 NMAC (groundwater \leq 50 feet) criteria within 10'-12' bgs, the route of the new injection line was altered to the east. As this route altered, so did the soil investigative activities.

Soil samples were immediately collected along the new route for the injection line and it was determined that excavation would be needed along the route. These soils were excavated with confirmation sampling being conducted on September 21, 2021. Sidewall and bottom samples were below Table 1 19.15.29.12 NMAC (groundwater ≤50 feet) criteria for all samples collected, except for the west sidewall of the injection line trench, which would be excavated as the main excavation between the injection well and pump house was increased to the east.

An area of approximately seven (7) feet wide was left around the injection well as stabilization for the well and casing. To isolate this soil for future remediation activities from any clean backfill materials, a metal culvert was installed around the injection well to form a physical barrier to



protect from any cross contamination. The soils within the culvert will be addressed once the excavated area around the injection is backfilled, allowing for safe access.

1.3 Nov. 16, 2021 Characterization Plan Extension Request

An extension to the Characterization Plan due date was requested on November 16, 2021. At this point in the remediation process, it was already known that a core rig would be needed to complete full vertical delineation of the TH-A area. EOG was already in the process of getting a Master Service Agreement with a company which had the core rig capabilities to sample this site, as it had previously been used on a limited basis after failed attempts by another company. Due to previous failures during boring activities at the site with the normal core rig companies, as well as a restriction from the private surface owner barring the use of one of the primary companies in the area, EOG immediately began actions to bring on the new company as a vendor.

It was also recently learned prior to the extension request being filed, that the SWD was to be decommissioned and plugged. With the injection well plugged, it would increase the safety aspect of working so near to the injection well, and with the production equipment removed from the battery area, would allow for full delineation of that area simultaneously. However, these activities progressed slower than anticipated and have not yet been completed.

EOG has also begun negotiations with the private surface owner regarding core rig access and NMOSE permits to drill. As NMOCD is aware, NMOSE now requires an approved permit before a soil boring is progressed deeper than thirty (30) feet bgs. With the excavation still open to a depth of approximately eleven (11) feet bgs and the need for NMOSE permits, the core rig delineation could not be completed within the requested 30-day extension window and will be completed as a phase of the remediation plan.

1.4 Soil Disposal Activities

From August 20th through August 31st, 540 cubic yards of soil was hauled to disposal from the site. This mainly consisted of the initial soils excavated during the first week of activities. The soils were stockpiled on plastic within an impacted area to limit the truck activities while machinery excavation and other production related activities were being completed at the SWD. Once TH-A was determined to need a core rig for full delineation, and due to a lack of truck availability, it was early December before hauling activities reconvened. During the month of December, approximately 700 cubic yards of soil was hauled to disposal, bringing the total excavated and hauled soil volume to 1,240 cubic yards.

1.5 Feb. 14, 2022 Characterization Plan Extension Request

On February 14, 2022, EOG submitted to the NMOCD an additional Characterization Plan Extension Request. As summarized in EOG's extension request, horizontal delineation was needed south of the injection well towards the identified areas of the EM Survey labeled TH-4 and TH-5. The excavation wall on the south side was not delineated to the Table 1 19.15.29.12 NMAC (groundwater ≤50 feet) criteria.

Delineation activities were also still needed in the eastern portion of the release area. In summary, the additional delineation activities were needed before the remediation plan could be developed. At the time of the extension request, it was believed that an additional 30 days would provide enough time to complete the additional delineation activities and prepare the Site Characterization



report and proposed Remediation Plan. EOG therefore requested an extension until March 16, 2022 for the submission of this Site Characterization and Remediation Plan.

This report has been prepared in order to provide a full update on the activities completed to date in the northern on-pad area, as well as to propose additional assessment and remedial actions to address the observed conditions at the Site. A copy of the Form C-141 Release Notification, as well as the Site Assessment/Characterization and Remediation Plan sections of Form C-141, are attached.

A Topographic Map and Area Map noting the location of the subject property and surrounding areas, and multiple site maps illustrating the Site features, sampling locations, and proposed activities are provided in the Figures section.

2.0 SITE CHARACTERIZATION

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

To determine the depth-to-groundwater in the vicinity of the Site, data available from the U.S. Geological Survey (USGS) and the New Mexico Office of the State Engineer (NMOSE) was reviewed. Based upon the reviewed information, recent (<20-year-old) water well information within one half-mile of the site is not available.

Attachment 1 includes the area USGS and NMOSE water well data and locations. In the area ranging between approximately 0.7 - 2 miles from the subject site, the depth to water was reported as ranging from approximately 72' bgs to 265' bgs. The depth to water for the wells located closest to the subject site ranged between 72' – 97' bgs.

Since a significant watercourse is located within 300 feet of the subject site, the site release will be treated as if it occurred less than 50 feet to ground water. Since this will result in the usage of the most stringent site cleanup levels, Ranger believes that the available depth to groundwater data is satisfactory, and that the depth to groundwater can reasonably be assumed to be between 50'-100' bgs.

2.2 <u>Wellhead Protection Area</u>

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

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

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

2.3 <u>Distance to Nearest Significant Watercourse</u>

The closest significant watercourse, "Fourmile Draw" is located approximately 100 feet from the western facility pad boundary. Upon review of the National Wetland Inventory, "Fourmile Draw" is mapped as a wetland feature. The feature is classified as a R4SBJ, which is defined as a riverine, intermittent, streambed and intermittently flooded.



The presence of this significant watercourse located within 300 feet of the subject site will require the site release to be treated as if it occurred less than 50 feet to ground water in Table I of 19.15.29.12 NMAC.

2.4 <u>Closure Criteria</u>

Based upon the site characterization details (within 300' of a significant watercourse and a mapped wetland), and per NMAC 19.15.29.12, the Site will be remediated to the Table 1 19.15.29.12 NMAC (groundwater ≤50 feet) criteria, as well as the 19.15.29.13 NMAC Restoration, Reclamation and Re-Vegetation (Soils 0'-4') criteria. The proposed closure criteria are detailed below:

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

PROPOSED SITE CLOSURE CRITERIA

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

3.0 COMPLETED SITE EFFORTS

3.1 June 8, 2021 EM Survey

To assist in delineating the documented chloride impacts associated with the eastern off-pad area (NMOCD Incident # nAPP2111046250), Ranger conducted an electromagnetic (EM) survey at the site on June 8, 2021. The EM survey area encompassed the eastern off-pad area but was also extended to include the southern on-pad area and the southern approximate two-thirds of the northern on-pad area. Ranger utilized a Geonics EM-31DL Ground Conductivity Meter (GCM) to conduct the EM survey.

The Geonics EM-31DL GCM measures terrain conductivity and has an effective depth-ofexploration of approximately six meters (19.685 feet) bgs. During the site EM survey, GPS equipment was utilized to position the geophysical data collected for the project. After the data was acquired, geotechnical software was utilized to process the EM information utilizing a proprietary software package and the information was contoured using Golden Software's Surfer contouring and mapping program.

The attached EM Survey Map illustrates the results of the EM survey. As illustrated, elevated conductivity readings were detected in various locations of the northern on-pad area including in the vicinity of the well head, and just south of the well head.



Based on the observed EM survey data, additional assessment activities were conducted at the site in August 2021.

3.2 August 4, 2021 Site Assessment

On August 4, 2021, Ranger personnel and representatives for EOG returned to the Site to complete additional soil assessment activities. Based on the June 2021 EM survey data, five (5) excavation test holes (TH-1 thru TH-5) were completed in various locations across the northern facility pad. The test holes were strategically placed in both the areas documented to have the most elevated EM readings and in areas documented to contain low EM readings.

During the test hole installation process, the excavated soils were screened with an OVM and a field chloride titration kit to assist in evaluating the soil conditions and to determine appropriate sample locations and depths. The test hole excavation soils were screened at the surface and at one-foot intervals thereafter until reaching their terminal depths which ranged from 10'-15' bgs.

The field screening results were utilized to guide the depths of the test excavations and to determine appropriate soil sample locations. Soil samples were subsequently collected from each test excavation at the surface, the interval exhibiting the highest field chloride titration result, at total depth, and at other intervals to assist in the vertical delineation of apparent soil impacts. It should be noted that there were no elevated field OVM readings or other field indications of hydrocarbon impact (e.g. – staining, odor, etc.) noted during the test excavation installation process.

The soil samples collected for laboratory analysis were subsequently submitted to Hall Laboratory in Albuquerque, New Mexico for analysis of TPH using EPA Method 8015; 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.

The soil analytical results documented chloride concentrations ranging from nondetectable to a maximum of 1,500 mg/Kg in sample TH-4/4'. Chloride concentrations in excess of the site closure criteria were documented in test holes TH-1, TH-2, TH-4 and TH-5. The chloride exceedance in test excavation TH-1 (Sample ID TH-1/8': 620 mg/Kg chloride) only marginally exceeded the target closure criteria of 600 mg/Kg. The remainder of the soil chloride target concentration exceedances occurred in the test excavations that had been installed in the areas of elevated conductivity identified by the EM survey in the vicinity of the well head, and just south of the well head. In summary, the August 4, 2021 site assessment activities confirmed the results of the EM survey and documented that elevated chloride concentrations from historic/unknown releases were present in the northern on-pad area.

The attached "*Comprehensive Sample Location Map (Northern Pad Area)*" illustrates the locations of the August 4, 2021 test holes. The soil sample analytical results are summarized in the attached soil analytical tables. Copies of the laboratory analytical reports are also attached.

3.3 <u>August – September, 2021 Soil Excavation Activities</u>

Subsequent to the August 16, 2021 release incident (NMOCD Incident # nAPP2123047534), operations were immediately undertaken to begin excavating visually impacted soils, approximately six (6) inches to one (1) foot below grade surface (bgs), to minimize any further



migration of contaminants. These soils were subsequently hauled to a NMOCD approved disposal facility.

Based on the previously-completed EM Survey and August 4, 2021 assessment results, a decision was made to conduct additional excavation activities between the injection well and the pump house immediately after the failed injection line was removed to place the SWD back into service. These excavation activities were initiated on August 18, 2021. The initial outline for the activities was to excavate to the outside edges of what appeared to be historically impacted based upon the EM Survey. The excavation activities were completed to a depth of six (6) feet bgs on the outer edges and ten (10) feet bgs around the well head.

Between August 18th and 24th, excavation to depths of 6'-11' bgs was completed from the impacted area between the injection well and pump house. Ranger was then able to collect cleanup confirmation soil samples on August 24th which confirmed that the northern and western portions of the excavated area had met the site closure criteria. Details of this cleanup confirmation sampling event are provided in Section 3.4, below.

Where the release originated on the injection line, vertical delineation activities were conducted on August 25th with the installation and sampling of test excavation TH-A (details of this assessment activity are also provided in Section 3.4, below). This area was sampled to a depth of twenty-three (23) feet bgs, at which point the soil chloride concentration had diminished to 3,300 mg/kg from a high of 6,900 mg/kg at eleven (11) feet bgs.

Once it was determined that the area directly in the original path of the injection line was not going to meet the site closure criteria within 10'-12' bgs, the route of the new injection line was altered to the east. As this route altered, so did the soil investigative activities. As discussed in Section 3.4, below, samples were collected on August 26th and September 1st from three test excavations (TT-1 through TT-3) along the new route for the injection line and based upon these results it was determined that excavation would be needed along the route. These soils were excavated with confirmation sampling being conducted on September 21, 2021. The sidewall and bottom samples were below the site closure criteria except for the west sidewall of the injection line trench, which will be excavated as the main excavation between the injection well and pump house is increased to the east.

An area of approximately seven (7) feet wide was left around the injection well as stabilization for the well and casing. To isolate this soil for future remediation activities from any clean backfill materials, a metal culvert was installed around the injection well to form a physical barrier to protect from any cross contamination. The soils within the culvert will be addressed once the excavated area around the injection is backfilled, allowing for safe access.

From August 20th through August 31st, 540 cubic yards of soil was hauled to disposal from the site. This mainly consisted of the initial soils excavated during the first week of activities which had been stockpiled on plastic within an impacted area. During the month of December, approximately 700 additional cubic yards of soil was hauled to disposal, bringing the total excavated and hauled soil volume to 1,240 cubic yards.



3.4 August 24, 2021 – September 21, 2021 Site Assessment/Confirmation Sampling

3.4.1 August 24, 2021 Cleanup Confirmation Sampling Activities

As discussed above, based on the previously completed EM Survey and August 4, 2021 assessment results, a decision was made to conduct additional excavation activities between the injection well and the pump house immediately after the failed injection line was removed to place the SWD back into service. Between August 18th and 24th, excavation to depths of 6'-11' bgs was completed from the impacted area between the injection well and pump house.

During the performance of the excavation activities, Ranger field personnel utilized an OVM and field chloride titration kit to guide the excavation depths and boundaries. Upon completion of the excavation activities, it appeared based upon the field screening results that the northern and western portions of the excavated area had achieved the site closure criteria. The remainder of the area was determined to need additional assessment and/or remediation.

In order to confirm that the site closure criteria had been attained in the northern and western portions of the excavated area, Ranger conducted cleanup confirmation soil sampling activities in these areas on August 24, 2021. A total of six (6) soil samples were collected from the excavation floor (Sample ID's B-1 through B-6), and five (5) soil samples were collected from the excavation sidewalls (Sample ID's N-1, NW-1, W-1, SW-1 and SW-2). The cleanup confirmation soil samples were collected in accordance with NMAC 19.15.29.12, as five-part composite samples, with each sample representing no more than 200 square feet.

The soil samples collected for laboratory analysis were subsequently submitted to Hall Laboratory in Albuquerque, New Mexico for analysis of TPH using EPA Method 8015; 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.

The soil analytical results documented the attainment of the site closure criteria in the northern and western portions of this excavated area.

The attached "*Confirmation Sample Location Map*" illustrates the locations of the August 24, 2021 cleanup confirmation soil samples. The soil sample analytical results are summarized in the attached soil analytical tables. Copies of the laboratory analytical reports are also attached.

3.4.2 August 25, 2021 Vertical Delineation Activities

Where the release originated on the injection line, vertical delineation activities were conducted on August 25th with the installation and sampling of test excavation TH-A. As discussed above, this area had just been excavated to a depth of approximately 11' bgs. During the test hole installation process, the excavated soils were screened with an OVM and a field chloride titration kit to assist in evaluating the soil conditions and to determine appropriate sample locations and depths. The test hole excavation soils were screened at the surface (11' bgs) and at two-foot intervals thereafter until reaching the terminal depth of 23' bgs (which was the maximum test hole depth that was achievable with the on-site equipment).

The field screening results indicated that elevated chloride concentrations were present from 11' bgs to the test hole termination depth of 23' bgs. Low level OVM readings were also obtained while installing test hole TH-A, ranging from a maximum of 22 ppm_v at 19' bgs to a low of



approximately 3 ppm_v at the terminal depth of 23' bgs. Strong odor was detected from approximately 11'-19' bgs, with minimal odor noted beyond this depth. The soils at the terminal depth of 23' bgs exhibited black discoloration.

Since test hole TH-A could not be extended beyond 23' bgs, soil samples were collected at depths of 11' bgs, 15' bgs, 19' bgs and 23' bgs to confirm the soil conditions at this location. The soil samples collected for laboratory analysis were subsequently submitted to Hall Laboratory in Albuquerque, New Mexico for analysis of TPH using EPA Method 8015; 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.

The soil analytical results confirmed the field screening results and documented chloride exceedances of the site closure criteria in all four of the collected samples. The chloride concentrations ranged from a maximum of 6,900 mg/Kg at 11' bgs to a minimum of 3,300 mg/Kg at a depth of 23' bgs, thus signaling the need for a drilling rig to complete the vertical soil delineation at this location. It should be noted that no detectable BTEX or TPH concentrations were found in the TH-A soil samples.

The attached "*Confirmation Sample Location Map*" illustrates the location of test excavation TH-A. The soil sample analytical results are summarized in the attached soil analytical tables. Copies of the laboratory analytical reports are also attached.

3.4.2 August 26 – September 1, 2021 Assessment Activities

Once it was determined that the area directly in the original path of the injection line was not going to meet the site closure criteria within 10'-12' bgs, the route of the new injection line was altered to the east. Between August 26th and September 1st, three test excavations (TT-1 through TT-3) were completed along the new route for the injection line to document the in-situ soil conditions prior to excavating the soils along this route to allow for the new injection line installation.

During the test hole installation process, the excavated soils were screened with an OVM and a field chloride titration kit to assist in evaluating the soil conditions and to determine appropriate sample locations and depths. The test hole excavation soils were screened at the surface and at one-foot intervals thereafter until reaching their initial terminal depth of four (4) feet bgs. At the initial terminal depth of four (4) feet bgs, the field chloride titrations indicated that chloride concentrations ranged from 450 ppm in TT-1 to 600 ppm in TT-2 and TT-3. Soil samples were subsequently collected from each test excavation at the surface and at one-foot intervals thereafter until reaching terminal depth. There were no elevated field OVM readings or other field indications of hydrocarbon impact (e.g. – staining, odor, etc.) noted during the test excavation installation process.

The soil samples collected for laboratory analysis were subsequently submitted to Hall Laboratory in Albuquerque, New Mexico for analysis of TPH using EPA Method 8015; 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.

The soil analytical results documented elevated chloride concentrations in test holes TT-2 and TT-3. The terminal depth (4' bgs) samples collected from test holes TT-2 and TT-3 were documented to contain slight exceedances of the site closure criteria for chloride as both samples were documented to contain 650 mg/Kg chloride at this depth.



Based upon the initial soil analytical results, test holes TT-1 and TT-2 were subsequently deepened to six (6) feet bgs and additional soil samples were collected on September 1, 2021 at depths of five (5) feet and six (6) feet bgs and were analyzed similarly to the initial soil samples. Again, these results documented slight exceedances of the site closure criteria for chloride in the terminal depth samples with chloride concentrations ranging from 610 mg/Kg to 640 mg/Kg.

The attached "*Confirmation Sample Location Map*" illustrates the location of the excavation route for the new injection line that had been altered to the east of the wellhead location. Test excavations TT-1 through TT-3 were located within this area that was subsequently overexcavated, as discussed below. As such, their exact location within this excavation area is not illustrated. The soil sample analytical results are summarized in the attached soil analytical tables. Copies of the laboratory analytical reports are also attached.

Based upon the test hole TT-1 through TT-3 soil analytical results, it was determined that excavation would be needed along the new injection line route. As discussed above, these soils were subsequently excavated (to depths ranging from approximately 4'-10' bgs) and cleanup confirmation sampling was conducted on September 21, 2021. During the performance of the excavation activities, Ranger field personnel utilized an OVM and field chloride titration kit to guide the excavation depths and boundaries. Upon completion of the excavation activities, it appeared based upon the field screening results that the base and sidewalls of the excavated area had achieved the site closure criteria, with the exception of the west sidewall area which still showed minor elevated chloride concentrations up to 750 ppm.

In order to confirm the soil conditions within the excavated injection line trench area, Ranger conducted cleanup confirmation soil sampling activities on September 21, 2021. A total of three (3) soil samples were collected from the excavation floor (Sample ID's WH-1.A, PL-1.A and PH-1.A), and eight (8) soil samples were collected from the excavation sidewalls (Sample ID's PL-SW-1, PL-EW-1, PL-EW-2, PL-WW-1, PL-WW-2, PL-NW-E, PL-NW-W and PL-SW-N). The cleanup confirmation soil samples were collected in accordance with NMAC 19.15.29.12, as five-part composite samples, with each sample representing no more than 200 square feet.

The soil samples collected for laboratory analysis were subsequently submitted to Hall Laboratory in Albuquerque, New Mexico for analysis of TPH using EPA Method 8015; 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.

The soil analytical results were generally consistent with the field chloride titration results and documented the attainment of the site closure criteria in all samples except for the western sidewall samples PL-WW-1 and PL-WW-2 which were documented to contain chloride concentrations ranging from 640 – 820 mg/Kg, thus indicating the need for additional remediation to be conducted in the area between the western sidewall of the new injection line trench and the main excavated area surrounding the wellhead.

The attached "*Confirmation Sample Location Map*" illustrates the locations of the September 21, 2021 cleanup confirmation soil samples. The soil sample analytical results are summarized in the attached soil analytical tables. Copies of the laboratory analytical reports are also attached.



3.5 <u>February, 2022 Site Assessment</u>

In February 2022, Ranger personnel and representatives of EOG conducted four additional phases of assessment at the Site. Assessment activities were conducted on the 8th, 14th, 15th and 22nd. The goal of the assessment activities was to complete the horizontal delineation of the affected soils in the northern on-pad area, and to attempt to complete the vertical delineation of the affected soils to the extent practicable using test excavations. The assessment activities were intended to delineate the impacts associated with both the August 16, 2021 release incident, as well as the apparent historical impacts in the northern on-pad area.

The February 2022 assessment activities included the installation and sampling of test excavations TH-1 through TH-24, TH-26, TH-28 through TH-33, and sample locations ES-1 through ES-3. It should be noted that three additional test excavations were conducted in the southern on-pad area (TH-25, TH-27, and TH-34); however, the results for these test excavations will be reported separately under NMOCD Incident #nAPP2111046250.

During the test hole excavation process, Ranger personnel field screened the generated soils at the surface and at one-foot intervals thereafter until reaching terminal depth. The soils were screened with both an OVM and field chloride titration kit. The field screening results were used to guide the locations and depths of the test excavations, and to determine when the boundaries of the affected soils appeared to be adequately delineated. The test excavations were generally completed to depths where the field readings indicated that soil concentrations were within the site closure criteria. When conducting the horizontal delineation of the soil impacts, if the field readings indicated the presence of chloride concentrations in excess of the site closure criteria, then additional test excavations were completed moving horizontally outward from the areas of apparent affected soils.

In order to confirm the field screening results, soil samples were collected for laboratory analysis from each test hole location. The soil samples were generally collected from the intervals within each test hole which exhibited the greatest field indications of impact and at the terminal depths of the test holes. If there were no field indications of potential impact, then the soil samples were generally collected at or near the surface and at terminal depth. Upon collection, the soil samples were submitted to Hall Environmental Laboratory Inc. (Hall Laboratory) in Albuquerque, New Mexico for analysis of TPH using EPA Method 8015; 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.

The attached "*Comprehensive Sample Location Map (Northern Pad Area)*" illustrates the February 2022 test hole locations. The soil sample analytical results are summarized in the attached soil analytical tables. Copies of the laboratory analytical reports are also attached.

4.0 SITE ASSESSMENT SUMMARY

In summary, extensive assessment of the northern on-pad area has been completed. Chloride has been documented to be the primary constituent of concern (COC) at the Site. Minor TPH impacts in excess of the site closure criteria were documented in only two test hole locations (TH-11 and TH-13). The attached "*Proposed Remediation Map*" has been prepared to highlight the areas identified to be in exceedance of the 600 mg/Kg target chloride criteria and 100 mg/Kg target TPH (GRO+DRO+MRO) criteria that will require remediation. Test excavation locations which contained elevated chloride and/or TPH concentrations in excess of the site closure criteria



are denoted with a red center dot. Test excavation locations which contained COC concentrations below the site closure criteria are denoted with a black center dot. The approximate boundary of soils containing exceedances of the site closure criteria are denoted with a yellow contour line. The yellow contour line is solid where this boundary is believed to be reasonably well-defined and dashed where it has not been fully delineated.

As illustrated on the attached "*Proposed Remediation Map*," there are areas which still are not fully delineated through the installation and sampling of test excavations. However, based upon the EM survey results, these areas generally do not appear to be in excess of the site closure criteria. The full delineation of these areas is anticipated to be completed via the cleanup confirmation soil sampling activities that are proposed to be conducted in conjunction with the site remediation activities.

The vertical extent of the soil impacts at the site were unable to be completed via test excavations due to the depth limitations of the on-site machinery. The area of deepest vertical impact appears to be in the vicinity of test excavation TH-A where the release originated on the injection line. At a depth of 23' bgs, the soils from this test excavation were documented to contain 3,300 mg/Kg chloride. In test excavations TH-5 and TH-29, chloride concentrations of 9,000 mg/Kg and 2,000 mg/Kg were documented in the terminal depth samples collected at depths of 10' bgs and 15' bgs, respectively. Per 19.15.29.11(A)(5)(c), the vertical extent of the chloride impacts are required to be delineated to 600 mg/Kg.

5.0 PROPOSED ASSESSMENT AND REMEDIATION PLAN

5.1 Roy SWD #3 Facility Decommission, Injection Well Plugging, and Site Preparation

At this point in time, plans have changed and the SWD will not be placed back into service. Rather, EOG plans to decommission the injection well and facility. Due to the current open excavation at the site, the planned facility decommissioning, injection well plugging, and vertical soil delineation activities cannot be completed. The vertical soil delineation activities will then have to be completed prior to the performance of the final site remediation activities. Below is a phased plan to accomplish these tasks:

- 1) The current open excavation at the site will first need to be backfilled to allow for safe equipment access to conduct the facility decommissioning, injection well plugging, and vertical soil delineation activities. Prior to backfilling, the excavation base will be prepared and a geosynthetic clay liner (GCL) will be installed in the excavation base. Subsequent to the liner placement, the excavation will be backfilled with clean fill material to allow for a stable and safe base for the facility decommissioning, injection well plugging, and vertical soil delineation activities.
- 2) Once the open site excavation has been backfilled, then the facility decommissioning and injection well plugging activities can be initiated.
- 3) Once the open site excavation has been backfilled, then a drilling rig can be mobilized to the site to safely complete the vertical soil delineation activities.



4) Once the plugging/decommissioning and site assessment/vertical delineation activities have been completed, then the remainder of the needed site remediation activities can be conducted.

Details concerning the proposed vertical delineation and remedial activities are provided below.

5.2 <u>Proposed Vertical Delineation Activities</u>

Subsequent to the backfilling of the current open excavation, a drill rig will be mobilized to the site to conduct vertical soil delineation activities in an attempt to vertically delineate the extent of the soil chloride impacts to 600 mg/Kg. One soil boring will be installed in the immediate vicinity of the TH-A test excavation location, and an additional soil boring will be installed in the vicinity of the February 2022 test excavations TH-5 and TH-29.

During the installation of the proposed soil borings, Ranger field personnel will screen the encountered subsurface soils with an OVM and a field chloride titration kit. A minimum of two soil samples (and possibly more) will be collected from each soil boring for laboratory analysis of TPH using EPA Method 8015; BTEX using EPA Method 8021; and, total chloride using EPA Method 300. The soil samples will be collected from the interval within each boring exhibiting the highest field chloride concentration, and from the total depth of each boring. If either of the proposed soil borings are found to contain field indications of potential hydrocarbon impact such as staining, odor or elevated OVM readings, then additional samples will be collected as necessary and analyzed in order to evaluate these conditions.

Since the vertical soil delineation borings may extend beyond 30' bgs, a drilling permit will be obtained from the NMOSE prior to the initiation of the field activities. Ranger will also provide the NMOCD with a minimum 48-hour notice prior to conducting the proposed field activities.

5.3 <u>Remediation Plan – Northern On-Pad Area</u>

All remaining soils in the northern on-pad area which contain exceedances of the proposed site closure criteria and that are within the 0'-6' bgs depth interval will be excavated and disposed at an authorized off-site disposal facility. Some areas may be excavated deeper than 6' bgs depending upon the encountered site conditions. Any remaining soils below 6' bgs which contain exceedances of the site closure criteria are proposed to be covered with a geosynthetic clay liner (GCL) as a variance to NMAC 19.15.29.12. Prior to the liner placement, the excavation base will have to be prepared according to manufacturer's specifications. Subsequent to the liner placement, the excavation will be backfilled with clean fill material.

As discussed above, the remediation plan is not proposed to be implemented until the vertical soil delineation activities are completed. Based upon the results of the vertical soil delineation activities, if any modifications to the remediation plan are deemed necessary, then a remediation plan update will be prepared and submitted to the NMOCD.

The attached "*Proposed Remediation Map*" illustrates the approximate boundaries of the areas at the site which are in excess of the site closure criteria and require remediation. It should be noted that the boundaries of the proposed remediation area may be subject to change since the prior assessment activities did not fully delineate the horizontal extent of impacts. The proposed remediation area may potentially be expanded based upon the results of the proposed field screening and cleanup confirmation sampling activities. The proposed remediation area also



does not include any additional benching and shoring areas that may be necessary for safety reasons or as field conditions warrant.

During the performance of the site excavation activities, Ranger will utilize an OVM and field chloride titration kit to guide the excavation boundaries. Upon reaching excavation limits which appear to be within the site closure criteria, cleanup confirmation sampling activities will be conducted. Excavation sidewall samples are proposed to be collected in accordance with NMAC 19.15.29.12, as five-part composite samples, with each sample representing no more than 200 square feet. Since such extensive assessment has been completed at the site to date, Ranger proposes to collect the excavation base samples as five-part composite samples, with each cleanup confirmation soil sample collected for laboratory analysis will be analyzed for TPH using EPA Method 8015; BTEX using EPA Method 8021; and, total chloride using EPA Method 300.

Following placement of the GCL liner, the excavated areas will be backfilled to grade with clean fill material of similar type to that which was removed. The location will then be re-vegetated with the James H & Betty R Howell Revocable Trust Seed Mix.

Upon approval of the proposed work plan, the first phase of the proposed work plan will be implemented which will involve preparing the base of the current excavation for a liner, placement of the GCL liner, and then backfilling the excavation. It is anticipated that this initial work plan phase can be completed within 90 days of initiation.

At such point in time that the current excavation has been backfilled an updated schedule will be provided to the NMOCD. Additional schedule updates will continue to be provided to the NMOCD for the completion of the proposed remaining phases of the work plan.

6.0 **REPORTING**

Upon completion of the proposed vertical soil delineation activities, a Site Characterization Update will be provided to the NMOCD. This report will also include any updates or changes to the above proposed remediation plan if determined to be necessary based upon the vertical soil delineation results.

Upon completion of all proposed remediation activities, a C-141 Closure Report will be submitted to the NMOCD, and closure of this area will be requested. The Closure Report will be completed in accordance with the closure reporting criteria detailed in NMAC 19.15.29.12(E).



FORM C-141

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Samuel Palacios	Samuel Palacios	
Driver Name Connuclification Swamper UNIT/TRUCK # 27 Fr On Duty (575) 347-8714 Jason Mendoza Off Duty (575) 736-1047 Office (575) 736-7444 Fax	API # 30-015-26562 P. Artesia,	0. Box 234 N.M. 88211-0234
	neel Politikar 27 Trail start Time: E 1 Sev. D. #3 Ordered By:	S6732 Ind Time: Mick Felix Stom Gauge: CHARGE
Inkredible Form No. 5215-ID (Rev. 12/13)		TAX TOTAL

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	nAPP2123047534
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party EOG Resources, Inc.	OGRID 7377
Contact Name Chase Settle	Contact Telephone 575-748-1471
Contact email Chase_Settle@eogresources.com	Incident # (assigned by OCD) nAPP2123047534
Contact mailing address 104 S. 4th Street, Artesia, NM 88210	

Location of Release Source

Latitude 32.67059

Longitude -104.51773

(NAD 83 in decimal degrees to 5 decimal places)

Site Name Roy SWD #3	Site Type Well Pad
Date Release Discovered 08/16/2021	API# (if applicable) 30-015-26562

Unit Letter	Section	Township	Range	County
Р	7	19S	25E	Eddy

Surface Owner: State Federal Tribal Private (Name: Howell Revocable Trust

Nature and Volume of Release

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

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Oil Conservation Division

Incident ID	NAPP2123047534
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Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? Ves No	If YES, for what reason(s) does the responsible party consider this a major release? Estimated 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, by Miriam Morales, to Jim Griswold, Rob Hamlet, Mike Bratcher, on 08/17/2021 at 1:38 p.m. through email.		

Initial Response

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

 \checkmark The source of the release has been stopped.

 \checkmark The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

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

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

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

Printed Name: Chase Settle

Signature: Chan Settle

_{email:} Chase_Settle@eogresources.com

Date: 08/18/2021

Telephone: 575-748-1471

OCD Only

Received by: <u>Ramona Marcus</u>

Date: 8/20/2021

Oil Conservation Division

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Facility ID	
Application ID	

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Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	(ft bgs)
Did this release impact groundwater or surface water?	🗌 Yes 🗌 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🗌 Yes 🗌 No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	🗌 Yes 🗌 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🗌 No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	🗌 Yes 🗌 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	🗌 Yes 🗌 No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗌 Yes 🗌 No
Are the lateral extents of the release within 300 feet of a wetland?	🗌 Yes 🗌 No
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes 🗌 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🗌 No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🗌 No
Did the release impact areas 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 1/2-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.

Received by OCD: 3/16/	/2022 4:08:19 PM State of New Mexico			Page 23cof 3 23
			Incident ID	
Page 4	Oil Conservation Division		District RP	
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			Application ID	
regulations all operators public health or the envir failed to adequately inve addition, OCD acceptance and/or regulations. Printed Name: Signature:	information given above is true and complete to the are required to report and/or file certain release not ronment. The acceptance of a C-141 report by the estigate and remediate contamination that pose a thr ce of a C-141 report does not relieve the operator o	tifications and perform c OCD does not relieve th eat to groundwater, surf f responsibility for comp 	orrective actions for rele e operator of liability sh ace water, human health liance with any other fe	eases which may endanger ould their operations have or the environment. In deral, state, or local laws
OCD Only				
Received by:		Date:		

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Oil Conservation Division

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

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

Detailed description of proposed remediation technique Scaled sitemap with GPS coordinates showing delineation points Estimated volume of material to be remediated Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required) Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation. Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction. Extents of contamination must be fully delineated. Contamination does not cause an imminent risk to human health, the environment, or groundwater. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. Printed Name: Title: Signature: Date: Telephone: _____ email: OCD Only Received by: Date: Approved Approved with Attached Conditions of Approval Denied Deferral Approved Signature: Date:

Page 5

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Oil Conservation Division

Application ID

Closure

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

<u>Closure Report Attachment Checklist</u> : Each of the following	items must be included in the closure report.
A scaled site and sampling diagram as described in 19.15.29.	11 NMAC
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	s of the liner integrity if applicable (Note: appropriate OCD District office
Laboratory analyses of final sampling (Note: appropriate OD	C District office must be notified 2 days prior to final sampling)
Description of remediation activities	
and regulations all operators are required to report and/or file certa may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and re human health or the environment. In addition, OCD acceptance of	ations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in DCD when reclamation and re-vegetation are complete.
OCD Only	
Received by:	Date:
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible /or regulations.

Closure Approved by:	Date:
Printed Name:	Title:

District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462

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

CONDITIONS

Operator:	OGRID:
EOG RESOURCES INC	7377
P.O. Box 2267	Action Number:
Midland, TX 79702	43301
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rmarcus	None	8/20/2021

CONDITIONS

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Action 43301

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Oil Conservation Division

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Incident ID	nAPP2123045734
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Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>50-100</u> (ft bgs)
Did this release impact groundwater or surface water?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🛛 Yes 🗌 No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🛛 No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	🗌 Yes 🛛 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	🗌 Yes 🛛 No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a wetland?	🛛 Yes 🗌 No
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🛛 No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🛛 No
Did the release impact areas 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

Page 3

- \boxtimes Data table of soil contaminant concentration data
- \boxtimes Depth to water determination
- Determination of water sources and significant watercourses within ¹/₂-mile of the lateral extents of the release
- Boring or excavation logs
- \boxtimes Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

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

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				Incident ID	nAPP2123045734	
Page 4	Oil Conservation Division	Oil Conservation Division		District RP		
				Facility ID		
				Application ID		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. Printed Name: Chase Settle Title: Rep Safety & Environmental Sr Signature: Date: 03/16/2022 email: Chase_Settle@eogresources.com Telephone: 575-748-1471						
OCD Only						
Received by:		_ I	Date:			

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Oil Conservation Division

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

Incident ID	nAPP2123045734
District RP	
Facility ID	
Application ID	

Remediation Plan

Detailed description of proposed remediation technique Scaled sitemap with GPS coordinates showing delineation points Estimated volume of material to be remediated Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required) Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation. Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction. Extents of contamination must be fully delineated. Contamination does not cause an imminent risk to human health, the environment, or groundwater. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. Printed Name: Chase Settle Title: Rep Safety & Environmental Sr Signature: Chase Settle _____ Date: 03/16/2022 email: Chase Settle@eogresources.com Telephone: 575-748-1471 OCD Only Date: Received by: Approved with Attached Conditions of Approval Approved Denied Deferral Approved Signature: Date:

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FIGURES

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TABLES

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ASSESSMENT SOIL SAMPLE BTEX (EPA 8260), TPH (EPA 8015) & CHLORIDE (EPA 300) ANALYTICAL DATA ROY SWD #3

EDDY (COUNTY,	NEW M	EXICO
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				All valu	es presented	l 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)	CHLORIE
essment - August 4 , 2021 (N			10.005	10.040	-0.040	-0.000	-0.40		.0.7		.0.7		-00
TH-1/0'	8/4/2021	0'	< 0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<9.7	<48	<9.7	<48	<60
TH-1/8'	8/4/2021	8'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.8	<49	<9.8	<49	620
TH-1/15'	8/4/2021	15'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<9.9	<50	<9.9	<50	99
TH-2/0'	8/4/2021	0'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<9.9	<49	<9.9	<49	<60
TH-2/6'	8/4/2021	6'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<9.4	<47	<9.4	<47	1,400
TH-2/10'	8/4/2021	10'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<9.7	<49	<9.7	<49	620
TH-3/0'	8/4/2021	0'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.3	<47	<9.3	<47	<60
TH-3/5' TH-3/10'	8/4/2021 8/4/2021	5' 10'	<0.025 <0.025	<0.050 <0.050	<0.050 <0.050	<0.10 <0.10	<0.10 <0.10	<5.0 <5.0	<9.4 <9.9	<47 <49	<9.4 <9.9	<47 <49	<61 67
111-5/10	0/4/2021	10	~0.023	~0.000	~0.030	-0.10	×0.10	<5.0	<9.9	\49	<9.9	149	07
TH-4/0'	8/4/2021	0'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.8	<49	<9.8	<49	<60
TH-4/4'	8/4/2021	4'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<10	<50	<10	<50	1,500
TH-4/10'	8/4/2021	10'	<0.025	<0.050	< 0.050	< 0.099	<0.10	<5.0	<9.8	<49	<9.8	<49	160
TH-4/15'	8/4/2021	15'	<0.025	<0.050	< 0.050	<0.10	<0.10	<5.0	<9.7	<48	<9.7	<48	220
111-4/10	0/4/2021	15	-0.020	40.000	40.000	40.10	-0.10	~5.0	-5.1	~40	~5.1	~40	220
TH-5/0'	8/4/2021	0'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.5	<47	<9.5	<47	86
TH-5/5'	8/4/2021	5'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<9.3	<47	<9.3	<47	720
TH-5/10'	8/4/2021	10'	<0.025	<0.050	< 0.050	<0.10	<0.10	<5.0	<9.4	<47	<9.4	<47	260
TH-5/15'	8/4/2021	15'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<9.3	<46	<9.3	<46	180
sessment - August 25, 2021 TH-A/11'	8/25/2021	11'	<0.023	<0.047	<0.047	<0.094	<0.09	<4.7	<9.8	<49	<9.8	<49	6,900
TH-A/15'	8/25/2021	15'	<0.023	<0.047	<0.047	<0.094	<0.09	<4.7	<9.0	<49	<9.9	<49	
													5,600
TH-A/19' TH-A/23'	8/25/2021 8/25/2021	19' 23'	<0.024 <0.024	<0.049 <0.047	<0.049 <0.047	<0.098 <0.094	<0.10 <0.09	<4.9	<9.5 <9.5	<47 <48	<9.5 <9.5	<47 <48	6,800
TH-A/23	6/25/2021	23	<0.024	<0.047	<0.047	<0.094	<0.09	<4.7	<9.5	<40	<9.5	<48	3,300
sessment - February 8, 2022													
TH-1/0	2/8/2022	0'	<0.025	< 0.05	<0.05	<0.10	<0.10	<5.0	10	<49	10	10	8,200
TH-1/5	2/8/2022	5'	<0.025	<0.05	<0.05	<0.10	<0.10	<5.0	<9.5	<48	<9.5	<48	640
TH-2/0	2/8/2022	0'	<0.025	<0.05	<0.05	<0.10	<0.10	<5.0	<9.8	<49	<9.8	<49	14,00
TH-2/2	2/8/2022	2'	<0.025	<0.05	<0.05	<0.10	<0.10	<5.0	<9.6	<48	<9.6	<48	2,000
TH-3/3	2/8/2022	3'	<0.025	<0.05	<0.05	<0.10	<0.10	<5.0	<9.8	<49	<9.8	<49	5,200
TH-3/10	2/8/2022	10'	<0.025	< 0.05	<0.05	<0.10	<0.10	<5.0	<9.9	<50	<9.9	<50	680
TH-4/0	2/8/2022	0'	<0.025	<0.05	<0.05	<0.10	<0.10	<5.0	<9.5	<48	<9.5	<9.5	19,00
TH-4/4	2/8/2022	4'	<0.025	<0.05	<0.05	<0.10	<0.10	<5.0	<9.8	<49	<9.8	<49	860
TH-5/4	2/8/2022	4'	<0.025	< 0.05	<0.05	<0.10	<0.10	<5.0	<9.3	<46	<9.3	<46	2 900
TH-5/4 TH-5/10	2/8/2022	4	<0.025	<0.05	<0.05	<0.10	<0.10	<5.0	<9.3	<46 <48	< 9.5	<46	2,800 9,000
111-0/10	210/2022	10	-0.020	40.00	-0.00	40.10	40.10	~5.0	~3.0	~40	~3.0	~40	3,000
TH-6/0	2/8/2022	0'	<0.025	<0.05	<0.05	<0.10	<0.10	<5.0	<9.8	<49	<9.8	<49	1,200
TH-6/2	2/8/2022	2'	<0.025	<0.05	<0.05	<0.10	<0.10	<5.0	<9.9	<49	<9.9	<49	<60
TH-7/0 TH-7/2	2/8/2022 2/8/2022	0' 2'	<0.025 <0.025	<0.05 <0.05	<0.05 <0.05	<0.10 <0.10	<0.10	<5.0 <5.0	<10 <10	<50 <50	<10 <10	<50 <50	170 420
111-174	LIVIZUZZ	2	-0.020	-0.00	-0.00	-0.10	-0.10	~3.0	~10	~30	~10	~30	420
TH-8/0	2/8/2022	0'	<0.025	<0.05	<0.05	<0.10	<0.10	<5.0	<10	<50	<10	<50	540
TH-8/2	2/8/2022	2'	<0.025	<0.05	<0.05	<0.10	<0.10	<5.0	<9.8	<49	<9.8	<49	1,700
essment - February 14, 2022 TH-9/1	2/14/2022	1'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<9.0	<45	<9.0	<45	<60
TH-9/4	2/14/2022	4'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.8	<9.9	<49	<9.9	<49	<60
			·					·				· · · · · · ·	
TH-10/0	2/14/2022	0'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<10	<50	<10	<50	3,300
TH-10/4	2/14/2022	4'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.7	<48	<9.7	<48	230
TH-11/5	2/14/2022	5'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	150	330	150	480	3,200
TH-11/8	2/14/2022	8'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.6	<48	<9.6	<48	1,200
TH-12/0	2/14/2022	0'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	88	<49	88	88	160
TH-12/4	2/14/2022	4'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<9.7	<49	<9.7	<49	65
TH-13/0	2/14/2022	C'	<0.024	<0.047	<0.047	<0.094	<0.09	<4.7	23	85	23	108	222
1 - 13/0		0' 4'	<0.024 <0.024	<0.047 <0.048	<0.047	<0.094	<0.09	<4./ <4.8	23 <9.7	85 <49	23 <9.7	108 <49	220 89
TH-13/4	2/14/2022												00
TH-13/4	2/14/2022	4	0.021	-0.010									
TH-13/4 TH-14/0 TH-14/2	2/14/2022 2/14/2022 2/14/2022	4 0' 2'	<0.025 <0.025	<0.050 <0.050	<0.050 <0.050	<0.10 <0.099	<0.10 <0.10	<5.0 <5.0	<9.8 <9.9	<49 <49	<9.8 <9.9	<49 <49	99

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						DY SWD #3 INTY, NEW M	EXICO						
		_	-	All valu	es presented	d in parts per	million (mg/	'Kg)					
SAMPLE ID	DATE	DEPTH (FT)	BENZENE	TOLUENE	ETHYL- BENZENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C6-C10	TPH DRO C10-C28	TPH MRO C28-C36	TPH (GRO+DRO)	TPH (GRO+DRO+ MRO)	CHLORID
TH-15/0	2/14/2022	0'	< 0.023	< 0.046	< 0.046	<0.093	< 0.09	<4.6	<9.9	<49	<9.9	<49	8,300
TH-15/2	2/14/2022	2'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<9.4	<47	<9.4	<47	620
TH-16/0	2/14/2022	0'	<0.024	< 0.049	<0.049	< 0.097	<0.10	<4.9	<9.9	<49	<9.9	<49	100
TH-16/2	2/14/2022	2'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.8	<49	<9.8	<49	<60
TH-17/0	2/14/2022	0'	<0.024 <0.023	< 0.048	< 0.048	<0.097	<0.10	<4.8 <4.7	< 9.3	<47 <45	< 9.3	<47 <45	610
TH-17/2	2/14/2022	2'	<0.023	<0.047	<0.047	<0.093	<0.09	<4.7	<9.0	<45	<9.0	<45	490
TH-18/0	2/14/2022	0'	<0.023	<0.047	<0.047	<0.093	<0.09	<4.7	<10	<47	<10	<50	7,600
TH-18/3	2/14/2022	3'	<0.023	<0.047	<0.047	<0.094	<0.09	<4.7	<10	<50	<10	<50	920
TH 40/4	2/4 4/2022		-0.005	40.050	-0.050	-0.000	10.10	-5.0	-0.0	-10	-0.0	- 110	
TH-19/4 TH-19/8	2/14/2022 2/14/2022	4' 8'	<0.025 <0.024	<0.050 <0.048	<0.050 <0.048	<0.099 <0.095	<0.10 <0.10	<5.0 <4.8	<9.8 <9.8	<49 <49	<9.8 <9.8	<49 <49	1,600 700
111-10/0	2/14/2022	0	-0.024	-0.0+0	-0.0+0	-0.000	-0.10	-+.0	40.0	-+0	45.0	-45	700
TH-20/2	2/14/2022	2'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<10.0	<50	<10	<50	2,000
TH-20/4	2/14/2022	4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.7	<49	<9.7	<49	990
TH-21/0	2/14/2022	C'	<0.023	<0.046	<0.046	<0.093	<0.09	<4.6	10	<49	10	10	0.000
TH-21/0 TH-21/4	2/14/2022	0' 4'	<0.023	<0.046	<0.046	<0.093	<0.09	<4.0	<9.6	<49	<9.6	<48	2,300 830
		-											000
Assessment - February 15, 20													
TH-22/3	2/15/2022	3'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	<9.9	<49	<9.9	<49	4,900
TH-22/12	2/15/2022	12'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.8	<49	<9.8	<49	720
TH-23/5	2/15/2022	5'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<10	<50	<10	<50	4,200
TH-23/10	2/15/2022	10'	<0.025	<0.049	<0.049	< 0.098	<0.10	<4.9	<10	<50	<10	<50	620
TH-24/1	2/15/2022	1'	<0.024	<0.048	<0.048	< 0.095	<0.10	<4.8	<9.8	<49	<9.8	<49	<60
TH-24/4	2/15/2022	4'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.3	<46	<9.3	<46	320
TH-26/5	2/15/2022	5'	<0.023	<0.047	<0.047	<0.094	<0.09	<4.7	<9.5	<47	<9.5	<47	1.300
TH-26/8	2/15/2022	8'	<0.024	<0.048	<0.048	< 0.096	<0.10	<4.8	<9.7	<49	<9.7	<49	620
TH-27/1	2/15/2022	1'	<0.025	< 0.049	< 0.049	< 0.099	<0.10	<4.9	<9.6	<48	<9.6	<48	<60
TH-27/4	2/15/2022	4'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.6	<48	<9.6	<48	<59
TH-28/1	2/15/2022	1'	<0.024	<0.048	<0.048	< 0.097	<0.10	<4.8	<9.9	<50	<9.9	<50	<60
TH-28/4	2/15/2022	4'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.7	<48	<9.7	<48	<60
Assessment - February 22, 20								1 1 4					
TH-29/10' TH-29/15'	2/22/2022 2/22/2022	10' 15'	<0.024 <0.025	<0.048 <0.049	<0.048 <0.049	<0.096 <0.099	<0.10 <0.10	<4.8 <4.9	<9.3 <9.2	<46 <46	<9.3 <9.2	<46 <46	2,400
111-29/13	2/22/2022	15	<0.025	< 0.049	<0.049	<0.099	<0.10	\$4.9	<9.Z	\40	~9.2	\40	2,000
TH-30/2'	2/22/2022	2'	<0.025	< 0.049	<0.049	<0.098	<0.10	<4.9	<9.9	<50	<9.9	<50	<60
TH-30/5'	2/22/2022	5'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<8.7	<44	<8.7	<44	<59
TH-31/5' TH-31/7'	2/22/2022 2/22/2022	5' 7'	<0.024 <0.025	<0.049 <0.049	<0.049 <0.049	<0.097 <0.099	<0.10 <0.10	<4.9 <4.9	<9.7 <9.5	<49 <48	<9.7 <9.5	<49 <48	510
11-51/1	LILLILULL	1	-0.020	-0.048	-0.048	-0.039	-0.10	-4.8	~0.0	~40	-0.0	~40	520
TH-32/5'	2/22/2022	5'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.7	<49	<9.7	<49	2,000
TH-32/14'	2/22/2022	14'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<9.2	<46	<9.2	<46	430
TH 00/01	0/00/00000		10 00 1	10 0 10	-0.010	-0.007	10 10		-0.1				
TH-33/8' TH-33/10'	2/22/2022 2/22/2022	8' 10'	<0.024 <0.025	<0.049 <0.049	<0.049 <0.049	<0.097 <0.098	<0.10	<4.9 <4.9	<9.4 <9.6	<47 <48	<9.4 <9.6	<47 <48	620 330
	2,22/2022	10	0.020	0.040	0.040	0.000	-0.10		-5.0	. 10	-5.0	. 10	330
TH-34/0'	2/22/2022	0'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<9.9	<49	<9.9	<49	890
TH-34/1'	2/22/2022	1'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	22	65	22	87	1,600
EQ 1/01	2/22/2022		<0.10	<0.04	<0.04	<0.40	<0.40	-04	40	-10	40	40	
ES-1/0' ES-1/1'	2/22/2022 2/22/2022	0' 1'	<0.12 <0.12	<0.24 <0.24	<0.24 <0.24	<0.48 <0.48	<0.48	<24 <24	40 <9.7	<46 <48	40 <24	40 <48	210 <60
20.00	2,22/2022	<u> </u>	-0.12		-9.27	.0.40	0.70	-27	-5.1	. 10	-27	. 10	NO
ES-2/0'	2/22/2022	0'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.6	<48	<9.6	<48	170
ES-2/1'	2/22/2022	1'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<9.3	<46	<9.3	<46	<60
E0 2/21	0/00/0000		10 00 1	10 0 10	-0.010	-0.000	10 10		-0.0				
ES-3/0' ES-3/1'	2/22/2022 2/22/2022	0' 1'	<0.024 <0.023	<0.049 <0.047	<0.049 <0.047	<0.098 <0.094	<0.10 <0.09	<4.9 <4.7	<8.6 <9.2	<43 <46	<8.6 <9.2	<43 <46	<60
L0-0/1	LILLILULL	I I	~0.023	~0.047	<u>>0.047</u>	<u>∽0.094</u>	~0.08	~4.1	~J.Z	~+0	~J.Z	~40	<60
5.29.12 NMAC Table 1 Closure	Criteria for Soils	Impacted by	40									400	~~~
a Release (G			10				50					100	600
19.15.29.13 NMAC Red													

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

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

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

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SOIL BTEX (EPA 8260), TPH (EPA 8015) & CHLORIDE (EPA 300) ANALYTICAL DATA - NEW INJECTION LINE ROUTE Roy SWD #3

EDDY COUNTY, N	EW MEXICO
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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)	CHLORID
nch Soil Samples													
TT-1/0'	8/26/2021	0'	<0.018	<0.036	<0.036	<0.071	<0.07	<3.6	<9.5	<47	<9.5	<47	540
TT-1/1'	8/26/2021	1'	<0.018	<0.035	<0.035	<0.070	<0.07	<3.5	<9.7	<49	<9.7	<49	600
TT-1/2'	8/26/2021	2'	<0.014	<0.029	<0.029	<0.057	<0.06	<2.9	<9.1	<45	<9.1	<45	560
TT-1/3'	8/26/2021	3'	<0.020	<0.040	<0.040	<0.079	<0.08	<4.0	<9.0	<45	<9.0	<45	460
TT-1/4'	8/26/2021	4'	<0.016	<0.033	<0.033	<0.066	<0.07	<3.3	<9.4	<47	<9.4	<47	430
TT-2/0'	8/26/2021	0'	<0.017	<0.034	<0.034	<0.068	<0.07	<3.4	<9.8	<49	<9.8	<49	480
TT-2/1'	8/26/2021	1'	<0.015	< 0.030	< 0.030	< 0.059	<0.06	<3.0	<9.4	<47	<9.4	<47	380
TT-2/2'	8/26/2021	2'	<0.021	<0.042	<0.042	<0.084	<0.08	<4.2	<9.8	<49	<9.8	<49	720
TT-2/3'	8/26/2021	3'	<0.014	<0.028	<0.028	<0.055	<0.06	<2.8	<10	<50	<10	<50	570
TT-2/4'	8/26/2021	4'	<0.018	< 0.036	< 0.036	< 0.073	<0.07	<3.6	<9.5	<47	<9.5	<47	650
TT-2/5'	9/1/2021	5'											630
TT-2/6'	9/1/2021	6'											640
TT-3/0'	8/26/2021	0'	<0.018	<0.036	<0.036	<0.072	<0.07	<3.6	<9.2	<46	<9.2	<46	2,600
TT-3/1'	8/26/2021	1'	<0.023	<0.046	<0.046	<0.092	<0.09	<4.6	<9.2	<46	<9.2	<46	1,400
TT-3/2'	8/26/2021	2'	<0.018	<0.037	< 0.037	<0.073	<0.07	<3.7	<10	<50	<10	<50	740
TT-3/3'	8/26/2021	3'	<0.020	<0.041	<0.041	<0.081	<0.08	<4.1	<9.0	<45	<9.0	<45	750
TT-3/4'	8/26/2021	4'	<0.019	< 0.037	< 0.037	<0.075	<0.07	<3.7	<9.8	<49	<9.8	<49	650
TT-3/5'	9/1/2021	5'											650
TT-3/6'	9/1/2021	6'											610
	e (GW <50')		10				50					100	600
	Reclamation Criteria bils Only)		10 ³				50 ³					100 ³	600

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

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

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

4. NA - Not Analyzed

						OY SWD #3 JNTY, NEW M	EXICO						
					LDD1 000		LAIGO						
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)	CHLO
ist 24, 2021 Confirmation Soil	Samples											· ·	
B-1	8/24/2021	6'	<0.016	<0.033	<0.033	<0.065	<0.07	<3.3	<9.7	<48	<9.7	<48	37
B-2	8/24/2021	6'	<0.018	<0.036	<0.036	<0.072	<0.07	<3.6	<9.3	<46	<9.3	<46	28
B-3	8/24/2021	6'	<0.018	<0.037	<0.037	<0.074	<0.07	<3.7	<9.9	<49	<9.9	<49	45
B-4	8/24/2021	6'-10'	<0.026	<0.053	<0.053	<0.11	<0.11	<5.3	<9.5	<47	<9.5	<47	48
B-5	8/24/2021	6'-11'	<0.028	<0.057	<0.057	<0.11	<0.11	<5.7	<10	<50	<10	<50	35
B-6	8/24/2021	11'	<0.021	<0.041	<0.041	<0.083	<0.08	<4.1	<9.7	<49	<9.7	<49	36
N-1	8/24/2021	0'-6'	<0.019	<0.038	<0.038	<0.077	<0.08	<3.8	<9.6	<48	<9.6	<48	43
NW-1	8/24/2021	0'-6'	<0.024	<0.047	<0.047	<0.094	<0.09	<4.7	<9.8	<49	<9.8	<49	27
W-1	8/24/2021	0'-10'	<0.019	<0.038	<0.038	<0.076	<0.08	<3.8	<9.6	<48	<9.6	<48	37
SW-1	8/24/2021	0'-11'	<0.020	<0.040	<0.040	<0.080	<0.08	<4.0	<9.6	<48	<9.6	<48	41
SW-2	8/24/2021	0'-11'	<0.021	<0.042	<0.042	<0.084	<0.08	<4.2	<9.6	<48	<9.6	<48	54
vation Trench Floor Samples													
WH-1.A	9/21/2021	8'-10'	<0.020	<0.040	<0.040	<0.081	<0.08	<4.0	<9.8	<49	<9.8	<49	42
PL-1.A	9/21/2021	8'	<0.019	<0.038	<0.038	<0.076	<0.08	<3.8	<9.6	<48	<9.6	<48	50
PH-1.A	9/21/2021	4'	<0.021	<0.041	<0.041	<0.082	<0.08	<4.1	<10	<50	<10	<50	17
vation Trench Wall Samples												_	
PL-SW-1	9/21/2021	0'-10'	<0.019	<0.037	<0.037	<0.074	<0.07	<3.7	<9.5	<47	<9.5	<47	51
PL-EW-1	9/21/2021	0'-9'	<0.019	<0.037	<0.037	<0.074	<0.07	<3.7	<10	<50	<10	<50	52
PL-EW-2	9/21/2021	0'-8'	<0.020	<0.039	<0.039	<0.078	<0.08	<3.9	<9.7	<48	<9.7	<48	46
PL-WW-1	9/21/2021	0'-10'	<0.020	<0.040	<0.040	<0.080	<0.08	<4.0	<9.7	<48	<9.7	<48	82
PL-WW-2	9/21/2021	0'-8'	<0.020	<0.041	<0.041	<0.081	<0.08	<4.1	<9.4	<47	<9.4	<47	64
PL-NW-E	9/21/2021	0'-4'	<0.019	<0.037	<0.037	<0.075	<0.07	<3.7	<9.3	<46	<9.3	<46	49
PL-NW-W	9/21/2021	0'-4'	<0.018	<0.035	<0.035	<0.071	<0.07	<3.5	<9.7	<49	<9.7	<49	<6
PL-SW-N	9/21/2021	0'-4'	<0.020	<0.040	<0.040	<0.080	<0.08	<4.0	<9.8	<49	<9.8	<49	19
5.29.12 NMAC Table 1 Closure a Release (0		mpacted by	10				50					100	60
19.15.29.13 NMAC Re (0'-4' Soils)			10 ³				50 ³					100 ³	60

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

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

Received by OCD: 3/16/2022 4:08:19 PM

ATTACHMENT 1

USGS AND NMOSE WATER WELL DATA



District Boundary SiteBoundaries

Estates

Esri HERE iPC

New Mexico Office of the State Engineer Point of Diversion Summary

		· .	(quarters are 1=NW 2=NE 3=SW 4=SE (quarters are smallest to largest)) (NAD83 UTM in meters)			
Well Tag POD	Number	Q64 Q	16 Q4	Sec	Tws	Rng	Х	Y			
RA (06418	1 2	2 3	17	19S	25E	545925	3613710*			
Driller License:	406	Driller C	Compai	ıy:	TID	WELL,	CLYDE J.				
Driller Name:											
Drill Start Date:	12/11/1978	Drill Fin	ish Da	te:	12	/18/197	8 P I	ug Date:			
Log File Date:	12/26/1978	PCW Rc	v Date	:			So	urce:	Shallow		
Pump Type:		Pipe Dise	charge	Size	:		Es	timated Yield	:		
Casing Size:	7.00	Depth W	ell:		12	0 feet	De	epth Water:	72 feet		
Wate	er Bearing Strati	fications:	То	рE	ottom	Descri	ption				
			7	2	75	Shallo	w Alluviur	n/Basin Fill			
			10	6	112	Shallo	w Alluviur	n/Basin Fill			
	Casing Per	forations:	То	рE	ottom						
			5	1	109						

*UTM location was derived from PLSS - see Help

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

10/8/21 12:23 PM

POINT OF DIVERSION SUMMARY

New Mexico Office of the State Engineer **Point of Diversion Summary** (quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) (NAD83 UTM in meters) Well Tag **POD** Number Q64 Q16 Q4 Sec Tws Rng Х Y RA 04426 4 3 18 19S 25E 544412 3613201* **Driller License: Driller Company: Driller Name:** PETERS **Drill Start Date: Drill Finish Date: Plug Date:** Log File Date: PCW Rcv Date: Source: Pump Type: **Pipe Discharge Size: Estimated Yield:**

715 feet

*UTM location was derived from PLSS - see Help

7.00

Casing Size:

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

Depth Well:

10/8/21 1:05 PM

POINT OF DIVERSION SUMMARY

Depth Water:





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Important: <u>Next Generation Monitoring Location Page</u>

Search Results -- 1 sites found

site_no list =

• 323948104302801

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 323948104302801 19S.25E.17.321212

Groundwater: Field measurements V GO

Eddy County, New Mexico Hydrologic Unit Code 13060011

Latitude 32°39'48", Longitude 104°30'28" NAD27

Land-surface elevation 3,526 feet above NAVD88

This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats





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

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site_no list =

• 323948104302901

Minimum number of levels = 1

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USGS 323948104302901 19S.25E.17.321211

Groundwater: Field measurements V GO

Eddy County, New Mexico Hydrologic Unit Code 13060011 Latitude 32°39'48", Longitude 104°30'29" NAD27 Land-surface elevation 3,528 feet above NAVD88 The depth of the well is 120 feet below land surface. This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer. This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.





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site_no list =

• 324004104285801

Minimum number of levels = 1

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USGS 324004104285801 19S.25E.16.22332

Groundwater: Field measurements V GO

Eddy County, New Mexico Hydrologic Unit Code 13060011 Latitude 32°40'04", Longitude 104°28'58" NAD27 Land-surface elevation 3,487 feet above NAVD88

This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats



<u>Tab-separated data</u>

<u>Graph of data</u>

Reselect period



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site_no list =

• 324024104322201

Minimum number of levels = 1

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USGS 324024104322201 19S.24E.12.413200

Groundwater: Field measurements V GO

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





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Search Results -- 1 sites found

site_no list =

• 324041104294801

Minimum number of levels = 1

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USGS 324041104294801 19S.25E.08.42222

Groundwater: Field measurements V GO

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





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ATTACHMENT 2

NM ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT ACTIVE MINES MAP

Active Mines in New Mexico



52

Aggregate, Stone etc.

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Department of Defense

ATTACHMENT 3

PHOTOGRAPHIC DOCUMENTATION



PHOTOGRAPH NO. 1 – A view of excavation area in the vicinity of the wellhead/release location during the August 2021 remediation and assessment activities. The view is towards the west.

(Approximate GPS: 32.670539, -104.517542)



PHOTOGRAPH NO. 2 – A view of the remediated western portion of the excavation area in the vicinity of the wellhead/release location. The view is towards the north. (Approximate GPS: 32.670548, -104.517753)



PHOTOGRAPH NO. 3 – A view of the assessment activities at sample location "TH-A" on August 25, 2021. The view is towards the southwest. (Approximate GPS: 32.670694, -104.517693)



PHOTOGRAPH NO. 4 – A view of the trenching activities completed for the new injection line to the wellhead. The view is towards the north. (Approximate GPS: 32.670518, -104.517644)



PHOTOGRAPH NO. 5 – A general view of the assessment activities during February 2022. The view is towards the east.

(Approximate GPS: 32.670783, -104.517443)

ATTACHMENT 4

LABORATORY ANALYTICAL REPORTS



August 18, 2021 Will Kierdorf EOG 105 South Fourth Street Artesia, NM 88210 TEL: FAX Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

OrderNo.: 2108365

RE: Roy SWD 3

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 32 sample(s) on 8/7/2021 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

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

	Hall	Environmenta	l Analysis	Laboratory.	Inc.
--	------	--------------	------------	-------------	------

Lab Order 2108365

Date Reported: 8/18/2021

CLIENT: EOG		Cl	ient Sample II	D: TH	I-1/0'	
Project: Roy SWD 3		(Collection Dat	e: 8/4	4/2021 7:35:00 AM	
Lab ID: 2108365-001	Matrix: SOIL		Received Dat	e: 8/7	7/2021 9:10:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	VP
Chloride	ND	60	mg/Kg	20	8/12/2021 12:08:43 AM	61909
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	8/10/2021 11:10:08 PM	61835
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	8/10/2021 11:10:08 PM	61835
Surr: DNOP	101	70-130	%Rec	1	8/10/2021 11:10:08 PM	61835
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	8/9/2021 8:48:06 PM	61829
Surr: BFB	105	70-130	%Rec	1	8/9/2021 8:48:06 PM	61829
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.025	mg/Kg	1	8/9/2021 8:48:06 PM	61829
Toluene	ND	0.049	mg/Kg	1	8/9/2021 8:48:06 PM	61829
Ethylbenzene	ND	0.049	mg/Kg	1	8/9/2021 8:48:06 PM	61829
Xylenes, Total	ND	0.098	mg/Kg	1	8/9/2021 8:48:06 PM	61829
Surr: 4-Bromofluorobenzene	106	70-130	%Rec	1	8/9/2021 8:48:06 PM	61829

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

Qualifiers:

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

- Analyte detected in the associated Method Blank В
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 1 of 37

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2108365

Date Reported: 8/18/2021

CLIENT: EOG		Cl	ient Sample I	D: TH	H-1/8'	
Project: Roy SWD 3		(Collection Dat	e: 8/4	4/2021 7:55:00 AM	
Lab ID: 2108365-002	Matrix: SOIL		Received Dat	e: 8/7	7/2021 9:10:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analysi	: VP
Chloride	620	60	mg/Kg	20	8/12/2021 12:21:07 AN	61909
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	8/10/2021 11:34:14 PN	61835
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	8/10/2021 11:34:14 PN	61835
Surr: DNOP	95.7	70-130	%Rec	1	8/10/2021 11:34:14 PN	61835
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	8/9/2021 9:11:51 PM	61829
Surr: BFB	104	70-130	%Rec	1	8/9/2021 9:11:51 PM	61829
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	8/9/2021 9:11:51 PM	61829
Toluene	ND	0.049	mg/Kg	1	8/9/2021 9:11:51 PM	61829
Ethylbenzene	ND	0.049	mg/Kg	1	8/9/2021 9:11:51 PM	61829
Xylenes, Total	ND	0.099	mg/Kg	1	8/9/2021 9:11:51 PM	61829
Surr: 4-Bromofluorobenzene	105	70-130	%Rec	1	8/9/2021 9:11:51 PM	61829

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

Qualifiers:

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range RL Reporting Limit
- Page 2 of 37

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2108365

Date Reported: 8/18/2021

CLIENT: EOG		Cl	ient Sample I	D: TH	H-1/15'	
Project: Roy SWD 3		(Collection Dat	e: 8/4	4/2021 8:19:00 AM	
Lab ID: 2108365-003	Matrix: SOIL		Received Dat	e: 8/7	7/2021 9:10:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	99	60	mg/Kg	20	8/12/2021 12:33:32 AM	61909
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	8/10/2021 11:58:21 PM	61835
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	8/10/2021 11:58:21 PM	61835
Surr: DNOP	93.1	70-130	%Rec	1	8/10/2021 11:58:21 PM	61835
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	8/9/2021 9:35:26 PM	61829
Surr: BFB	104	70-130	%Rec	1	8/9/2021 9:35:26 PM	61829
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	8/9/2021 9:35:26 PM	61829
Toluene	ND	0.049	mg/Kg	1	8/9/2021 9:35:26 PM	61829
Ethylbenzene	ND	0.049	mg/Kg	1	8/9/2021 9:35:26 PM	61829
Xylenes, Total	ND	0.097	mg/Kg	1	8/9/2021 9:35:26 PM	61829
Surr: 4-Bromofluorobenzene	106	70-130	%Rec	1	8/9/2021 9:35:26 PM	61829

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

Qualifiers:

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

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2108365

Date Reported: 8/18/2021

CLIENT: EOG		Cl	ient Sample II	D: TH	H-2/0'	
Project: Roy SWD 3		(Collection Dat	e: 8/4	4/2021 9:45:00 AM	
Lab ID: 2108365-004	Matrix: SOIL		Received Dat	e: 8/7	7/2021 9:10:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	VP
Chloride	ND	60	mg/Kg	20	8/12/2021 1:10:44 AM	61909
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	8/10/2021 5:41:58 PM	61835
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	8/10/2021 5:41:58 PM	61835
Surr: DNOP	102	70-130	%Rec	1	8/10/2021 5:41:58 PM	61835
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	8/9/2021 9:59:01 PM	61829
Surr: BFB	105	70-130	%Rec	1	8/9/2021 9:59:01 PM	61829
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.025	mg/Kg	1	8/9/2021 9:59:01 PM	61829
Toluene	ND	0.049	mg/Kg	1	8/9/2021 9:59:01 PM	61829
Ethylbenzene	ND	0.049	mg/Kg	1	8/9/2021 9:59:01 PM	61829
Xylenes, Total	ND	0.098	mg/Kg	1	8/9/2021 9:59:01 PM	61829
Surr: 4-Bromofluorobenzene	106	70-130	%Rec	1	8/9/2021 9:59:01 PM	61829

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

Qualifiers:

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2108365

Date Reported: 8/18/2021

CLIENT: EOG		Cl	ient Sample I	D: TH	I-2/6'	
Project: Roy SWD 3		(Collection Dat	e: 8/4	/2021 9:52:00 AM	
Lab ID: 2108365-005	Matrix: SOIL		Received Dat	e: 8/7	7/2021 9:10:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	1400	60	mg/Kg	20	8/12/2021 1:23:09 AM	61909
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	8/11/2021 1:10:29 AM	61837
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	8/11/2021 1:10:29 AM	61837
Surr: DNOP	96.8	70-130	%Rec	1	8/11/2021 1:10:29 AM	61837
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	8/9/2021 10:22:32 PM	61829
Surr: BFB	103	70-130	%Rec	1	8/9/2021 10:22:32 PM	61829
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.024	mg/Kg	1	8/9/2021 10:22:32 PM	61829
Toluene	ND	0.049	mg/Kg	1	8/9/2021 10:22:32 PM	61829
Ethylbenzene	ND	0.049	mg/Kg	1	8/9/2021 10:22:32 PM	61829
Xylenes, Total	ND	0.097	mg/Kg	1	8/9/2021 10:22:32 PM	61829
Surr: 4-Bromofluorobenzene	103	70-130	%Rec	1	8/9/2021 10:22:32 PM	61829

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

Qualifiers:

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Lab Order 2108365

Date Reported: 8/18/2021

CLIENT: EOG		Cl	ient Sample I	D: TH	I-2/10'	
Project: Roy SWD 3		(Collection Dat	e: 8/4	/2021 9:57:00 AM	
Lab ID: 2108365-006	Matrix: SOIL		Received Dat	e: 8/7	//2021 9:10:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analysi	: VP
Chloride	620	60	mg/Kg	20	8/12/2021 1:35:33 AM	61909
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	8/11/2021 2:22:29 AM	61837
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	8/11/2021 2:22:29 AM	61837
Surr: DNOP	96.5	70-130	%Rec	1	8/11/2021 2:22:29 AM	61837
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	8/9/2021 10:46:10 PM	61829
Surr: BFB	103	70-130	%Rec	1	8/9/2021 10:46:10 PM	61829
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	8/9/2021 10:46:10 PM	61829
Toluene	ND	0.049	mg/Kg	1	8/9/2021 10:46:10 PM	61829
Ethylbenzene	ND	0.049	mg/Kg	1	8/9/2021 10:46:10 PM	61829
Xylenes, Total	ND	0.098	mg/Kg	1	8/9/2021 10:46:10 PM	61829
Surr: 4-Bromofluorobenzene	104	70-130	%Rec	1	8/9/2021 10:46:10 PM	61829

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

Qualifiers:

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits Sample pH Not In Range
- Р
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2108365

Date Reported: 8/18/2021

CLIENT: EOG		Cl	ient Sample II	D: TH	I-3/0'	
Project: Roy SWD 3		(Collection Dat	e: 8/4	/2021 9:57:00 AM	
Lab ID: 2108365-007	Matrix: SOIL		Received Dat	e: 8/7	//2021 9:10:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	ND	60	mg/Kg	20	8/12/2021 1:47:57 AM	61909
EPA METHOD 8015M/D: DIESEL RANGI	E ORGANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	8/11/2021 2:46:33 AM	61837
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	8/11/2021 2:46:33 AM	61837
Surr: DNOP	99.2	70-130	%Rec	1	8/11/2021 2:46:33 AM	61837
EPA METHOD 8015D: GASOLINE RANG	E				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	8/9/2021 11:56:48 PM	61829
Surr: BFB	102	70-130	%Rec	1	8/9/2021 11:56:48 PM	61829
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	8/9/2021 11:56:48 PM	61829
Toluene	ND	0.048	mg/Kg	1	8/9/2021 11:56:48 PM	61829
Ethylbenzene	ND	0.048	mg/Kg	1	8/9/2021 11:56:48 PM	61829
Xylenes, Total	ND	0.097	mg/Kg	1	8/9/2021 11:56:48 PM	61829
Surr: 4-Bromofluorobenzene	104	70-130	%Rec	1	8/9/2021 11:56:48 PM	61829

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

Qualifiers:

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

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2108365

Date Reported: 8/18/2021

CLIENT: EOG		Cl	ient Sample II	D: TH	I-3/5'	
Project: Roy SWD 3		(Collection Dat	e: 8/4	/2021 10:22:00 AM	
Lab ID: 2108365-008	Matrix: SOIL		Received Dat	e: 8/7	7/2021 9:10:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	ND	61	mg/Kg	20	8/12/2021 2:00:22 AM	61909
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	8/11/2021 3:10:33 AM	61837
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	8/11/2021 3:10:33 AM	61837
Surr: DNOP	98.6	70-130	%Rec	1	8/11/2021 3:10:33 AM	61837
EPA METHOD 8015D: GASOLINE RANGE	1				Analyst	NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	8/10/2021 12:20:18 AM	61829
Surr: BFB	104	70-130	%Rec	1	8/10/2021 12:20:18 AM	61829
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.025	mg/Kg	1	8/10/2021 12:20:18 AM	61829
Toluene	ND	0.050	mg/Kg	1	8/10/2021 12:20:18 AM	61829
Ethylbenzene	ND	0.050	mg/Kg	1	8/10/2021 12:20:18 AM	61829
Xylenes, Total	ND	0.10	mg/Kg	1	8/10/2021 12:20:18 AM	61829
Surr: 4-Bromofluorobenzene	105	70-130	%Rec	1	8/10/2021 12:20:18 AM	61829

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

Qualifiers:

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range RL Reporting Limit
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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2108365

Date Reported: 8/18/2021

CLIENT: EOG		Cl	ient Sample II): TH	I-3/10'	
Project: Roy SWD 3		(Collection Dat	e: 8/4	/2021 10:35:00 AM	
Lab ID: 2108365-009	Matrix: SOIL		Received Dat	e: 8/7	7/2021 9:10:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	67	60	mg/Kg	20	8/12/2021 2:12:46 AM	61909
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	8/11/2021 3:34:29 AM	61837
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	8/11/2021 3:34:29 AM	61837
Surr: DNOP	97.7	70-130	%Rec	1	8/11/2021 3:34:29 AM	61837
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	8/10/2021 12:43:50 AM	61829
Surr: BFB	102	70-130	%Rec	1	8/10/2021 12:43:50 AM	61829
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	8/10/2021 12:43:50 AM	61829
Toluene	ND	0.050	mg/Kg	1	8/10/2021 12:43:50 AM	61829
Ethylbenzene	ND	0.050	mg/Kg	1	8/10/2021 12:43:50 AM	61829
Xylenes, Total	ND	0.10	mg/Kg	1	8/10/2021 12:43:50 AM	61829
Surr: 4-Bromofluorobenzene	104	70-130	%Rec	1	8/10/2021 12:43:50 AM	61829

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

Qualifiers:

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2108365

Date Reported: 8/18/2021

CLIENT: EOG		Cl	ient Sample II	D: TH	I-4/0'	
Project: Roy SWD 3		(Collection Dat	e: 8 /4	/2021 8:24:00 AM	
Lab ID: 2108365-010	Matrix: SOIL		Received Dat	e: 8/7	//2021 9:10:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	ND	60	mg/Kg	20	8/12/2021 2:25:11 AM	61909
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	8/11/2021 3:58:26 AM	61837
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	8/11/2021 3:58:26 AM	61837
Surr: DNOP	99.1	70-130	%Rec	1	8/11/2021 3:58:26 AM	61837
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	8/10/2021 1:07:21 AM	61829
Surr: BFB	102	70-130	%Rec	1	8/10/2021 1:07:21 AM	61829
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	8/10/2021 1:07:21 AM	61829
Toluene	ND	0.049	mg/Kg	1	8/10/2021 1:07:21 AM	61829
Ethylbenzene	ND	0.049	mg/Kg	1	8/10/2021 1:07:21 AM	61829
Xylenes, Total	ND	0.099	mg/Kg	1	8/10/2021 1:07:21 AM	61829
Surr: 4-Bromofluorobenzene	104	70-130	%Rec	1	8/10/2021 1:07:21 AM	61829

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

Qualifiers:

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2108365

Date Reported: 8/18/2021

CLIENT: EOG		Cl	ient Sample I	D: TH	I-4/4'	
Project: Roy SWD 3		(Collection Dat	e: 8/4	4/2021 8:32:00 AM	
Lab ID: 2108365-011	Matrix: SOIL		Received Dat	e: 8/7	7/2021 9:10:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	1500	59	mg/Kg	20	8/12/2021 2:37:35 AM	61909
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	8/11/2021 4:22:20 AM	61837
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	8/11/2021 4:22:20 AM	61837
Surr: DNOP	79.7	70-130	%Rec	1	8/11/2021 4:22:20 AM	61837
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	8/10/2021 1:30:56 AM	61829
Surr: BFB	104	70-130	%Rec	1	8/10/2021 1:30:56 AM	61829
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	8/10/2021 1:30:56 AM	61829
Toluene	ND	0.048	mg/Kg	1	8/10/2021 1:30:56 AM	61829
Ethylbenzene	ND	0.048	mg/Kg	1	8/10/2021 1:30:56 AM	61829
Xylenes, Total	ND	0.097	mg/Kg	1	8/10/2021 1:30:56 AM	61829
Surr: 4-Bromofluorobenzene	105	70-130	%Rec	1	8/10/2021 1:30:56 AM	61829

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

Qualifiers:

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits Р Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2108365

Date Reported: 8/18/2021

CLIENT: EOG		Cl	ient Sample II	D: TH	I-4/10'	
Project: Roy SWD 3		(Collection Dat	e: 8/4	/2021 8:44:00 AM	
Lab ID: 2108365-012	Matrix: SOIL		Received Dat	e: 8/7	//2021 9:10:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	160	60	mg/Kg	20	8/12/2021 2:49:59 AM	61909
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	8/11/2021 4:46:16 AM	61837
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	8/11/2021 4:46:16 AM	61837
Surr: DNOP	96.2	70-130	%Rec	1	8/11/2021 4:46:16 AM	61837
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	8/10/2021 1:54:24 AM	61829
Surr: BFB	102	70-130	%Rec	1	8/10/2021 1:54:24 AM	61829
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	8/10/2021 1:54:24 AM	61829
Toluene	ND	0.050	mg/Kg	1	8/10/2021 1:54:24 AM	61829
Ethylbenzene	ND	0.050	mg/Kg	1	8/10/2021 1:54:24 AM	61829
Xylenes, Total	ND	0.099	mg/Kg	1	8/10/2021 1:54:24 AM	61829
Surr: 4-Bromofluorobenzene	104	70-130	%Rec	1	8/10/2021 1:54:24 AM	61829

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

Qualifiers:

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

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range

RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.	Hall	Environ	nental An	alvsis L	aboratory.	Inc.
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Lab Order 2108365

Date Reported: 8/18/2021

CLIENT: EOG		Cl	ient Sample II	D: TH	H-4/15'	
Project: Roy SWD 3		(Collection Dat	e: 8/4	4/2021 9:00:00 AM	
Lab ID: 2108365-013	Matrix: SOIL		Received Dat	e: 8/7	7/2021 9:10:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	220	60	mg/Kg	20	8/12/2021 3:02:23 AM	61909
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	8/11/2021 5:10:10 AM	61837
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	8/11/2021 5:10:10 AM	61837
Surr: DNOP	104	70-130	%Rec	1	8/11/2021 5:10:10 AM	61837
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	8/10/2021 2:17:51 AM	61829
Surr: BFB	101	70-130	%Rec	1	8/10/2021 2:17:51 AM	61829
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	8/10/2021 2:17:51 AM	61829
Toluene	ND	0.050	mg/Kg	1	8/10/2021 2:17:51 AM	61829
Ethylbenzene	ND	0.050	mg/Kg	1	8/10/2021 2:17:51 AM	61829
Xylenes, Total	ND	0.10	mg/Kg	1	8/10/2021 2:17:51 AM	61829
Surr: 4-Bromofluorobenzene	104	70-130	%Rec	1	8/10/2021 2:17:51 AM	61829

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

Qualifiers:

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits Sample pH Not In Range
- Р RL
 - Reporting Limit

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Lab Order 2108365

Date Reported: 8/18/2021

CLIENT: EOG	Client Sample ID: TH-5/0'								
Project: Roy SWD 3		(Collect	ion Dat	e: 8/4	4/2021 9:05:00 AM			
Lab ID: 2108365-014	Matrix: SOIL		Received Date: 8/7/2021 9:10:00 AM						
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS						Analyst	: VP		
Chloride	86	60		mg/Kg	20	8/12/2021 2:44:59 PM	61932		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	: SB		
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	8/11/2021 5:33:50 AM	61837		
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/11/2021 5:33:50 AM	61837		
Surr: DNOP	69.9	70-130	S	%Rec	1	8/11/2021 5:33:50 AM	61837		
EPA METHOD 8015D: GASOLINE RANGE						Analyst	: NSB		
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/10/2021 2:41:22 AM	61829		
Surr: BFB	102	70-130		%Rec	1	8/10/2021 2:41:22 AM	61829		
EPA METHOD 8021B: VOLATILES						Analyst	: NSB		
Benzene	ND	0.025		mg/Kg	1	8/10/2021 2:41:22 AM	61829		
Toluene	ND	0.050		mg/Kg	1	8/10/2021 2:41:22 AM	61829		
Ethylbenzene	ND	0.050		mg/Kg	1	8/10/2021 2:41:22 AM	61829		
Xylenes, Total	ND	0.10		mg/Kg	1	8/10/2021 2:41:22 AM	61829		
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	8/10/2021 2:41:22 AM	61829		

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

Qualifiers:

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2108365

Date Reported: 8/18/2021

CLIENT: EOG	Client Sample ID: TH-5/5'						
Project: Roy SWD 3		(Collection Dat	e: 8/4	/2021 9:09:00 AM		
Lab ID: 2108365-015	Matrix: SOIL		Received Dat	e: 8/7	7/2021 9:10:00 AM		
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	: VP	
Chloride	720	60	mg/Kg	20	8/12/2021 2:57:22 PM	61932	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: SB	
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	8/11/2021 5:57:23 AM	61837	
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	8/11/2021 5:57:23 AM	61837	
Surr: DNOP	96.5	70-130	%Rec	1	8/11/2021 5:57:23 AM	61837	
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB	
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	8/10/2021 3:04:52 AM	61829	
Surr: BFB	103	70-130	%Rec	1	8/10/2021 3:04:52 AM	61829	
EPA METHOD 8021B: VOLATILES					Analyst	: NSB	
Benzene	ND	0.025	mg/Kg	1	8/10/2021 3:04:52 AM	61829	
Toluene	ND	0.050	mg/Kg	1	8/10/2021 3:04:52 AM	61829	
Ethylbenzene	ND	0.050	mg/Kg	1	8/10/2021 3:04:52 AM	61829	
Xylenes, Total	ND	0.099	mg/Kg	1	8/10/2021 3:04:52 AM	61829	
Surr: 4-Bromofluorobenzene	106	70-130	%Rec	1	8/10/2021 3:04:52 AM	61829	

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

Qualifiers:

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range RL
 - Reporting Limit

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Hall	Enviro	nmental	Anal	vsis]	Labor	atory.	Inc.
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Lab Order 2108365

Date Reported: 8/18/2021

CLIENT: EOG	Client Sample ID: TH-5/10' Collection Date: 8/4/2021 9:20:00 AM Matrix: SOIL Received Date: 8/7/2021 9:10:00 AM						
Project: Roy SWD 3							
Lab ID: 2108365-016							
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	: VP	
Chloride	260	60	mg/Kg	20	8/12/2021 3:09:42 PM	61932	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB	
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	8/11/2021 6:20:51 AM	61837	
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	8/11/2021 6:20:51 AM	61837	
Surr: DNOP	99.4	70-130	%Rec	1	8/11/2021 6:20:51 AM	61837	
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB	
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	8/10/2021 3:28:23 AM	61829	
Surr: BFB	102	70-130	%Rec	1	8/10/2021 3:28:23 AM	61829	
EPA METHOD 8021B: VOLATILES					Analyst	: NSB	
Benzene	ND	0.025	mg/Kg	1	8/10/2021 3:28:23 AM	61829	
Toluene	ND	0.050	mg/Kg	1	8/10/2021 3:28:23 AM	61829	
Ethylbenzene	ND	0.050	mg/Kg	1	8/10/2021 3:28:23 AM	61829	
Xylenes, Total	ND	0.10	mg/Kg	1	8/10/2021 3:28:23 AM	61829	
Surr: 4-Bromofluorobenzene	103	70-130	%Rec	1	8/10/2021 3:28:23 AM	61829	

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

Qualifiers:

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits Sample pH Not In Range
- Р RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2108365

Date Reported: 8/18/2021

CLIENT: EOG	Client Sample ID: TH-5/15'					
Project: Roy SWD 3		(Collection Dat	e: 8/4	4/2021 9:40:00 AM	
Lab ID: 2108365-017	Matrix: SOIL		Received Dat	e: 8/7	7/2021 9:10:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	180	60	mg/Kg	20	8/12/2021 3:46:48 PM	61932
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	8/11/2021 6:44:18 AM	61837
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	8/11/2021 6:44:18 AM	61837
Surr: DNOP	91.9	70-130	%Rec	1	8/11/2021 6:44:18 AM	61837
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	8/10/2021 12:09:35 PM	61831
Surr: BFB	105	70-130	%Rec	1	8/10/2021 12:09:35 PM	61831
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.025	mg/Kg	1	8/10/2021 12:09:35 PM	61831
Toluene	ND	0.050	mg/Kg	1	8/10/2021 12:09:35 PM	61831
Ethylbenzene	ND	0.050	mg/Kg	1	8/10/2021 12:09:35 PM	61831
Xylenes, Total	ND	0.099	mg/Kg	1	8/10/2021 12:09:35 PM	61831
Surr: 4-Bromofluorobenzene	106	70-130	%Rec	1	8/10/2021 12:09:35 PM	61831

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

Qualifiers:

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

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2108365

Date Reported: 8/18/2021

CLIENT: EOG	Client Sample ID: TH-6/0'						
Project: Roy SWD 3		(Collection Da	te: 8 /4	4/2021 1:25:00 PM		
Lab ID: 2108365-018	Matrix: SOIL		Received Da	te: 8/7	7/2021 9:10:00 AM		
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analysi	: VP	
Chloride	1200	60	mg/Kg	20	8/12/2021 3:59:09 PM	61932	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: SB	
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	8/11/2021 7:31:09 AM	61837	
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	8/11/2021 7:31:09 AM	61837	
Surr: DNOP	90.7	70-130	%Rec	1	8/11/2021 7:31:09 AM	61837	
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA	
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	8/10/2021 1:20:22 PM	61831	
Surr: BFB	107	70-130	%Rec	1	8/10/2021 1:20:22 PM	61831	
EPA METHOD 8021B: VOLATILES					Analyst	: RAA	
Benzene	ND	0.025	mg/Kg	1	8/10/2021 1:20:22 PM	61831	
Toluene	ND	0.050	mg/Kg	1	8/10/2021 1:20:22 PM	61831	
Ethylbenzene	ND	0.050	mg/Kg	1	8/10/2021 1:20:22 PM	61831	
Xylenes, Total	ND	0.10	mg/Kg	1	8/10/2021 1:20:22 PM	61831	
Surr: 4-Bromofluorobenzene	108	70-130	%Rec	1	8/10/2021 1:20:22 PM	61831	

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

Qualifiers:

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits Р Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2108365

Date Reported: 8/18/2021

CLIENT: EOG	Client Sample ID: TH-6/1'						
Project: Roy SWD 3		(Collection Dat	e: 8/4	4/2021 1:27:00 PM		
Lab ID: 2108365-019	Matrix: SOIL		Received Dat	e: 8/7	7/2021 9:10:00 AM		
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	MRA	
Chloride	2700	150	mg/Kg	50	8/13/2021 6:49:21 PM	61932	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: SB	
Diesel Range Organics (DRO)	23	9.6	mg/Kg	1	8/11/2021 7:54:37 AM	61837	
Motor Oil Range Organics (MRO)	94	48	mg/Kg	1	8/11/2021 7:54:37 AM	61837	
Surr: DNOP	98.1	70-130	%Rec	1	8/11/2021 7:54:37 AM	61837	
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA	
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	8/10/2021 2:31:17 PM	61831	
Surr: BFB	108	70-130	%Rec	1	8/10/2021 2:31:17 PM	61831	
EPA METHOD 8021B: VOLATILES					Analyst	RAA	
Benzene	ND	0.025	mg/Kg	1	8/10/2021 2:31:17 PM	61831	
Toluene	ND	0.049	mg/Kg	1	8/10/2021 2:31:17 PM	61831	
Ethylbenzene	ND	0.049	mg/Kg	1	8/10/2021 2:31:17 PM	61831	
Xylenes, Total	ND	0.099	mg/Kg	1	8/10/2021 2:31:17 PM	61831	
Surr: 4-Bromofluorobenzene	109	70-130	%Rec	1	8/10/2021 2:31:17 PM	61831	

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

Qualifiers:

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2108365

Date Reported: 8/18/2021

CLIENT: EOG	Client Sample ID: TH-7/0'					
Project: Roy SWD 3		(Collection Dat	e: 8/4	4/2021 1:07:00 PM	
Lab ID: 2108365-020	Matrix: SOIL Received Date: 8/7/2021 9:10:					
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	2200	59	mg/Kg	20	8/12/2021 4:23:53 PM	61932
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	8/11/2021 8:18:13 AM	61837
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	8/11/2021 8:18:13 AM	61837
Surr: DNOP	99.5	70-130	%Rec	1	8/11/2021 8:18:13 AM	61837
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	8/10/2021 2:55:02 PM	61831
Surr: BFB	109	70-130	%Rec	1	8/10/2021 2:55:02 PM	61831
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Benzene	ND	0.025	mg/Kg	1	8/10/2021 2:55:02 PM	61831
Toluene	ND	0.049	mg/Kg	1	8/10/2021 2:55:02 PM	61831
Ethylbenzene	ND	0.049	mg/Kg	1	8/10/2021 2:55:02 PM	61831
Xylenes, Total	ND	0.099	mg/Kg	1	8/10/2021 2:55:02 PM	61831
Surr: 4-Bromofluorobenzene	110	70-130	%Rec	1	8/10/2021 2:55:02 PM	61831

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

Qualifiers:

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2108365

Date Reported: 8/18/2021

CLIENT: EOG	Client Sample ID: TH-7/1.5'					
Project: Roy SWD 3		(Collection Dat	e: 8/4	/2021 1:10:00 PM	
Lab ID: 2108365-021	Matrix: SOIL		Received Dat	e: 8/7	7/2021 9:10:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	530	60	mg/Kg	20	8/12/2021 4:36:15 PM	61932
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	8/11/2021 8:41:47 AM	61837
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	8/11/2021 8:41:47 AM	61837
Surr: DNOP	92.9	70-130	%Rec	1	8/11/2021 8:41:47 AM	61837
EPA METHOD 8015D: GASOLINE RANGE	1				Analyst	RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	8/10/2021 4:29:50 PM	61831
Surr: BFB	108	70-130	%Rec	1	8/10/2021 4:29:50 PM	61831
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Benzene	ND	0.025	mg/Kg	1	8/10/2021 4:29:50 PM	61831
Toluene	ND	0.050	mg/Kg	1	8/10/2021 4:29:50 PM	61831
Ethylbenzene	ND	0.050	mg/Kg	1	8/10/2021 4:29:50 PM	61831
Xylenes, Total	ND	0.099	mg/Kg	1	8/10/2021 4:29:50 PM	61831
Surr: 4-Bromofluorobenzene	109	70-130	%Rec	1	8/10/2021 4:29:50 PM	61831

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

Qualifiers:

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range RL
 - Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2108365

Date Reported: 8/18/2021

CLIENT: EOG		Cl	ient Sample II	D: TH	H-8/0'	
Project: Roy SWD 3		(Collection Dat	e: 8/4	4/2021 1:15:00 PM	
Lab ID: 2108365-022	Matrix: SOIL		Received Dat	e: 8/7	7/2021 9:10:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	VP
Chloride	ND	59	mg/Kg	20	8/12/2021 4:48:40 PM	61932
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst:	SB
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	8/11/2021 9:05:23 AM	61837
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	8/11/2021 9:05:23 AM	61837
Surr: DNOP	88.3	70-130	%Rec	1	8/11/2021 9:05:23 AM	61837
EPA METHOD 8015D: GASOLINE RANGE					Analyst:	RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	8/10/2021 4:53:36 PM	61831
Surr: BFB	108	70-130	%Rec	1	8/10/2021 4:53:36 PM	61831
EPA METHOD 8021B: VOLATILES					Analyst:	RAA
Benzene	ND	0.024	mg/Kg	1	8/10/2021 4:53:36 PM	61831
Toluene	ND	0.049	mg/Kg	1	8/10/2021 4:53:36 PM	61831
Ethylbenzene	ND	0.049	mg/Kg	1	8/10/2021 4:53:36 PM	61831
Xylenes, Total	ND	0.097	mg/Kg	1	8/10/2021 4:53:36 PM	61831
Surr: 4-Bromofluorobenzene	108	70-130	%Rec	1	8/10/2021 4:53:36 PM	61831

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

Qualifiers:

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2108365

Date Reported: 8/18/2021

CLIENT: EOG		Cl	ient Sample II	D: TH	I-8/9'	
Project: Roy SWD 3		(Collection Dat	e: 8/4	4/2021 1:19:00 PM	
Lab ID: 2108365-023	Matrix: SOIL		Received Dat	e: 8/7	7/2021 9:10:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	120	60	mg/Kg	20	8/12/2021 5:01:01 PM	61932
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	8/11/2021 9:28:56 AM	61837
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	8/11/2021 9:28:56 AM	61837
Surr: DNOP	95.4	70-130	%Rec	1	8/11/2021 9:28:56 AM	61837
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	8/10/2021 5:17:18 PM	61831
Surr: BFB	108	70-130	%Rec	1	8/10/2021 5:17:18 PM	61831
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Benzene	ND	0.025	mg/Kg	1	8/10/2021 5:17:18 PM	61831
Toluene	ND	0.049	mg/Kg	1	8/10/2021 5:17:18 PM	61831
Ethylbenzene	ND	0.049	mg/Kg	1	8/10/2021 5:17:18 PM	61831
Xylenes, Total	ND	0.098	mg/Kg	1	8/10/2021 5:17:18 PM	61831
Surr: 4-Bromofluorobenzene	109	70-130	%Rec	1	8/10/2021 5:17:18 PM	61831

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

Qualifiers:

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits Sample pH Not In Range
- Р RL Reporting Limit
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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2108365

Date Reported: 8/18/2021

CLIENT: EOG	Client Sample ID: TH-9/0'					
Project: Roy SWD 3		(Collection Dat	e: 8/4	4/2021 1:32:00 PM	
Lab ID: 2108365-024	Matrix: SOIL		Received Dat	e: 8/7	7/2021 9:10:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analysi	: VP
Chloride	ND	61	mg/Kg	20	8/12/2021 5:13:23 PM	61932
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	8/11/2021 9:52:31 AM	61837
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	8/11/2021 9:52:31 AM	61837
Surr: DNOP	96.3	70-130	%Rec	1	8/11/2021 9:52:31 AM	61837
EPA METHOD 8015D: GASOLINE RANGE	I				Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	8/10/2021 5:41:01 PM	61831
Surr: BFB	108	70-130	%Rec	1	8/10/2021 5:41:01 PM	61831
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.025	mg/Kg	1	8/10/2021 5:41:01 PM	61831
Toluene	ND	0.049	mg/Kg	1	8/10/2021 5:41:01 PM	61831
Ethylbenzene	ND	0.049	mg/Kg	1	8/10/2021 5:41:01 PM	61831
Xylenes, Total	ND	0.099	mg/Kg	1	8/10/2021 5:41:01 PM	61831
Surr: 4-Bromofluorobenzene	108	70-130	%Rec	1	8/10/2021 5:41:01 PM	61831

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

Qualifiers:

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2108365

Date Reported: 8/18/2021

CLIENT: EOG	Client Sample ID: TH-9/10'						
Project: Roy SWD 3	Collection Date: 8/4/2021 1:34:00 PM						
Lab ID: 2108365-025	Matrix: SOIL	Matrix: SOIL Received Date: 8/7/2021 9:10:00 AM					
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	: VP	
Chloride	66	60	mg/Kg	20	8/12/2021 5:25:44 PM	61932	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: SB	
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	8/10/2021 1:34:18 PM	61853	
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	8/10/2021 1:34:18 PM	61853	
Surr: DNOP	90.9	70-130	%Rec	1	8/10/2021 1:34:18 PM	61853	
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA	
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	8/10/2021 6:04:41 PM	61831	
Surr: BFB	106	70-130	%Rec	1	8/10/2021 6:04:41 PM	61831	
EPA METHOD 8021B: VOLATILES					Analyst	RAA	
Benzene	ND	0.025	mg/Kg	1	8/10/2021 6:04:41 PM	61831	
Toluene	ND	0.049	mg/Kg	1	8/10/2021 6:04:41 PM	61831	
Ethylbenzene	ND	0.049	mg/Kg	1	8/10/2021 6:04:41 PM	61831	
Xylenes, Total	ND	0.098	mg/Kg	1	8/10/2021 6:04:41 PM	61831	
Surr: 4-Bromofluorobenzene	108	70-130	%Rec	1	8/10/2021 6:04:41 PM	61831	

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

Qualifiers:

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range RL
 - Reporting Limit

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Hall Environmental Analysis Laboratory, Inc	Hall	Environmental	Analysis	Laboratory.	Inc.
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Lab Order 2108365

Date Reported: 8/18/2021

CLIENT: EOG	Client Sample ID: TH-10/0'						
Project: Roy SWD 3	Collection Date: 8/4/2021 1:38:00 PM						
Lab ID: 2108365-026	Matrix: SOIL		Receiv	ved Dat	e: 8/7	7/2021 9:10:00 AM	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: VP
Chloride	1000	60		mg/Kg	20	8/12/2021 5:38:04 PM	61932
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	8/10/2021 1:58:39 PM	61853
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/10/2021 1:58:39 PM	61853
Surr: DNOP	69.6	70-130	S	%Rec	1	8/10/2021 1:58:39 PM	61853
EPA METHOD 8015D: GASOLINE RANGE	i i					Analyst	RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/10/2021 6:28:22 PM	61831
Surr: BFB	108	70-130		%Rec	1	8/10/2021 6:28:22 PM	61831
EPA METHOD 8021B: VOLATILES						Analyst	RAA
Benzene	ND	0.025		mg/Kg	1	8/10/2021 6:28:22 PM	61831
Toluene	ND	0.050		mg/Kg	1	8/10/2021 6:28:22 PM	61831
Ethylbenzene	ND	0.050		mg/Kg	1	8/10/2021 6:28:22 PM	61831
Xylenes, Total	ND	0.099		mg/Kg	1	8/10/2021 6:28:22 PM	61831
Surr: 4-Bromofluorobenzene	109	70-130		%Rec	1	8/10/2021 6:28:22 PM	61831

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

Qualifiers:

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range RL Reporting Limit
- Page 26 of 37

Surr: 4-Bromofluorobenzene

Analytical Report

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Lab Order 2108365

Date Reported: 8/18/2021

8/10/2021 6:52:00 PM 61831

CLIENT: EOG	Client Sample ID: TH-10/0.5'						
Project: Roy SWD 3	Collection Date: 8/4/2021 1:40:00 PM						
Lab ID: 2108365-027	Matrix: SOIL Received Date: 8/7/2021 9:10:00 AM						
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	VP	
Chloride	1400	60	mg/Kg	20	8/12/2021 6:15:09 PM	61932	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB	
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	8/10/2021 2:22:57 PM	61853	
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	8/10/2021 2:22:57 PM	61853	
Surr: DNOP	81.8	70-130	%Rec	1	8/10/2021 2:22:57 PM	61853	
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	RAA	
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	8/10/2021 6:52:00 PM	61831	
Surr: BFB	106	70-130	%Rec	1	8/10/2021 6:52:00 PM	61831	
EPA METHOD 8021B: VOLATILES					Analyst	RAA	
Benzene	ND	0.025	mg/Kg	1	8/10/2021 6:52:00 PM	61831	
Toluene	ND	0.049	mg/Kg	1	8/10/2021 6:52:00 PM	61831	
Ethylbenzene	ND	0.049	mg/Kg	1	8/10/2021 6:52:00 PM	61831	
Xylenes, Total	ND	0.099	mg/Kg	1	8/10/2021 6:52:00 PM	61831	

107

70-130

%Rec

1

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

Qualifiers:

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits Р Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2108365

Date Reported: 8/18/2021

CLIENT: EOG		Cl	ient Sa	ample II	D: TH	H-11/0'	
Project: Roy SWD 3	Collection Date: 8/4/2021 1:50:00 PM						
Lab ID: 2108365-028	Matrix: SOIL		Recei	ved Dat	e: 8/7	7/2021 9:10:00 AM	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: VP
Chloride	200	60		mg/Kg	20	8/12/2021 6:27:29 PM	61932
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	8/10/2021 2:47:13 PM	61853
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/10/2021 2:47:13 PM	61853
Surr: DNOP	63.3	70-130	S	%Rec	1	8/10/2021 2:47:13 PM	61853
EPA METHOD 8015D: GASOLINE RANGE	E					Analyst	RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/10/2021 7:15:45 PM	61831
Surr: BFB	107	70-130		%Rec	1	8/10/2021 7:15:45 PM	61831
EPA METHOD 8021B: VOLATILES						Analyst	RAA
Benzene	ND	0.025		mg/Kg	1	8/10/2021 7:15:45 PM	61831
Toluene	ND	0.050		mg/Kg	1	8/10/2021 7:15:45 PM	61831
Ethylbenzene	ND	0.050		mg/Kg	1	8/10/2021 7:15:45 PM	61831
Xylenes, Total	ND	0.10		mg/Kg	1	8/10/2021 7:15:45 PM	61831
Surr: 4-Bromofluorobenzene	108	70-130		%Rec	1	8/10/2021 7:15:45 PM	61831

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

Qualifiers:

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

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits Sample pH Not In Range
- Р
- RL Reporting Limit

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Hall	Environmental	Analysis	Laboratory,	Inc.

Lab Order 2108365

Date Reported: 8/18/2021

CLIENT: EOG	Client Sample ID: TH-11/0.5'						
Project: Roy SWD 3	Collection Date: 8/4/2021 1:52:00 PM						
Lab ID: 2108365-029	Matrix: SOIL Received Date: 8/7/2021 9:10:00 AM						
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analys	t: VP	
Chloride	1900	60	mg/Kg	20	8/12/2021 6:39:50 PM	61932	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	t: SB	
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	8/10/2021 3:11:28 PM	61853	
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	8/10/2021 3:11:28 PM	61853	
Surr: DNOP	90.9	70-130	%Rec	1	8/10/2021 3:11:28 PM	61853	
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA	
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	8/10/2021 7:39:21 PM	61831	
Surr: BFB	105	70-130	%Rec	1	8/10/2021 7:39:21 PM	61831	
EPA METHOD 8021B: VOLATILES					Analys	t: RAA	
Benzene	ND	0.025	mg/Kg	1	8/10/2021 7:39:21 PM	61831	
Toluene	ND	0.050	mg/Kg	1	8/10/2021 7:39:21 PM	61831	
Ethylbenzene	ND	0.050	mg/Kg	1	8/10/2021 7:39:21 PM	61831	
Xylenes, Total	ND	0.099	mg/Kg	1	8/10/2021 7:39:21 PM	61831	
Surr: 4-Bromofluorobenzene	106	70-130	%Rec	1	8/10/2021 7:39:21 PM	61831	

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

Qualifiers:

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

В Analyte detected in the associated Method Blank

- Е Value above quantitation range
- J Analyte detected below quantitation limits Sample pH Not In Range
- Р RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2108365

Date Reported: 8/18/2021

CLIENT: EOG	Client Sample ID: TH-12/0'						
Project: Roy SWD 3	Collection Date: 8/4/2021 11:20:00 AM						
Lab ID: 2108365-030	Matrix: SOIL		Received Dat	e: 8/7	7/2021 9:10:00 AM		
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	: VP	
Chloride	ND	60	mg/Kg	20	8/12/2021 6:52:12 PM	61932	
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst	: SB	
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	8/10/2021 3:35:52 PM	61853	
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	8/10/2021 3:35:52 PM	61853	
Surr: DNOP	100	70-130	%Rec	1	8/10/2021 3:35:52 PM	61853	
EPA METHOD 8015D: GASOLINE RANG	GE				Analyst	RAA	
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	8/10/2021 8:03:00 PM	61831	
Surr: BFB	107	70-130	%Rec	1	8/10/2021 8:03:00 PM	61831	
EPA METHOD 8021B: VOLATILES					Analyst	: RAA	
Benzene	ND	0.025	mg/Kg	1	8/10/2021 8:03:00 PM	61831	
Toluene	ND	0.050	mg/Kg	1	8/10/2021 8:03:00 PM	61831	
Ethylbenzene	ND	0.050	mg/Kg	1	8/10/2021 8:03:00 PM	61831	
Xylenes, Total	ND	0.10	mg/Kg	1	8/10/2021 8:03:00 PM	61831	
Surr: 4-Bromofluorobenzene	109	70-130	%Rec	1	8/10/2021 8:03:00 PM	61831	

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

Qualifiers:

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

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2108365

Date Reported: 8/18/2021

CLIENT: EOG	Client Sample ID: TH-12/5'						
Project: Roy SWD 3	Collection Date: 8/4/2021 11:30:00 AM						
Lab ID: 2108365-031	Matrix: SOIL		Received Dat	e: 8/7	7/2021 9:10:00 AM		
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	: VP	
Chloride	ND	60	mg/Kg	20	8/12/2021 7:29:16 PM	61932	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: SB	
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	8/10/2021 4:00:04 PM	61853	
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	8/10/2021 4:00:04 PM	61853	
Surr: DNOP	94.3	70-130	%Rec	1	8/10/2021 4:00:04 PM	61853	
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	: RAA	
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	8/10/2021 9:13:43 PM	61831	
Surr: BFB	107	70-130	%Rec	1	8/10/2021 9:13:43 PM	61831	
EPA METHOD 8021B: VOLATILES					Analyst	: RAA	
Benzene	ND	0.024	mg/Kg	1	8/10/2021 9:13:43 PM	61831	
Toluene	ND	0.048	mg/Kg	1	8/10/2021 9:13:43 PM	61831	
Ethylbenzene	ND	0.048	mg/Kg	1	8/10/2021 9:13:43 PM	61831	
Xylenes, Total	ND	0.096	mg/Kg	1	8/10/2021 9:13:43 PM	61831	
Surr: 4-Bromofluorobenzene	109	70-130	%Rec	1	8/10/2021 9:13:43 PM	61831	

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

Qualifiers:

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

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range RL Reporting Limit
- Page 31 of 37

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2108365

Date Reported: 8/18/2021

CLIENT: EOG	Client Sample ID: TH-12/10'						
Project: Roy SWD 3	Collection Date: 8/4/2021 11:37:00 AM						
Lab ID: 2108365-032	Matrix: SOIL		Received Dat	e: 8/7	7/2021 9:10:00 AM		
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analysi	: VP	
Chloride	ND	60	mg/Kg	20	8/12/2021 8:06:19 PM	61932	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: SB	
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	8/10/2021 4:24:24 PM	61853	
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	8/10/2021 4:24:24 PM	61853	
Surr: DNOP	88.0	70-130	%Rec	1	8/10/2021 4:24:24 PM	61853	
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	RAA	
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	8/10/2021 9:37:24 PM	61831	
Surr: BFB	104	70-130	%Rec	1	8/10/2021 9:37:24 PM	61831	
EPA METHOD 8021B: VOLATILES					Analyst	: RAA	
Benzene	ND	0.025	mg/Kg	1	8/10/2021 9:37:24 PM	61831	
Toluene	ND	0.050	mg/Kg	1	8/10/2021 9:37:24 PM	61831	
Ethylbenzene	ND	0.050	mg/Kg	1	8/10/2021 9:37:24 PM	61831	
Xylenes, Total	ND	0.099	mg/Kg	1	8/10/2021 9:37:24 PM	61831	
Surr: 4-Bromofluorobenzene	106	70-130	%Rec	1	8/10/2021 9:37:24 PM	61831	

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

Qualifiers:

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

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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W	O#:	2108365	
	1	0 Aug 21	

18-Aug-21

Client:	EOG										
Project:	Roy SWI	D 3									
Sample ID:	MB-61909	SampTy	pe: ME	BLK	Tes	tCode: El	PA Method	300.0: Anion	s		
Client ID:	PBS	Batch	ID: 619	909	F	RunNo: 8	0443				
Prep Date:	8/11/2021	21 Analysis Date: 8/11/2021 SeqNo: 2836571 U									
Analyte Chloride		Result ND	PQL 1.5	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sample ID:	LCS-61909	SampTy	pe: LC	S	Tes	tCode: El	PA Method	300.0: Anion	s		
Client ID:	LCSS	Batch	ID: 619	909	F	RunNo: 8	0443				
Prep Date:	8/11/2021	Analysis Da	ate: 8/	11/2021	S	SeqNo: 2	836572	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
7 11 101 9 10				0	0						
Chloride		14	1.5	15.00	0	93.4	90	110			
Chloride	· MB-61932		1.5	15.00	0	93.4	90	9	s		
Chloride		14 SampTy	1.5	15.00	0 Tes	93.4	90 PA Method	110	S		
Chloride Sample ID: Client ID:		14 SampTy	1.5 pe: ME ID: 619	15.00 BLK 932	0 Tes F	93.4 tCode: El	90 PA Method 0485	110			
Chloride Sample ID: Client ID:	PBS	14 SampTy Batch	1.5 pe: ME ID: 619	15.00 BLK 932 12/2021	0 Tes F	93.4 tCode: El RunNo: 8 SeqNo: 2	90 PA Method 0485 837821	110 300.0: Anion		RPDLimit	Qual
Chloride Sample ID: Client ID: Prep Date:	PBS	14 SampTy Batch Analysis Da	1.5 pe: ME ID: 619 tte: 8/	15.00 BLK 932 12/2021	0 Tes F	93.4 tCode: El RunNo: 8 SeqNo: 2	90 PA Method 0485 837821	110 300.0: Anion: Units: mg/K	g	RPDLimit	Qual
Chloride Sample ID: Client ID: Prep Date: Analyte Chloride	PBS	14 SampTy Batch Analysis Da Result	1.5 pe: ME ID: 619 ite: 8/ PQL 1.5	15.00 BLK 932 12/2021 SPK value	0 Tes F S SPK Ref Val	93.4 tCode: El RunNo: 8 SeqNo: 2 %REC	90 PA Method 0485 837821 LowLimit	110 300.0: Anion: Units: mg/K	g %RPD	RPDLimit	Qual
Chloride Sample ID: Client ID: Prep Date: Analyte Chloride	PBS 8/12/2021	14 SampTy Batch Analysis Da Result ND SampTy	1.5 pe: ME ID: 619 ite: 8/ PQL 1.5	15.00 BLK 932 12/2021 SPK value	0 Tes F SPK Ref Val Tes	93.4 tCode: El RunNo: 8 SeqNo: 2 %REC	90 PA Method 0485 837821 LowLimit PA Method	110 300.0: Anion: Units: mg/K HighLimit	g %RPD	RPDLimit	Qual
Chloride Sample ID: Client ID: Prep Date: Analyte Chloride Sample ID:	PBS 8/12/2021 : LCS-61932 LCSS	14 SampTy Batch Analysis Da Result ND SampTy	1.5 pe: ME ID: 619 ite: 8/ PQL 1.5 pe: LC ID: 619	15.00 BLK 932 12/2021 SPK value S 932	0 Tes F SPK Ref Val Tes F	93.4 tCode: El RunNo: 8 SeqNo: 2 %REC tCode: El	90 PA Method 0485 837821 LowLimit PA Method 0485	110 300.0: Anion: Units: mg/K HighLimit	g %RPD s	RPDLimit	Qual
Chloride Sample ID: Client ID: Prep Date: Analyte Chloride Sample ID: Client ID:	PBS 8/12/2021 : LCS-61932 LCSS	14 SampTy Batch Analysis Da Result ND SampTy Batch	1.5 pe: ME ID: 619 ite: 8/ PQL 1.5 pe: LC ID: 619	15.00 BLK 932 12/2021 SPK value S 932 12/2021	0 Tes F SPK Ref Val Tes F	93.4 tCode: El RunNo: 8 SeqNo: 2 %REC tCode: El RunNo: 8 SeqNo: 2	90 PA Method 0485 837821 LowLimit PA Method 0485	110 300.0: Anion: Units: mg/K HighLimit 300.0: Anion:	g %RPD s	RPDLimit	Qual

Qualifiers:

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

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 33 of 37

KEPURI	WO#:	2108365	
al Analysis Laboratory, Inc.		18-Aug-21	

Client: EOG Project: Roy SW	D 3										
Sample ID: MB-61835	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 61835		F	RunNo: 80	0451						
Prep Date: 8/9/2021	Analysis Date: 8/10/20	21	S	SeqNo: 28	835861	Units: mg/K	g				
Analyte	Result PQL SPK	value SP	K Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Diesel Range Organics (DRO)	ND 10										
Motor Oil Range Organics (MRO)	ND 50										
Surr: DNOP	12	10.00		116	70	130					
Sample ID: LCS-61835	SampType: LCS		Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	e Organics			
Client ID: LCSS	Batch ID: 61835		F	RunNo: 80	0451						
Prep Date: 8/9/2021	Analysis Date: 8/10/20	21	S	SeqNo: 28	835863	Units: mg/K	g				
Analyte	Result PQL SPK	value SP	K Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Diesel Range Organics (DRO)	45 10	50.00	0	90.6	68.9	141					
Surr: DNOP	4.8	5.000		96.8	70	130					
Sample ID: MB-61837	SampType: MBLK		Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	e Organics			
Client ID: PBS	Batch ID: 61837		RunNo: 80451								
Prep Date: 8/9/2021	Analysis Date: 8/11/20	21	S	SeqNo: 28	835925	Units: mg/K	g				
Analyte	Result PQL SPK	value SP	K 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		126	70	130					
Sample ID: LCS-61837	SampType: LCS		Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	e Organics			
Client ID: LCSS	Batch ID: 61837		F	RunNo: 80	0451						
Prep Date: 8/9/2021	Analysis Date: 8/11/20	21	S	SeqNo: 28	835926	Units: mg/K	g				
Analyte	Result PQL SPK	value SP	K Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Diesel Range Organics (DRO)	56 10	50.00	0	111	68.9	141					
Surr: DNOP	6.1	5.000		122	70	130					
Sample ID: LCS-61853	SampType: LCS		Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	e Organics			
Client ID: LCSS	Batch ID: 61853		F	RunNo: 80	0463						
Prep Date: 8/9/2021	Analysis Date: 8/10/20	21	S	SeqNo: 28	836331	Units: mg/K	g				
Analyte	Result PQL SPK	value SP	K Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Diesel Range Organics (DRO)	53 10	50.00	0	107	68.9	141					
Surr: DNOP	4.9	5.000		98.7	70	130					

Qualifiers:

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- D Sample Diluted Due to Matrix
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- 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

2108365

WO#:

Hall E	nvironme	ntal Analysis Laborator	ry, Inc.	18-Aug-21
Client: Project:	EOG Roy S	SWD 3		
Sample ID): MB-61853	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organ	ics
Client ID:	PBS	Batch ID: 61853	RunNo: 80463	
Prep Date	: 8/9/2021	Analysis Date: 8/10/2021	SeqNo: 2836334 Units: mg/Kg	

						5.5						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Diesel Range Organics (DRO)	ND	10										
Motor Oil Range Organics (MRO)	ND	50										
Surr: DNOP	12		10.00		116	70	130					

Qualifiers:

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- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

WO#:	2108
	18-440

′O#:	2108365

18-Aug-21

Client: EOG Project: Roy SW	D 3									
Sample ID: mb-61829	SampTyp	e: MB	LK	Test	Code: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID: PBS	Batch II	D: 618	329	RunNo: 80405						
Prep Date: 8/7/2021	021 Analysis Date: 8/9/2021					833801	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO) Surr: BFB	ND 1100	5.0	1000		106	70	130			
Sample ID: Ics-61829	SampTyp	e: LC	s	Test	Code: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID: LCSS	· · · · ·									
Prep Date: 8/7/2021	Analysis Date	e: 8/9	9/2021	S	eqNo: 2	833802	Units: mg/K	g		
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	1200		1000		115	70	130			
Operate ID 1 04004	SampTyp	be: LC	S	Test	Code: EF	PA Method	8015D: Gaso	line Rang	e	
Sample ID: Ics-61831 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range										
Client ID: LCSS	Batch II		331	R	unNo: 80	0450				
		D: 618	-		unNo: 8 eqNo: 2		Units: mg/K	g		
Client ID: LCSS	Batch II Analysis Date	D: 618	10/2021				Units: mg/K HighLimit	g %RPD	RPDLimit	Qual
Client ID: LCSS Prep Date: 8/8/2021	Batch II Analysis Date	D: 618 :e: 8/ 1	10/2021	S	eqNo: 2	835774	-	-	RPDLimit	Qual
Client ID: LCSS Prep Date: 8/8/2021 Analyte	Batch II Analysis Date Result	D: 618 :e: 8/ 1 PQL	10/2021 SPK value	S SPK Ref Val	eqNo: 28 %REC	835774 LowLimit	HighLimit	-	RPDLimit	Qual
Client ID: LCSS Prep Date: 8/8/2021 Analyte Gasoline Range Organics (GRO)	Batch II Analysis Date Result 26	D: 618 ie: 8/1 PQL 5.0	10/2021 SPK value 25.00 1000	SPK Ref Val 0	eqNo: 28 %REC 105 120	835774 LowLimit 78.6 70	HighLimit 131	%RPD		Qual
Client ID: LCSS Prep Date: 8/8/2021 Analyte Gasoline Range Organics (GRO) Surr: BFB	Batch II Analysis Date Result 26 1200	D: 618 e: 8/1 PQL 5.0 pe: MB	10/2021 SPK value 25.00 1000	S SPK Ref Val 0 Test	eqNo: 28 %REC 105 120	B35774 LowLimit 78.6 70 PA Method	HighLimit 131 130	%RPD		Qual
Client ID: LCSS Prep Date: 8/8/2021 Analyte Gasoline Range Organics (GRO) Surr: BFB Sample ID: mb-61831	Batch II Analysis Date Result 26 1200 SampTyp	D: 618 e: 8/1 PQL 5.0 De: MB D: 618	10/2021 SPK value 25.00 1000 SLK 331	SPK Ref Val 0 Test	eqNo: 28 %REC 105 120 Code: EF	835774 LowLimit 78.6 70 PA Method 0450	HighLimit 131 130	%RPD		Qual
Client ID: LCSS Prep Date: 8/8/2021 Analyte Gasoline Range Organics (GRO) Surr: BFB Sample ID: mb-61831 Client ID: PBS	Batch II Analysis Date Result 26 1200 SampTyp Batch II Analysis Date	D: 618 e: 8/1 PQL 5.0 De: MB D: 618	10/2021 SPK value 25.00 1000 SLK 331 10/2021	SPK Ref Val 0 Test	eqNo: 28 %REC 105 120 Code: EF unNo: 80	835774 LowLimit 78.6 70 PA Method 0450	HighLimit 131 130 8015D: Gaso	%RPD		Qual

Qualifiers:

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- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

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- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range

RL Reporting Limit

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WO#:	2108365
	10 4 21

18-Aug-21

Client:	EOG										
Project:	Roy SWD) 3									
	Köy 5 ti D										
Sample ID: mb-61	829	Samp	Туре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: PBS		Batc	h ID: 618	829	F	RunNo: 8	0405				
Prep Date: 8/7/2	021	Analysis [Date: 8/	9/2021	S	SeqNo: 2	833842	Units: mg/k	Ka		
		-						_	-		Qual
Analyte Benzene		Result ND	PQL 0.025	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Toluene		ND	0.023								
Ethylbenzene		ND	0.050								
Xylenes, Total		ND	0.10								
Surr: 4-Bromofluorob	enzene	1.1		1.000		106	70	130			
Sample ID: LCS-6	1829	Samp	Туре: LC	S	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: LCSS		Batc	h ID: 618	829	F	RunNo: 8	0405				
Prep Date: 8/7/2	021	Analysis E	Date: 8/	9/2021	5	SeqNo: 2	833843	Units: mg/ł	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.85	0.025	1.000	0	85.3	80	120			
Toluene		0.88	0.050	1.000	0	88.2	80	120			
Ethylbenzene		0.89	0.050	1.000	0	89.0	80	120			
Xylenes, Total		2.7	0.10	3.000	0	89.0	80	120			
Surr: 4-Bromofluorob	enzene	1.1		1.000		106	70	130			
Sample ID: LCS-6	1831	Samp	Туре: LC	S	Tes	tCode: FI	PA Method	8021B: Vola	tiles		
Client ID: LCSS			h ID: 61			RunNo: 8		00210. 0014			
Prep Date: 8/8/2		Analysis [SeqNo: 2		Units: mg/k	(a		
	.021							_	-		
Analyte		Result	PQL		SPK Ref Val		LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.85	0.025	1.000	0	84.8	80	120			
Toluene		0.88	0.050	1.000	0	88.1	80	120			
Ethylbenzene		0.88	0.050	1.000	0	88.0	80	120			
Xylenes, Total		2.7	0.10	3.000	0	89.3	80	120			
Surr: 4-Bromofluorob	enzene	1.1		1.000		110	70	130			
Sample ID: mb-61	831	Samp	Туре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: PBS		Batc	h ID: 618	831	F	RunNo: 8	0450				
Prep Date: 8/8/2	021	Analysis [Date: 8/	10/2021	S	SeqNo: 2	835849	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		ND	0.025	2	2	,			, D		~~~
Toluene		ND	0.050								
Ethylbenzene		ND	0.050								
Xylenes, Total		ND	0.000								
Surr: 4-Bromofluorob	enzene	1.1	5.10	1.000		109	70	130			
				1.000		100	10	100			

Qualifiers:

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- S % Recovery outside of range due to dilution or matrix

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- P Sample pH Not In Range
- RL Reporting Limit

ived by OCD: 3/16/2022 4:08:19 P. HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environme TEL: 505-345-	ental Analysis Labora 4901 Hawkins Albuquerque, NM 87 3975 FAX: 505-345-4 ts.hallenvironmental.	109 San	Pa Sample Log-In Check Lis						
Client Name: EOG	Work Order Nun	nber: 2108365	· · · ·	RcptNo: 1						
Received By: Sean Livingston	8/7/2021 9:10:00 /	AM	S-L	not						
Completed By: Sean Livingston	8/7/2021 9:34:38 /	AM	S-L	a =6						
Reviewed By: M 08/07/202	/			Jui -						
Chain of Custody				·						
1. Is Chain of Custody complete?		Yes 🗹	No 🗌	Not Present						
2. How was the sample delivered?		<u>Courier</u>								
Log In 3. Was an attempt made to cool the se	amples?	Yes 🖌	No 🗌	NA 🗌						
4. Were all samples received at a tem	perature of >0° C to 6.0°C	Yes 🗹	No 🗌							
5. Sample(s) in proper container(s)?		Yes 🗹	No 🗌							
6. Sufficient sample volume for indicate	ed 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 headsp	ace <1/4" for AQ VOA?	Yes 🗌	No 🗌	NA 🗹						
10, Were any sample containers receiv	ed broken?	Yes 🗆	No 🗹	# of preserved bottles checked						
11. Does paperwork match bottle labels (Note discrepancies on chain of cus		Yes 🗹	No 🗌	for pH:	noted					
12. Are matrices correctly identified on (Chain of Custody?	Yes 🗹	No 🗌	Adjusted?						
13. Is it clear what analyses were reque	sted?	Yes 🗹	No 🗌							
14. Were all holding times able to be ma (If no, notify customer for authorizati		Yes 🗹	No 🗌	Checked by: Scal 81	717					
Special Handling (if applicable	2									
15. Was client notified of all discrepance	ies with this order?	Yes 🗌	No 🗌							
Person Notified:	Date	e:								
By Whom:	Via:	eMail Pl	none 🗌 Fax	In Person						
Regarding: Client Instructions:										
16. Additional remarks:										
17. <u>Cooler Information</u>										
Cooler No Temp °C Condit	ion Seal Intact Seal No	Seal Date	Signed By							
1 0.6 Good										
2 2.8 Good		and a finite state of the second se	· · · · · · · · · · · · · · · · · · ·	1						

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-------Page 1 of 1

1. 10 1. 10 Thursday

······			ustody Record	Turn	Around	Time:	Dair		•		н		F	NV	IR	ON	MF	- N7		0£
Client:	EOG-Art	esia / Ra	nger Env.	 ≱s	tandard	⊡ Rush	· · · ·													
				Project Name: Roy Swo # 3					ANALYSIS LABORATOR									•		
Mailing	Address: I	EOG - 105	5 S 4th St, Artesia NM, 88210	-																
Ranger	: PO Box 2	201179, A	Austin TX 78720	Proje	ct #: 53	75		4901 Hawkins NE - Albuquerque, NM 87109												
Phone	#: 521-3	35-1785						Tel. 505-345-3975 Fax 505-345-4107 Analysis Request												
			ngerEnv.com	Proje	ct Mana	ager: W. Kiero	lorf		-											
aavac	Package:	_		1		-			/ MRO)											
Star	Standard Level 4 (Full Validation creditation: Az Compliance								N/O											
	litation:		•			KIERDORF			DRO	\overline{a}										
	NELAC Other				æ:	⊡ Yes	□ No		20/	(300)										
	EDD (Type) <u>Excel</u>				Coolers: er Temp		e remarks	(8021)	D(G	(EPA										
			Comple Name	Cont	ainer	Preservative	HEAL No.	BTEX (80	TPH:8015D(GRO	Chloride (
Date		Matrix			and #	Туре	2108365					_	<u> </u>							
8/4/21	0735	SOIL	TH-1/0'		hat JAR	ILÉ	100	X	×	×			<u> </u>			_				-
	0755		TH-1/8'	<u> </u>	ļ		602	4												
	0819		TH-1/15'				<u>003</u>													
	0945		TH-2/0'				084													
	0952		TH-2/5'				005													
	0957		TH-2/10'				<u> </u>													
	1022		TH-3/0'				007					-								
	ioas		TH-3/5'				600													
	1033		Тн-3/10'				0 09													
	0824		TH-4/0'				00	\neg												
	0832		TH-4/45+4"				0((
	0344	-	TH-4/10'				012	5	T	1										
Date: 56/301	Тіте: <i>О</i> Б <i>ӘС</i>	Relinquist	ned by:					O.	ن م) ر	τO.	l to EC ≆O· ǰ	کد	tesia	ATT	~ CH.	ASE S	eme			
Date: Blog M					Received by: Via: Date Time Sec counter 8(7/219:10				- ۲ - ۲	203 203	7.80 :4.7	ر ەر								

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				Turn-Around Time: 5 Dary						P		-		TO			- 8 4-	T A I	201	: 3
Client:	EOG-Art	esia / Ra	nger Env.	∑Standard □ Rush				Jor 3 HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107 Analysis Request Image: State of the second secon												Yeu
				Project Name: Roy Sw0 #3																9
Mailing	Address:	EOG - 105	S 4th St, Artesia NM, 88210	-				www.hallenvironmental.com												
Ranger: PO Box 201179, Austin TX 78720				Project #: 5375				4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107												
Dhono #: 521 225 1795				-				16	91. 59	05-34		o ⊦ Analy				107				
Phone #: 521-335-1785 email or Fax#: Will@RangerEnv.com				Project Manager: W. Kierdorf					_											
QA/QC Package:								/ MRO)												
■ Standard □ Level 4 (Full Validation)																				
Accreditation:				Sampler: W. KEERSORF				DRO	_											
■ NELAC □ Other				On Ice: ⊡∕Yes □ No				~	300)											
EDD (Type) <u>Excel</u>				# of Coolers: 3				G G	(EPA											
				Cooler Temp(including CF): See remarkes				0151	de (I											
Date	Time	Matrix	Sample Name	Container Type and #	Preservative <i>t</i> Type	HEAL No.	BTEX	TPH:8015D(GRO	Chloride							-				
8/4/21	0900	SOTL	TH TS THAY IS	1 × 4025	AN ICE	013	×	×	×											
1	0905	Ì	TH-S/0'	1	1	014	1	i												
	0909		TH-S/S'			015														
	0920		TH-5/10'			016														1
	0940		TH-S/15'			017														1
	1325		Тн-б/0'			018	\square													1
	1327	11	TH-5/11			019														1
	1307		TH-7/0'			020														1
	1310		TH-7/1.5'			021														1
	1315		TH-8/0'			022														1
	1319		TH-8/9"			023														1
	1332		TH-9/0'			624	1													
Date: 8/5/2021	Тіте: <u>(</u> 762С	Relinquish		Received by: Via: Date Time				Remarks: Bill to EOG Artesia $0.6 \pm 0 = 0.6^{\circ}$ $2.8 \pm 0 = 2.8^{\circ}$ $4.7 \pm 0 = 4.7^{\circ}$												
Date:	Time:	Relinquish	ed by:	Received by: Via: Date Time				72,820=2.80-												8
90/20 1900 Odu			JUL COURT 8/7/21 9:10				7±	o =	:ખ.7	ي ه	•.								t nSe Too	

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
C	Chain	-of-Cເ	istody Record	Turn-Arc	ound 1			1											30
			nger Env.	- X Stand	dard	∑ Rush⊡	Dars								IRO				
				Project N	Vame:	K Roy Swa									ental.c				`
Mailing	Address:	EOG - 105	S 4th St, Artesia NM, 88210						49	01 F	lawkins						109		
Ranger	PO Box	201179, A	ustin TX 78720	Project #	‡: 5 37:	5					05-345-			-	05-345				
Phone	#: 521-3	35-1785													eques				
email c	or Fax#: \	Nill@Ran	gerEnv.com	Project N	Manag	ger: W. Kiero	lorf												
QA/QC ■ Sta	Package: n dard		Level 4 (Full Validation)) / MRO)										-
	litation:		ompliance			TERDORF			ЪЯ										
	_AC D (Type)	D Other Excel	•	On Ice: # of Coo		ର୍ଙ୍ Yes ଚ	□ No		R0/	(300)									
				Cooler T	emp _{(ii}	3 ncluding CF): <_	c remarks	(8021)	0)0	(EPA									
Date	Time	Matrix	Sample Name	Containe Type and	er	Preservative Type		BTEX (80	TPH:8015D(GRO / DRO	Chloride (:								
8/4/21	1334	SOIL	TH-9/10"	1 x 402	JAR	ICÉ	025	X	X	Х									
1	1338	Ì	TH-10/0'			1	OZC	1	1										
	1390		TH-10/0.5'				077									\square			
	1350		Тн-11/0'				028		\prod									1	
	1352		TH-11/0.5'				०२५									\square			
	1120		TH-12/0'			ł	030		Π										
	11.30		TH-12/5				03(\square	Π									
	1137		TH-12/10			Ţ	032	Ţ	1	1									
Date: 8/6/2021		Relinquish	۷	Received b	u	Via:	Date Time	0.	61	<u>ى</u>	ll to EO = ఎ. ఢ [ా] = 7. ౪ ^ణ	<i>د</i>	esia						
Date:	Time:	Relinquish		Received t		Via: ついかてく	8/7/21 9:10	4	· 0 · · 7 :	to	- <i>(</i> . 7 =4,7	ب							

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

Page 109 of 323



August 30, 2021 Will Kierdorf EOG 105 South Fourth Street Artesia, NM 88210 TEL: FAX Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

OrderNo.: 2108E67

RE: Roy SWD 3

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 11 sample(s) on 8/26/2021 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

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Lab Order **2108E67** Date Reported: **8/30/2021**

CLIENT:	EOG	Client Sample ID: B-1
Project:	Roy SWD 3	Collection Date: 8/24/2021 10:53:00 AM
Lab ID:	2108E67-001	Matrix: MEOH (SOIL) Received Date: 8/26/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Ana	lyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst:	VP
Chloride	370	61		mg/Kg	20	8/26/2021	10:16:24 AM	62208
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS						Analyst:	SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	8/26/2021	12:23:57 PM	62203
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/26/2021	12:23:57 PM	62203
Surr: DNOP	149	70-130	S	%Rec	1	8/26/2021	12:23:57 PM	62203
EPA METHOD 8015D: GASOLINE RANGE							Analyst:	mb
Gasoline Range Organics (GRO)	ND	3.3		mg/Kg	1	8/26/2021	12:43:00 PM	R80824
Surr: BFB	93.6	70-130		%Rec	1	8/26/2021	12:43:00 PM	R80824
EPA METHOD 8021B: VOLATILES							Analyst:	mb
Benzene	ND	0.016		mg/Kg	1	8/26/2021	12:43:00 PM	R80824
Toluene	ND	0.033		mg/Kg	1	8/26/2021	12:43:00 PM	R80824
Ethylbenzene	ND	0.033		mg/Kg	1	8/26/2021	12:43:00 PM	R80824
Xylenes, Total	ND	0.065		mg/Kg	1	8/26/2021	12:43:00 PM	R80824
Surr: 4-Bromofluorobenzene	83.0	70-130		%Rec	1	8/26/2021	12:43:00 PM	R80824

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order **2108E67** Date Reported: **8/30/2021**

CLIENT	EOG	Client Sample ID: B-2
Project:	Roy SWD 3	Collection Date: 8/24/2021 10:57:00 AM
Lab ID:	2108E67-002	Matrix: MEOH (SOIL) Received Date: 8/26/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analys	st: VP
Chloride	280	60		mg/Kg	20	8/26/2021 10:28:48 AI	M 62208
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS					Analys	st: SB
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	8/26/2021 12:33:42 PI	M 62203
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	8/26/2021 12:33:42 PI	M 62203
Surr: DNOP	155	70-130	S	%Rec	1	8/26/2021 12:33:42 PI	M 62203
EPA METHOD 8015D: GASOLINE RANGE						Analys	st: mb
Gasoline Range Organics (GRO)	ND	3.6		mg/Kg	1	8/26/2021 1:04:00 PM	R80824
Surr: BFB	92.3	70-130		%Rec	1	8/26/2021 1:04:00 PM	R80824
EPA METHOD 8021B: VOLATILES						Analys	st: mb
Benzene	ND	0.018		mg/Kg	1	8/26/2021 1:04:00 PM	R80824
Toluene	ND	0.036		mg/Kg	1	8/26/2021 1:04:00 PM	R80824
Ethylbenzene	ND	0.036		mg/Kg	1	8/26/2021 1:04:00 PM	R80824
Xylenes, Total	ND	0.072		mg/Kg	1	8/26/2021 1:04:00 PM	R80824
Surr: 4-Bromofluorobenzene	82.0	70-130		%Rec	1	8/26/2021 1:04:00 PM	R80824

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order **2108E67** Date Reported: **8/30/2021**

CLIENT:	EOG	Client Sample ID: B-3
Project:	Roy SWD 3	Collection Date: 8/24/2021 11:01:00 AM
Lab ID:	2108E67-003	Matrix: MEOH (SOIL) Received Date: 8/26/2021 7:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	450	60	mg/Kg	20	8/26/2021 10:41:12 AM	62208
EPA METHOD 8015M/D: DIESEL RANGE C	RGANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	8/26/2021 3:52:45 PM	62203
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	8/26/2021 3:52:45 PM	62203
Surr: DNOP	125	70-130	%Rec	1	8/26/2021 3:52:45 PM	62203
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: mb
Gasoline Range Organics (GRO)	ND	3.7	mg/Kg	1	8/26/2021 1:44:00 PM	R80824
Surr: BFB	93.4	70-130	%Rec	1	8/26/2021 1:44:00 PM	R80824
EPA METHOD 8021B: VOLATILES					Analyst	: mb
Benzene	ND	0.018	mg/Kg	1	8/26/2021 1:44:00 PM	R80824
Toluene	ND	0.037	mg/Kg	1	8/26/2021 1:44:00 PM	R80824
Ethylbenzene	ND	0.037	mg/Kg	1	8/26/2021 1:44:00 PM	R80824
Xylenes, Total	ND	0.074	mg/Kg	1	8/26/2021 1:44:00 PM	R80824
Surr: 4-Bromofluorobenzene	82.6	70-130	%Rec	1	8/26/2021 1:44:00 PM	R80824

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2108E67

Date Reported: 8/30/2021

CLIENT	: EOG	Client Sample ID: B-4
Project:	Roy SWD 3	Collection Date: 8/24/2021 2:20:00 PM
Lab ID:	2108E67-004	Matrix: MEOH (SOIL) Received Date: 8/26/2021 7:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	480	60	mg/Kg	20	8/26/2021 10:53:36 AM	62208
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	8/26/2021 4:17:03 PM	62203
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	8/26/2021 4:17:03 PM	62203
Surr: DNOP	124	70-130	%Rec	1	8/26/2021 4:17:03 PM	62203
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: mb
Gasoline Range Organics (GRO)	ND	5.3	mg/Kg	1	8/26/2021 2:04:00 PM	R80824
Surr: BFB	95.4	70-130	%Rec	1	8/26/2021 2:04:00 PM	R80824
EPA METHOD 8021B: VOLATILES					Analyst	: mb
Benzene	ND	0.026	mg/Kg	1	8/26/2021 2:04:00 PM	R80824
Toluene	ND	0.053	mg/Kg	1	8/26/2021 2:04:00 PM	R80824
Ethylbenzene	ND	0.053	mg/Kg	1	8/26/2021 2:04:00 PM	R80824
Xylenes, Total	ND	0.11	mg/Kg	1	8/26/2021 2:04:00 PM	R80824
Surr: 4-Bromofluorobenzene	84.3	70-130	%Rec	1	8/26/2021 2:04:00 PM	R80824

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

Qualifiers:

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2108E67

Date Reported: 8/30/2021

CLIENT:	EOG	Client Sample ID: B-5
Project:	Roy SWD 3	Collection Date: 8/24/2021 2:23:00 PM
Lab ID:	2108E67-005	Matrix: MEOH (SOIL) Received Date: 8/26/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: VP
Chloride	350	60		mg/Kg	20	8/26/2021 11:06:01 AM	62208
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS					Analyst	SB
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	8/26/2021 4:41:23 PM	62204
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/26/2021 4:41:23 PM	62204
Surr: DNOP	131	70-130	S	%Rec	1	8/26/2021 4:41:23 PM	62204
EPA METHOD 8015D: GASOLINE RANGE						Analyst	: mb
Gasoline Range Organics (GRO)	ND	5.7		mg/Kg	1	8/26/2021 2:25:00 PM	R80824
Surr: BFB	94.2	70-130		%Rec	1	8/26/2021 2:25:00 PM	R80824
EPA METHOD 8021B: VOLATILES						Analyst	: mb
Benzene	ND	0.028		mg/Kg	1	8/26/2021 2:25:00 PM	R80824
Toluene	ND	0.057		mg/Kg	1	8/26/2021 2:25:00 PM	R80824
Ethylbenzene	ND	0.057		mg/Kg	1	8/26/2021 2:25:00 PM	R80824
Xylenes, Total	ND	0.11		mg/Kg	1	8/26/2021 2:25:00 PM	R80824
Surr: 4-Bromofluorobenzene	83.1	70-130		%Rec	1	8/26/2021 2:25:00 PM	R80824

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order **2108E67** Date Reported: **8/30/2021**

CLIENT:	EOG	Client Sample ID: B-6
Project:	Roy SWD 3	Collection Date: 8/24/2021 2:27:00 PM
Lab ID:	2108E67-006	Matrix: MEOH (SOIL) Received Date: 8/26/2021 7:30:00 AM

Analyses	Result		Qual Units		DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS						Analyst	: VP	
Chloride	360	60		mg/Kg	20	8/26/2021 11:18:25 AM	62208	
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS					Analyst	SB	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	8/26/2021 3:55:20 PM	62204	
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/26/2021 3:55:20 PM	62204	
Surr: DNOP	148	70-130	S	%Rec	1	8/26/2021 3:55:20 PM	62204	
EPA METHOD 8015D: GASOLINE RANGE						Analyst	: mb	
Gasoline Range Organics (GRO)	ND	4.1		mg/Kg	1	8/26/2021 2:45:00 PM	R80824	
Surr: BFB	91.0	70-130		%Rec	1	8/26/2021 2:45:00 PM	R80824	
EPA METHOD 8021B: VOLATILES						Analyst: mb		
Benzene	ND	0.021		mg/Kg	1	8/26/2021 2:45:00 PM	R80824	
Toluene	ND	0.041		mg/Kg	1	8/26/2021 2:45:00 PM	R80824	
Ethylbenzene	ND	0.041		mg/Kg	1	8/26/2021 2:45:00 PM	R80824	
Xylenes, Total	ND	0.083		mg/Kg	1	8/26/2021 2:45:00 PM	R80824	
Surr: 4-Bromofluorobenzene	81.0	70-130		%Rec	1	8/26/2021 2:45:00 PM	R80824	

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order **2108E67** Date Reported: **8/30/2021**

CLIENT	EOG	Client Sample ID: N-1
Project:	Roy SWD 3	Collection Date: 8/24/2021 11:30:00 AM
Lab ID:	2108E67-007	Matrix: MEOH (SOIL) Received Date: 8/26/2021 7:30:00 AM

Analyses	s Result RL Qual Unit		Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS						Analyst	: VP	
Chloride	430	60		mg/Kg	20	8/26/2021 11:30:49 AM	62208	
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS					Analyst	: SB	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	8/26/2021 4:05:12 PM	62204	
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/26/2021 4:05:12 PM	62204	
Surr: DNOP	147	70-130	S	%Rec	1	8/26/2021 4:05:12 PM	62204	
EPA METHOD 8015D: GASOLINE RANGE						Analyst	: mb	
Gasoline Range Organics (GRO)	ND	3.8		mg/Kg	1	8/26/2021 3:05:00 PM	R80824	
Surr: BFB	91.2	70-130		%Rec	1	8/26/2021 3:05:00 PM	R80824	
EPA METHOD 8021B: VOLATILES						Analyst: mb		
Benzene	ND	0.019		mg/Kg	1	8/26/2021 3:05:00 PM	R80824	
Toluene	ND	0.038		mg/Kg	1	8/26/2021 3:05:00 PM	R80824	
Ethylbenzene	ND	0.038		mg/Kg	1	8/26/2021 3:05:00 PM	R80824	
Xylenes, Total	ND	0.077		mg/Kg	1	8/26/2021 3:05:00 PM	R80824	
Surr: 4-Bromofluorobenzene	82.2	70-130		%Rec	1	8/26/2021 3:05:00 PM	R80824	

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order **2108E67** Date Reported: **8/30/2021**

CLIENT:	EOG	Client Sample ID: NW-1
	Roy SWD 3	Collection Date: 8/24/2021 11:34:00 AM
Lab ID:	2108E67-008	Matrix: MEOH (SOIL) Received Date: 8/26/2021 7:30:00 AM

Analyses	Result		Qual	Qual Units		Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS						Analyst	: VP	
Chloride	270	60		mg/Kg	20	8/26/2021 12:08:02 PM	62208	
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS					Analyst	SB	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	8/26/2021 4:15:05 PM	62204	
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/26/2021 4:15:05 PM	62204	
Surr: DNOP	155	70-130	S	%Rec	1	8/26/2021 4:15:05 PM	62204	
EPA METHOD 8015D: GASOLINE RANGE						Analyst	: mb	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/26/2021 3:25:00 PM	R80824	
Surr: BFB	92.1	70-130		%Rec	1	8/26/2021 3:25:00 PM	R80824	
EPA METHOD 8021B: VOLATILES						Analyst: mb		
Benzene	ND	0.024		mg/Kg	1	8/26/2021 3:25:00 PM	R80824	
Toluene	ND	0.047		mg/Kg	1	8/26/2021 3:25:00 PM	R80824	
Ethylbenzene	ND	0.047		mg/Kg	1	8/26/2021 3:25:00 PM	R80824	
Xylenes, Total	ND	0.094		mg/Kg	1	8/26/2021 3:25:00 PM	R80824	
Surr: 4-Bromofluorobenzene	81.0	70-130		%Rec	1	8/26/2021 3:25:00 PM	R80824	

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2108E67

Date Reported: 8/30/2021

CLIENT	: EOG	Client Sample ID: W-1
Project:	Roy SWD 3	Collection Date: 8/24/2021 1:50:00 PM
Lab ID:	2108E67-009	Matrix: MEOH (SOIL) Received Date: 8/26/2021 7:30:00 AM

Analyses Result		Result RL Qual Un		Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS						Analyst	: VP	
Chloride	370	59		mg/Kg	20	8/26/2021 12:20:26 PM	62208	
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS					Analyst	SB	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	8/26/2021 4:24:58 PM	62204	
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/26/2021 4:24:58 PM	62204	
Surr: DNOP	152	70-130	S	%Rec	1	8/26/2021 4:24:58 PM	62204	
EPA METHOD 8015D: GASOLINE RANGE						Analyst	: mb	
Gasoline Range Organics (GRO)	ND	3.8		mg/Kg	1	8/26/2021 3:45:00 PM	R80824	
Surr: BFB	88.4	70-130		%Rec	1	8/26/2021 3:45:00 PM	R80824	
EPA METHOD 8021B: VOLATILES						Analyst: mb		
Benzene	ND	0.019		mg/Kg	1	8/26/2021 3:45:00 PM	R80824	
Toluene	ND	0.038		mg/Kg	1	8/26/2021 3:45:00 PM	R80824	
Ethylbenzene	ND	0.038		mg/Kg	1	8/26/2021 3:45:00 PM	R80824	
Xylenes, Total	ND	0.076		mg/Kg	1	8/26/2021 3:45:00 PM	R80824	
Surr: 4-Bromofluorobenzene	78.3	70-130		%Rec	1	8/26/2021 3:45:00 PM	R80824	

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

Qualifiers:

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2108E67

Date Reported: 8/30/2021

CLIENT	EOG	Client Sample ID: SW-1
Project:	Roy SWD 3	Collection Date: 8/24/2021 1:53:00 PM
Lab ID:	2108E67-010	Matrix: MEOH (SOIL) Received Date: 8/26/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: VP
Chloride	410	60		mg/Kg	20	8/26/2021 12:32:50 PM	62208
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS					Analyst	SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	8/26/2021 4:34:50 PM	62204
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/26/2021 4:34:50 PM	62204
Surr: DNOP	146	70-130	S	%Rec	1	8/26/2021 4:34:50 PM	62204
EPA METHOD 8015D: GASOLINE RANGE						: mb	
Gasoline Range Organics (GRO)	ND	4.0		mg/Kg	1	8/26/2021 4:06:00 PM	R80824
Surr: BFB	94.1	70-130		%Rec	1	8/26/2021 4:06:00 PM	R80824
EPA METHOD 8021B: VOLATILES						Analyst: mb	
Benzene	ND	0.020		mg/Kg	1	8/26/2021 4:06:00 PM	R80824
Toluene	ND	0.040		mg/Kg	1	8/26/2021 4:06:00 PM	R80824
Ethylbenzene	ND	0.040		mg/Kg	1	8/26/2021 4:06:00 PM	R80824
Xylenes, Total	ND	0.080		mg/Kg	1	8/26/2021 4:06:00 PM	R80824
Surr: 4-Bromofluorobenzene	82.2	70-130		%Rec	1	8/26/2021 4:06:00 PM	R80824

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
- JAnalyte detected below quantitation limitsPSample pH Not In Range
- P Sample pH Not In RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order **2108E67** Date Reported: **8/30/2021**

Client Sample ID: SW-2					
Collection Date: 8/24/2021 1:55:00 PM					
Matrix: MEOH (SOIL) Received Date: 8/26/2021 7:30:00 AM					

Analyses	Result	RL Qual Units		DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	540	60	mg/Kg	20	8/26/2021 12:45:15 PM	62208
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	BRM
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	8/26/2021 3:47:50 PM	62204
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	8/26/2021 3:47:50 PM	62204
Surr: DNOP	126	70-130	%Rec	1	8/26/2021 3:47:50 PM	62204
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: mb
Gasoline Range Organics (GRO)	ND	4.2	mg/Kg	1	8/26/2021 4:26:00 PM	R80824
Surr: BFB	90.3	70-130	%Rec	1	8/26/2021 4:26:00 PM	R80824
EPA METHOD 8021B: VOLATILES					Analyst: mb	
Benzene	ND	0.021	mg/Kg	1	8/26/2021 4:26:00 PM	R80824
Toluene	ND	0.042	mg/Kg	1	8/26/2021 4:26:00 PM	R80824
Ethylbenzene	ND	0.042	mg/Kg	1	8/26/2021 4:26:00 PM	R80824
Xylenes, Total	ND	0.084	mg/Kg	1	8/26/2021 4:26:00 PM	R80824
Surr: 4-Bromofluorobenzene	82.0	70-130	%Rec	1	8/26/2021 4:26:00 PM	R80824

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

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EOG

Client:

Environmental Analysis Laboratory, Inc.		30-Aug-21	
	WO#:	2108E67	

Project: Roy SV	WD 3			
Sample ID: MB-62208	SampType: MBLK	TestCode: EPA Method	300.0: Anions	
Client ID: PBS	Batch ID: 62208	RunNo: 80827		
Prep Date: 8/26/2021	Analysis Date: 8/26/2021	SeqNo: 2852353	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	ND 1.5			
Sample ID: LCS-62208	SampType: LCS	TestCode: EPA Method	300.0: Anions	
Client ID: LCSS	Batch ID: 62208	RunNo: 80827		
Prep Date: 8/26/2021	Analysis Date: 8/26/2021	SeqNo: 2852354	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	14 1.5 15.00	0 96.7 90	110	

Qualifiers:

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- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank В
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 12 of 15

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

2108E67	WO#:	
30-Aug-21		

Client: Project:	EOG Roy SW	ך 2									
	-										
Sample ID:	MB-62203	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID:	PBS	Batch	n ID: 62	203	F	RunNo: 8	0815				
Prep Date:	8/26/2021	Analysis D	0ate: 8/	26/2021	S	SeqNo: 2	851609	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	ND	10								
	e Organics (MRO)	ND	50								
Surr: DNOP		15		10.00		148	70	130			S
Sample ID:	ample ID: MB-62204 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics										
Client ID:	PBS	Batch	n ID: 62	204	F	RunNo: 8	0814				
Prep Date:	8/26/2021	Analysis D	Date: 8/	26/2021	S	SeqNo: 2	853083	Units: mg/ #	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
•	Organics (DRO)	ND	10								
-	e Organics (MRO)	ND	50								
Surr: DNOP		11		10.00		109	70	130			
Sample ID:	LCS-62204	SampT	ype: LC	s	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID:	LCSS	Batch	n ID: 62	204	F	RunNo: 8	0814				
Prep Date:	8/26/2021	Analysis D	0ate: 8/	26/2021	S	SeqNo: 2	853084	Units: mg/ #	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	45	10	50.00	0	89.4	68.9	141			
Surr: DNOP		4.8		5.000		97.0	70	130			
Sample ID:	LCS-62203	SampT	ype: LC	s	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID:	LCSS	Batch	n ID: 62	203	F	RunNo: 8	0848				
Prep Date:	8/26/2021	Analysis D	Date: 8/	27/2021	S	SeqNo: 2	853731	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	44	10	50.00	0	88.7	68.9	141			
Surr: DNOP		5.1		5.000		101	70	130			

Qualifiers:

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- D Sample Diluted Due to Matrix
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- S % Recovery outside of range due to dilution or matrix

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- E Value above quantitation range
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2108E67	WO#:
30-Aug-21	

Client: EOG Project: Roy S	WD 3			
Sample ID: mb-32189	SampType: MBLK	TestCode: EPA Method	8015D: Gasoline Range	
Client ID: PBS	Batch ID: R80824	RunNo: 80824		
Prep Date:	Analysis Date: 8/26/2021	SeqNo: 2852393	Units: mg/Kg	
Analyte	Result PQL SPK value	e SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Gasoline Range Organics (GRO) Surr: BFB	ND 5.0 910 1000	90.6 70	130	
Sample ID: Ics-62189	SampType: LCS	TestCode: EPA Method	8015D: Gasoline Range	
Client ID: LCSS	Batch ID: 62189	RunNo: 80824		
Prep Date: 8/25/2021	Analysis Date: 8/26/2021	SeqNo: 2852394	Units: %Rec	
Analyte	Result PQL SPK value	e SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Surr: BFB	1000 1000) 101 70	130	
Sample ID: MB-Water	SampType: MBLK	TestCode: EPA Method	8015D: Gasoline Range	
Client ID: PBS	Batch ID: R80824	RunNo: 80824		
Prep Date:	Analysis Date: 8/26/2021	SeqNo: 2852480	Units: mg/Kg	
Analyte	Result PQL SPK value	e SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Gasoline Range Organics (GRO)	ND 5.0			
Surr: BFB	930 1000	93.1 70	130	

Qualifiers:

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- ND Not Detected at the Reporting Limit
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- J Analyte detected below quantitation limits
- P Sample pH Not In Range
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WO#:	2108E67
	20 4 21

Client:	EOG									
Project:	Roy SWD 3									
Sample ID: mb-32	189 5	SampType:	MBLK	Tes	tCode: EF	PA Method	8021B: Volat	iles		
Client ID: PBS		Batch ID:	R80824	F	RunNo: 8	0824				
Prep Date:	Ana	lysis Date:	8/26/2021	S	SeqNo: 28	852421	Units: mg/K	g		
Analyte	Re	sult P	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		ND 0.0)25							
Toluene		ND 0.0)50							
Ethylbenzene		ND 0.0)50							
Xylenes, Total		ND 0	.10							
Surr: 4-Bromofluorobe	enzene ().79	1.000		79.0	70	130			
Sample ID: Ics-62	189 :	SampType:	LCS	Tes	tCode: EF	PA Method	8021B: Volat	iles		
Client ID: LCSS		Batch ID:	62189	F	RunNo: 8	0824				
Prep Date: 8/25/2	2021 Ana	lysis Date:	8/26/2021	S	SeqNo: 28	852422	Units: %Rec	;		
Analyte	Re	sult P	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobe	enzene ().79	1.000		79.1	70	130			
Sample ID: MB-Wa	ater	SampType:	MBLK	Tes	tCode: EF	PA Method	8021B: Volat	iles		
Client ID: PBS		Batch ID:	R80824	F	RunNo: 8	0824				
Prep Date:	Ana	lysis Date:	8/26/2021	5	SeqNo: 28	852482	Units: mg/K	g		
Analyte	Re	sult P	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		ND 0.0)25							
Toluene		ND 0.0)50							
Ethylbenzene		ND 0.0)50							
Xylenes, Total		ND 0	.10							
Surr: 4-Bromofluorobe	enzene ().84	1.000		84.0	70	130			

Qualifiers:

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- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Page 1	26	of	323
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HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmental Alb. TEL: 505-345-3975 Website: clients.hc	4901 H uquerque, FAX: 502	awkins NE NM 87109 5-345-4107	Sar	mple Log-In Check List
Client Name: EOG	Work Order Number	2108E6	7		RcptNo: 1
Received By: Cheyenne Cason	8/26/2021 7:30:00 AM		Ch	w	
Completed By: Isaiah Ortiz	8/26/2021 8:16:56 AM		75 44	L The C	and the second se
Reviewed By: KPG 8/2k	0/21				,
Chain of Custody	•				
1. Is Chain of Custody complete?		Yes 🗹]	No 🗌	Not Present
2. How was the sample delivered?		<u>Courier</u>			
<u>Log In</u>					
3. Was an attempt made to cool the samples?		Yes 🗹	1	No 🗌	NA 🗔
4. Were all samples received at a temperature		Yes		No 🗹	NA 🗔
5. Sample(s) in proper container(s)?	Samples were	Collecte Yes		oday an	d chilled.
		165 💽			
6. Sufficient sample volume for indicated test(s)?	Yes 🗹	N	10 🗌	
7. Are samples (except VOA and ONG) proper	y preserved?	Yes 🖌	N	lo 🗌	
8. Was preservative added to bottles?		Yes 🗌	Ν	lo 🗹	NA 🗌
9. Received at least 1 vial with headspace <1/4	" for AQ VOA?	Yes 🗌	N	lo 🗌	NA 🗹
10. Were any sample containers received broke	n?	Yes 🗆	٩	No 🗹	
		_			# of preserved bottles checked
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 🗹	N	10	for pH: (<2 or 12 unless noted)
12. Are matrices correctly identified on Chain of	Custody?	Yes 🗹	N	lo 🗌	Adjusted2
13. Is it clear what analyses were requested?		Yes 🗹	N	lo 🗌	
14. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes 🗹	N	lo 🗌	Checked by JR 8-126 (21
<u>Special Handling (if applicable)</u>					/
15. Was client notified of all discrepancies with	this order?	Vee 🗆			
		Yes	Г 	No 🛄	
Person Notified:	Date: [antenne a reparti de l'antenne	and Annald Const. (1999)		:
By Whom:	Via:] eMail	Phone	🗌 Fax	In Person
Regarding:	a Statistic Statistics and the second of a subscription of the sub				
Client Instructions: 1	· · · · · · · ·				
17. <u>Cooler Information</u> Cooler No Temp °C Condition Se	eal Intact Seal No S	eal Date	Signe	ed Bv	
	Present		Jigite	y	
2 10.1 Good Not	Present		· · · · · · · · · · · · · · · · · · ·	· ···	

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September 01, 2021

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

RE: Roy SWD 3

OrderNo.: 2108F55

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 4 sample(s) on 8/27/2021 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

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2108F55

Date Reported: 9/1/2021

CLIENT: EOG	Client Sample ID: TH-A/11'								
Project: Roy SWD 3		(Collection Dat	e: 8/2	5/2021 12:	48:00 PM			
Lab ID: 2108F55-001	Matrix: SOIL		Received Date	e: 8/2	7/2021 7:2	0:00 AM			
Analyses	Result	RL	Qual Units	DF	Date Ana	lyzed	Batch		
EPA METHOD 300.0: ANIONS						Analyst:	VP		
Chloride	6900	300	mg/Kg	100	8/27/2021	11:12:27 PM	62252		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst:	SB		
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	8/28/2021	12:32:57 PM	62246		
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	8/28/2021	12:32:57 PM	62246		
Surr: DNOP	118	70-130	%Rec	1	8/28/2021	12:32:57 PM	62246		
EPA METHOD 8015D: GASOLINE RANGE	E					Analyst:	NSB		
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	8/30/2021	9:05:08 AM	62241		
Surr: BFB	105	70-130	%Rec	1	8/30/2021	9:05:08 AM	62241		
EPA METHOD 8021B: VOLATILES						Analyst:	NSB		
Benzene	ND	0.023	mg/Kg	1	8/30/2021	9:05:08 AM	62241		
Toluene	ND	0.047	mg/Kg	1	8/30/2021	9:05:08 AM	62241		
Ethylbenzene	ND	0.047	mg/Kg	1	8/30/2021	9:05:08 AM	62241		
Xylenes, Total	ND	0.094	mg/Kg	1	8/30/2021	9:05:08 AM	62241		
Surr: 4-Bromofluorobenzene	97.7	70-130	%Rec	1	8/30/2021	9:05:08 AM	62241		

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

Qualifiers:

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

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 1 of 8

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2108F55

Date Reported: 9/1/2021

CLIENT: EOG	Client Sample ID: TH-A/15'							
Project: Roy SWD 3		(Collection Dat					
Lab ID: 2108F55-002	Matrix: SOIL		Received Date	e: 8/2	27/2021 7:2	20:00 AM		
Analyses	Result	RL	Qual Units	DF	Date Ana	lyzed	Batch	
EPA METHOD 300.0: ANIONS						Analyst:	VP	
Chloride	5600	300	mg/Kg	100	8/27/2021	11:24:52 PM	62252	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst:	SB	
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	8/28/2021	12:56:52 PM	62246	
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	8/28/2021	12:56:52 PM	62246	
Surr: DNOP	120	70-130	%Rec	1	8/28/2021	12:56:52 PM	62246	
EPA METHOD 8015D: GASOLINE RANGE	E					Analyst:	NSB	
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	8/30/2021	9:28:41 AM	62241	
Surr: BFB	104	70-130	%Rec	1	8/30/2021	9:28:41 AM	62241	
EPA METHOD 8021B: VOLATILES						Analyst:	NSB	
Benzene	ND	0.024	mg/Kg	1	8/30/2021	9:28:41 AM	62241	
Toluene	ND	0.049	mg/Kg	1	8/30/2021	9:28:41 AM	62241	
Ethylbenzene	ND	0.049	mg/Kg	1	8/30/2021	9:28:41 AM	62241	
Xylenes, Total	ND	0.098	mg/Kg	1	8/30/2021	9:28:41 AM	62241	
Surr: 4-Bromofluorobenzene	97.3	70-130	%Rec	1	8/30/2021	9:28:41 AM	62241	

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

Qualifiers:

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

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 2 of 8

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2108F55

Date Reported: 9/1/2021

CLIENT: EOG	Client Sample ID: TH-A/19'							
Project: Roy SWD 3		(Collection Dat					
Lab ID: 2108F55-003	Matrix: SOIL		Received Date	e: 8/2	27/2021 7:20	0:00 AM		
Analyses	Result	RL	Qual Units	DF	Date Anal	lyzed	Batch	
EPA METHOD 300.0: ANIONS						Analyst:	VP	
Chloride	6800	300	mg/Kg	100	8/27/2021	11:37:16 PM	62252	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst:	SB	
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	8/28/2021	1:20:48 PM	62246	
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	8/28/2021	1:20:48 PM	62246	
Surr: DNOP	117	70-130	%Rec	1	8/28/2021	1:20:48 PM	62246	
EPA METHOD 8015D: GASOLINE RANGE	E					Analyst:	NSB	
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	8/30/2021 9	9:52:12 AM	62241	
Surr: BFB	105	70-130	%Rec	1	8/30/2021 9	9:52:12 AM	62241	
EPA METHOD 8021B: VOLATILES						Analyst:	NSB	
Benzene	ND	0.024	mg/Kg	1	8/30/2021	9:52:12 AM	62241	
Toluene	ND	0.049	mg/Kg	1	8/30/2021 9	9:52:12 AM	62241	
Ethylbenzene	ND	0.049	mg/Kg	1	8/30/2021 9	9:52:12 AM	62241	
Xylenes, Total	ND	0.098	mg/Kg	1	8/30/2021 9	9:52:12 AM	62241	
Surr: 4-Bromofluorobenzene	98.4	70-130	%Rec	1	8/30/2021 9	9:52:12 AM	62241	

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

Qualifiers:

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

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2108F55

Date Reported: 9/1/2021

CLIENT: EOG		Cl	ient Sample II	D: TH	I-A/23'	
Project: Roy SWD 3		(Collection Dat	e: 8/2	25/2021 1:10:00 PM	
Lab ID: 2108F55-004	Matrix: SOIL		Received Dat	e: 8/2	27/2021 7:20:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	3300	150	mg/Kg	50	8/27/2021 11:49:40 PM	62252
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	8/28/2021 1:44:44 PM	62246
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	8/28/2021 1:44:44 PM	62246
Surr: DNOP	116	70-130	%Rec	1	8/28/2021 1:44:44 PM	62246
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	8/30/2021 10:15:44 AM	62241
Surr: BFB	104	70-130	%Rec	1	8/30/2021 10:15:44 AM	62241
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	8/30/2021 10:15:44 AM	62241
Toluene	ND	0.047	mg/Kg	1	8/30/2021 10:15:44 AM	62241
Ethylbenzene	ND	0.047	mg/Kg	1	8/30/2021 10:15:44 AM	62241
Xylenes, Total	ND	0.094	mg/Kg	1	8/30/2021 10:15:44 AM	62241
Surr: 4-Bromofluorobenzene	97.5	70-130	%Rec	1	8/30/2021 10:15:44 AM	62241

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

Qualifiers:

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

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range

RL Reporting Limit

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	WO#:	2108F55
Iall Environmental Analysis Laboratory, Inc.		01-Sep-21

Client:	EOG										
Project:	Roy SW	D 3									
Sample ID:	MB-62252	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	300.0: Anion	S		
Client ID:	PBS	Batch	ID: 62	252	F	RunNo: 80	0852				
Prep Date:	8/27/2021	Analysis D	ate: 8/	27/2021	S	SeqNo: 28	854213	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID:	LCS-62252	SampT	ype: LC	s	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID:	LCSS	Batch	ID: 62	252	F	RunNo: 8(0852				
Prep Date:	8/27/2021	Analysis D	ate: 8/	27/2021	5	SeqNo: 28	854214	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	94.6	90	110			

Qualifiers:

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

- Analyte detected in the associated Method Blank В
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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AKY KEPUKI	WO#:	2108F55	
nental Analysis Laboratory, Inc.		01-Sep-21	

Client: EOG				
Project: Roy SW	D 3			
Sample ID: MB-62246	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range	e Organics
Client ID: PBS	Batch ID: 62246	RunNo: 80889		
Prep Date: 8/27/2021	Analysis Date: 8/28/2021	SeqNo: 2854737	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	128 70	130	
Sample ID: LCS-62246	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range	e Organics
Client ID: LCSS	Batch ID: 62246	RunNo: 80889		
Prep Date: 8/27/2021	Analysis Date: 8/28/2021	SeqNo: 2854738	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Diesel Range Organics (DRO)	46 10 50.00	0 92.4 68.9	141	
Surr: DNOP	5.0 5.000	101 70	130	
Sample ID: MB-62253	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range	e Organics
Client ID: PBS	Batch ID: 62253	RunNo: 80906		
Prep Date: 8/28/2021	Analysis Date: 8/30/2021	SeqNo: 2856141	Units: %Rec	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Surr: DNOP	11 10.00	108 70	130	
Surr: DNOP Sample ID: LCS-62253	11 10.00 SampType: LCS	108 70 TestCode: EPA Method		e Organics
				e Organics
Sample ID: LCS-62253	SampType: LCS	TestCode: EPA Method		e Organics
Sample ID: LCS-62253 Client ID: LCSS	SampType: LCS Batch ID: 62253 Analysis Date: 8/30/2021	TestCode: EPA Method RunNo: 80906	8015M/D: Diesel Range	e Organics 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

EOG

Client:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Project: Roy SW	D 3			
Sample ID: mb-62241	SampType: MBLK	TestCode: EPA Method	8015D: Gasoline Range	
Client ID: PBS	Batch ID: 62241	RunNo: 80896		
Prep Date: 8/27/2021	Analysis Date: 8/30/2021	SeqNo: 2855133	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit	Qual
Gasoline Range Organics (GRO)	ND 5.0			
Surr: BFB	1100 1000	107 70	130	
Sample ID: Ics-62241	SampType: LCS	TestCode: EPA Method	8015D: Gasoline Range	
Client ID: LCSS	Batch ID: 62241	RunNo: 80896		
Prep Date: 8/27/2021	Analysis Date: 8/30/2021	SeqNo: 2855134	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit	Qual
Gasoline Range Organics (GRO)	27 5.0 25.00	0 107 78.6	131	
Surr: BFB	1200 1000	116 70	130	
Sample ID: mb-62243	SampType: MBLK	TestCode: EPA Method	8015D: Gasoline Range	
Client ID: PBS	Batch ID: 62243	RunNo: 80896		
Prep Date: 8/27/2021	Analysis Date: 8/30/2021	SeqNo: 2855152	Units: %Rec	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit	Qual
Surr: BFB	1100 1000	111 70	130	
Sample ID: Ics-62243	SampType: LCS	TestCode: EPA Method	8015D: Gasoline Range	
Client ID: LCSS	Batch ID: 62243	RunNo: 80896		
Prep Date: 8/27/2021	Analysis Date: 8/30/2021	SeqNo: 2855153	Units: %Rec	
Analyte	Result PQL SPK value		HighLimit %RPD RPDLimit	Qual

1200 1000 120 70

Qualifiers:

Surr: BFB

- * 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

130

- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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WO#: 2108F55 01-Sep-21

WO#:	2108F55
	01 6 21

Client: Project:	EOG Roy SWI	03									
Sample ID:	mb-62241	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8021B: Volat	iles		
Client ID:	PBS	Batcl	h ID: 62	241	F	RunNo: 8	0896				
Prep Date:	8/27/2021	Analysis D	Date: 8/	30/2021	ç	SeqNo: 2	855181	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		ND	0.025					5			
Toluene		ND	0.050								
Ethylbenzene		ND	0.050								
Xylenes, Total		ND	0.10								
•	ofluorobenzene	1.0		1.000		99.8	70	130			
Sample ID:	LCS-62241	SampT	ype: LC	s	Tes	tCode: EF	PA Method	8021B: Volat	iles		
Client ID:	LCSS	Batcl	h ID: 62	241	F	RunNo: 8	0896				
Prep Date:	8/27/2021	Analysis D	Date: 8/	30/2021	S	SeqNo: 28	855182	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.98	0.025	1.000	0	97.9	80	120			
Toluene		0.98	0.050	1.000	0	98.5	80	120			
Ethylbenzene		0.98	0.050	1.000	0	98.2	80	120			
Xylenes, Total		2.9	0.10	3.000	0	97.6	80	120			
Surr: 4-Brom	nofluorobenzene	1.0		1.000		101	70	130			
Sample ID:	mb-62243	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8021B: Volat	iles		
Client ID:	PBS	Batcl	h ID: 62	243	F	RunNo: 8	0896				
Prep Date:	8/27/2021	Analysis D	Date: 8/	/30/2021	S	SeqNo: 28	855200	Units: %Rec	;		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Brom	ofluorobenzene	1.0		1.000		102	70	130			
Sample ID:	LCS-62243	SampT	ype: LC	s	Tes	tCode: EF	PA Method	8021B: Volat	iles		
Client ID:	LCSS	Batcl	h ID: 62	243	F	RunNo: 8	0896				
Prep Date:	8/27/2021	Analysis D	Date: 8/	30/2021	S	SeqNo: 28	855201	Units: %Rec	:		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Brom	ofluorobenzene	1.0		1.000		101	70	130			

Qualifiers:

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

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

- 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

Received by	OCD:	3/16/2022	4:08:19 PM
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HALL ENVIRONMENTAL ANALYSIS LABORATORY	TEL: 505-345-3		wkins NE M 87109 Se 845-4107	ample Log-In Check List	
Client Name: EOG	Work Order Num	ber: 2108F55		RcptNo: 1	
Received By: Cheyenne Cason	8/27/2021 7:20:00	AM	chent	brok	
Completed By: Sean Livingston	8/27/2021 8:09:24	АМ	5	linde	
Reviewed By: JV2 8/27/21					
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 🗌	I NA 🗆	
5. Sample(s) in proper container(s)?		Yes 🔽	No 🗌	1	
6. Sufficient sample volume for indicated test(s)?	Yes 🔽	No 🗌		
7. Are samples (except VOA and ONG) proper	y 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 🔽	
0. Were any sample containers received broke	n?	Yes	No 🗸	# of preserved	1
1. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 🔽	No 🗌	bottles checked for pH: (<2 or ≥12 unless noted))
2. Are matrices correctly identified on Chain of	Custody?	Yes 🔽	No 🗌	Adjusted?	
3, Is it clear what analyses were requested?		Yes 🗹	No 🗌	1 401 01	
4. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes 🗹	No 🗌	Checked by: KP4 8	27
pecial Handling (if applicable)					
15. Was client notified of all discrepancies with	this order?	Yes 🗌	No	NA 🗹	
Person Notified:	Date	1			
By Whom:	Via:	eMail	Phone 🗌 Fa	ax 🔄 In Person	
Regarding:					
Client Instructions:					
6. Additional remarks:					
17. <u>Cooler Information</u> Cooler No Temp ºC Condition Se 1 4.7 Good	eal Intact Seal No	Seal Date	Signed By		

Page 1 of 1

Received	by	OCD:	3/16	/2022	4:08:19	PM	
				Jane -			

0	Chain	D-Jo-I	Chain-of-Custody Record	Turn-Around Time:	Time:	1			
Client:	EOG-Ar	rtesia / Re	Client: EOG-Artesia / Ranger Env.	Standard		X Rush 2 Davi 8/20/21		HALL ENVIRONMENTAL	
				Project Name: Roy Swo	B: Roy Swo J	т М			
Mailing	Address:	EOG - 10:	Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210						
Ranger	: PO Box	201179, 4	Ranger: PO Box 201179, Austin TX 78720	Project #: 53	375		Tel 5	Tel 505-345-3975 Eav 505-345-4107	
Phone	#: 521-3	Phone #: 521-335-1785						na	
email c	or Fax#:	Will@Rar	email or Fax#: Will@RangerEnv.com	Project Mana	Project Manager: W. Kierdorf	dorf	(
QA/QC	QA/QC Package:		Control / VEull Validation				ЮЯМ		
Accred	Accreditation:	D Az Co	Az Compliance	Samular: M	KTEROORF		/ OY		_
	AC	□ Other		On Ice:	M Yes	ON0			
EDC	EDD (Type)	Excel		# of Coolers:	1		SЯG		
				Cooler Temp(including CF):	(including CF); H	7-024.7	D)DS		
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	8) X∃Ti 108:H9 9binold:		
8/25/21	-	SNIL	_	1 x 402 JAR	77E	001	L X		Τ
-	13 04	-	TH-A/is'	-	1	200			1
	1307		TH- A/19'			003			Τ
-1	1310	-(TH-A (23'	-1	-1	TOC	7 7 7		
									Γ
									Ĩ
									Г
Date: 3/流/1	Time: 0 633	Relinquished by:	ed by:	Received by: Public Martin	Via:Cegler	Date Time 8/26/21 0622	Remarks; Bil	Remarks: Bill to EOG Artesia Need 20/20/21	
Date: QD:CD-r	Date: Time:	Relinquished by:	ed by:		Via:	Date Time	MA WA	11/1000	
12/10-10	1472	make	Notiona	MANAN	ANN	CCPI 4122			1
relac	Jave 17 1900 RUL	Aller				Res. This serves as notice of this 8 (27hr 07CO	s possibility. Any :	190 MMMM - 2	



September 01, 2021

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

RE: Roy SWD 3

OrderNo.: 2108G25

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 15 sample(s) on 8/28/2021 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

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2108G25

Date Reported: 9/1/2021

CLIENT	EOG	Client Sample ID: TT-1/0'
Project:	Roy SWD 3	Collection Date: 8/26/2021 4:49:00 PM
Lab ID:	2108G25-001	Matrix: MEOH (SOIL) Received Date: 8/28/2021 9:20:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	540	61	mg/Kg	20	8/30/2021 8:52:11 AM	62258
EPA METHOD 8015M/D: DIESEL RANGE OF	RGANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	8/28/2021 11:27:09 PM	62256
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	8/28/2021 11:27:09 PM	62256
Surr: DNOP	94.6	70-130	%Rec	1	8/28/2021 11:27:09 PM	62256
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: mb
Gasoline Range Organics (GRO)	ND	3.6	mg/Kg	1	8/30/2021 9:09:00 AM	R80888
Surr: BFB	86.4	70-130	%Rec	1	8/30/2021 9:09:00 AM	R80888
EPA METHOD 8021B: VOLATILES					Analyst	: mb
Benzene	ND	0.018	mg/Kg	1	8/30/2021 9:09:00 AM	R80888
Toluene	ND	0.036	mg/Kg	1	8/30/2021 9:09:00 AM	R80888
Ethylbenzene	ND	0.036	mg/Kg	1	8/30/2021 9:09:00 AM	R80888
Xylenes, Total	ND	0.071	mg/Kg	1	8/30/2021 9:09:00 AM	R80888
Surr: 4-Bromofluorobenzene	80.3	70-130	%Rec	1	8/30/2021 9:09:00 AM	R80888

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

Qualifiers:

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2108G25

Date Reported: 9/1/2021

CLIENT: EOG	Client Sample ID: TT-1/1'
Project: Roy SWD 3	Collection Date: 8/26/2021 4:52:00 PM
Lab ID: 2108G25-002	Matrix: MEOH (SOIL) Received Date: 8/28/2021 9:20:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	600	60	mg/Kg	20	8/30/2021 9:29:24 AM	62258
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	8/29/2021 12:40:15 AM	62256
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	8/29/2021 12:40:15 AM	62256
Surr: DNOP	108	70-130	%Rec	1	8/29/2021 12:40:15 AM	62256
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: mb
Gasoline Range Organics (GRO)	ND	3.5	mg/Kg	1	8/30/2021 9:29:00 AM	R80888
Surr: BFB	90.1	70-130	%Rec	1	8/30/2021 9:29:00 AM	R80888
EPA METHOD 8021B: VOLATILES					Analyst	: mb
Benzene	ND	0.018	mg/Kg	1	8/30/2021 9:29:00 AM	R80888
Toluene	ND	0.035	mg/Kg	1	8/30/2021 9:29:00 AM	R80888
Ethylbenzene	ND	0.035	mg/Kg	1	8/30/2021 9:29:00 AM	R80888
Xylenes, Total	ND	0.070	mg/Kg	1	8/30/2021 9:29:00 AM	R80888
Surr: 4-Bromofluorobenzene	81.2	70-130	%Rec	1	8/30/2021 9:29:00 AM	R80888

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

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Roy SWD 3

2108G25-003

CLIENT: EOG

Project:

Lab ID:

Analyses

Analytical Report Lab Order 2108G25

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 9/1/2021 Client Sample ID: TT-1/2'

Collection Date: 8/26/2021 4:54:00 PM Matrix: MEOH (SOIL) Received Date: 8/28/2021 9:20:00 AM

Result **RL** Oual Units **DF** Date Analyzed Batch EBA METHOD 200 0. ANIONS

EPA METHOD 300.0: ANIONS					Analyst	VP
Chloride	560	60	mg/Kg	20	8/30/2021 9:41:48 AM	62258
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst:	SB
Diesel Range Organics (DRO)	ND	9.1	mg/Kg	1	8/29/2021 1:04:37 AM	62256
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	8/29/2021 1:04:37 AM	62256
Surr: DNOP	107	70-130	%Rec	1	8/29/2021 1:04:37 AM	62256
EPA METHOD 8015D: GASOLINE RANGE					Analyst:	mb
Gasoline Range Organics (GRO)	ND	2.9	mg/Kg	1	8/30/2021 9:49:00 AM	R80888
Surr: BFB	89.3	70-130	%Rec	1	8/30/2021 9:49:00 AM	R80888
EPA METHOD 8021B: VOLATILES					Analyst:	mb
Benzene	ND	0.014	mg/Kg	1	8/30/2021 9:49:00 AM	R80888
Toluene	ND	0.029	mg/Kg	1	8/30/2021 9:49:00 AM	R80888
Ethylbenzene	ND	0.029	mg/Kg	1	8/30/2021 9:49:00 AM	R80888
Xylenes, Total	ND	0.057	mg/Kg	1	8/30/2021 9:49:00 AM	R80888
Surr: 4-Bromofluorobenzene	81.2	70-130	%Rec	1	8/30/2021 9:49:00 AM	R80888

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

Qualifiers:

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

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2108G25

Date Reported: 9/1/2021

CLIENT: EOG	Client Sample ID: TT-1/3'
Project: Roy SWD 3	Collection Date: 8/26/2021 4:56:00 PM
Lab ID: 2108G25-004	Matrix: MEOH (SOIL) Received Date: 8/28/2021 9:20:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	460	60	mg/Kg	20	8/30/2021 9:54:12 AM	62258
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.0	mg/Kg	1	8/29/2021 1:29:07 AM	62256
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	8/29/2021 1:29:07 AM	62256
Surr: DNOP	108	70-130	%Rec	1	8/29/2021 1:29:07 AM	62256
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: mb
Gasoline Range Organics (GRO)	ND	4.0	mg/Kg	1	8/30/2021 10:09:00 AM	R80888
Surr: BFB	90.0	70-130	%Rec	1	8/30/2021 10:09:00 AM	R80888
EPA METHOD 8021B: VOLATILES					Analyst	: mb
Benzene	ND	0.020	mg/Kg	1	8/30/2021 10:09:00 AM	R80888
Toluene	ND	0.040	mg/Kg	1	8/30/2021 10:09:00 AM	R80888
Ethylbenzene	ND	0.040	mg/Kg	1	8/30/2021 10:09:00 AM	R80888
Xylenes, Total	ND	0.079	mg/Kg	1	8/30/2021 10:09:00 AM	R80888
Surr: 4-Bromofluorobenzene	80.9	70-130	%Rec	1	8/30/2021 10:09:00 AN	R80888

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

Qualifiers:

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2108G25

Date Reported: 9/1/2021

CLIENT	EOG	Client Sample ID: TT-1/4'
Project:	Roy SWD 3	Collection Date: 8/26/2021 4:58:00 PM
Lab ID:	2108G25-005	Matrix: MEOH (SOIL) Received Date: 8/28/2021 9:20:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: VP
Chloride	430	61	mg/Kg	20	8/30/2021 10:31:26 AM	62259
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	t: SB
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	8/29/2021 1:53:25 AM	62256
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	8/29/2021 1:53:25 AM	62256
Surr: DNOP	109	70-130	%Rec	1	8/29/2021 1:53:25 AM	62256
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: mb
Gasoline Range Organics (GRO)	ND	3.3	mg/Kg	1	8/30/2021 10:29:00 AM	1 R80888
Surr: BFB	86.0	70-130	%Rec	1	8/30/2021 10:29:00 AM	1 R80888
EPA METHOD 8021B: VOLATILES					Analys	t: mb
Benzene	ND	0.016	mg/Kg	1	8/30/2021 10:29:00 AM	1 R80888
Toluene	ND	0.033	mg/Kg	1	8/30/2021 10:29:00 AM	1 R80888
Ethylbenzene	ND	0.033	mg/Kg	1	8/30/2021 10:29:00 AM	1 R80888
Xylenes, Total	ND	0.066	mg/Kg	1	8/30/2021 10:29:00 AM	1 R80888
Surr: 4-Bromofluorobenzene	78.7	70-130	%Rec	1	8/30/2021 10:29:00 AM	1 R80888

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

Qualifiers:

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2108G25

Date Reported: 9/1/2021

CLIENT	EOG	Client Sample ID: TT-2/0'
Project:	Roy SWD 3	Collection Date: 8/26/2021 4:59:00 PM
Lab ID:	2108G25-006	Matrix: MEOH (SOIL) Received Date: 8/28/2021 9:20:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	480	60	mg/Kg	20	8/30/2021 10:43:51 AM	62259
EPA METHOD 8015M/D: DIESEL RANGE (ORGANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	8/29/2021 2:17:54 AM	62256
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	8/29/2021 2:17:54 AM	62256
Surr: DNOP	109	70-130	%Rec	1	8/29/2021 2:17:54 AM	62256
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: mb
Gasoline Range Organics (GRO)	ND	3.4	mg/Kg	1	8/30/2021 10:49:00 AM	R80888
Surr: BFB	90.1	70-130	%Rec	1	8/30/2021 10:49:00 AM	R80888
EPA METHOD 8021B: VOLATILES					Analyst	: mb
Benzene	ND	0.017	mg/Kg	1	8/30/2021 10:49:00 AN	R80888
Toluene	ND	0.034	mg/Kg	1	8/30/2021 10:49:00 AM	R80888
Ethylbenzene	ND	0.034	mg/Kg	1	8/30/2021 10:49:00 AM	R80888
Xylenes, Total	ND	0.068	mg/Kg	1	8/30/2021 10:49:00 AM	R80888
Surr: 4-Bromofluorobenzene	80.2	70-130	%Rec	1	8/30/2021 10:49:00 AM	R80888

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

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Analytical Report Lab Order 2108G25

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 9/1/2021 **CLIENT: EOG** Client Sample ID: TT-2/1' **Project:** Roy SWD 3 Collection Date: 8/26/2021 5:00:00 PM 2108G25-007 Lab ID: Matrix: MEOH (SOIL) Received Date: 8/28/2021 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyz	ed	Batch
EPA METHOD 300.0: ANIONS							Analyst:	VP
Chloride	380	60		mg/Kg	20	8/30/2021 10:	56:16 AM	62259
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS						Analyst:	SB
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	8/29/2021 2:4	2:14 AM	62256
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/29/2021 2:4	2:14 AM	62256
Surr: DNOP	109	70-130		%Rec	1	8/29/2021 2:4	2:14 AM	62256
EPA METHOD 8015D: GASOLINE RANGE							Analyst:	mb
Gasoline Range Organics (GRO)	ND	3.0		mg/Kg	1	8/30/2021 11:	09:00 AM	R80888
Surr: BFB	89.1	70-130		%Rec	1	8/30/2021 11:	09:00 AM	R80888
EPA METHOD 8021B: VOLATILES							Analyst:	mb
Benzene	ND	0.015		mg/Kg	1	8/30/2021 11:	09:00 AM	R80888
Toluene	ND	0.030		mg/Kg	1	8/30/2021 11:	09:00 AM	R80888
Ethylbenzene	ND	0.030		mg/Kg	1	8/30/2021 11:	09:00 AM	R80888
Xylenes, Total	ND	0.059		mg/Kg	1	8/30/2021 11:	09:00 AM	R80888
Surr: 4-Bromofluorobenzene	79.7	70-130		%Rec	1	8/30/2021 11:	09:00 AM	R80888

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

Qualifiers:

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

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2108G25

Date Reported: 9/1/2021

CLIENT	EOG	Client Sample ID: TT-2/2'
Project:	Roy SWD 3	Collection Date: 8/26/2021 5:02:00 PM
Lab ID:	2108G25-008	Matrix: MEOH (SOIL) Received Date: 8/28/2021 9:20:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	720	59	mg/Kg	20	8/30/2021 11:08:40 AM	62259
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	8/29/2021 3:06:44 AM	62256
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	8/29/2021 3:06:44 AM	62256
Surr: DNOP	110	70-130	%Rec	1	8/29/2021 3:06:44 AM	62256
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: mb
Gasoline Range Organics (GRO)	ND	4.2	mg/Kg	1	8/30/2021 11:29:00 AM	R80888
Surr: BFB	88.1	70-130	%Rec	1	8/30/2021 11:29:00 AM	R80888
EPA METHOD 8021B: VOLATILES					Analyst	: mb
Benzene	ND	0.021	mg/Kg	1	8/30/2021 11:29:00 AM	R80888
Toluene	ND	0.042	mg/Kg	1	8/30/2021 11:29:00 AM	R80888
Ethylbenzene	ND	0.042	mg/Kg	1	8/30/2021 11:29:00 AM	R80888
Xylenes, Total	ND	0.084	mg/Kg	1	8/30/2021 11:29:00 AM	R80888
Surr: 4-Bromofluorobenzene	78.2	70-130	%Rec	1	8/30/2021 11:29:00 AN	R80888

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

Qualifiers:

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2108G25

Date Reported: 9/1/2021

CLIENT:	EOG	Client Sample ID: TT-2/3'
Project:	Roy SWD 3	Collection Date: 8/26/2021 5:03:00 PM
Lab ID:	2108G25-009	Matrix: MEOH (SOIL) Received Date: 8/28/2021 9:20:00 AM

Analyses	Result	RL (Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	570	60	mg/Kg	20	8/30/2021 11:21:04 AM	62259
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	8/29/2021 3:31:00 AM	62256
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	8/29/2021 3:31:00 AM	62256
Surr: DNOP	108	70-130	%Rec	1	8/29/2021 3:31:00 AM	62256
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: mb
Gasoline Range Organics (GRO)	ND	2.8	mg/Kg	1	8/30/2021 11:49:00 AM	R80888
Surr: BFB	86.7	70-130	%Rec	1	8/30/2021 11:49:00 AM	R80888
EPA METHOD 8021B: VOLATILES					Analyst	: mb
Benzene	ND	0.014	mg/Kg	1	8/30/2021 11:49:00 AM	R80888
Toluene	ND	0.028	mg/Kg	1	8/30/2021 11:49:00 AM	R80888
Ethylbenzene	ND	0.028	mg/Kg	1	8/30/2021 11:49:00 AM	R80888
Xylenes, Total	ND	0.055	mg/Kg	1	8/30/2021 11:49:00 AM	R80888
Surr: 4-Bromofluorobenzene	78.3	70-130	%Rec	1	8/30/2021 11:49:00 AM	R80888

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

Qualifiers:

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order **2108G25** Date Reported: **9/1/2021**

CLIENT	EOG	Client Sample ID: TT-2/4'
Project:	Roy SWD 3	Collection Date: 8/26/2021 5:05:00 PM
Lab ID:	2108G25-010	Matrix: MEOH (SOIL) Received Date: 8/28/2021 9:20:00 AM

Analyses	Result	RL (Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	650	59	mg/Kg	20	8/30/2021 11:58:17 AN	62259
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	8/29/2021 3:55:26 AM	62256
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	8/29/2021 3:55:26 AM	62256
Surr: DNOP	109	70-130	%Rec	1	8/29/2021 3:55:26 AM	62256
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: mb
Gasoline Range Organics (GRO)	ND	3.6	mg/Kg	1	8/30/2021 12:08:00 PN	R80888
Surr: BFB	93.7	70-130	%Rec	1	8/30/2021 12:08:00 PM	R80888
EPA METHOD 8021B: VOLATILES					Analyst	t: mb
Benzene	ND	0.018	mg/Kg	1	8/30/2021 12:08:00 PN	R80888
Toluene	ND	0.036	mg/Kg	1	8/30/2021 12:08:00 PM	R80888
Ethylbenzene	ND	0.036	mg/Kg	1	8/30/2021 12:08:00 PM	R80888
Xylenes, Total	ND	0.073	mg/Kg	1	8/30/2021 12:08:00 PM	R80888
Surr: 4-Bromofluorobenzene	80.8	70-130	%Rec	1	8/30/2021 12:08:00 PM	R80888

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2108G25

Date Reported: 9/1/2021

CLIENT: EOG	Client Sample ID: TT-3/0'
Project: Roy SWD 3	Collection Date: 8/26/2021 5:06:00 PM
Lab ID: 2108G25-011	Matrix: MEOH (SOIL) Received Date: 8/28/2021 9:20:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	2600	150	mg/Kg	50	8/30/2021 1:12:44 PM	62259
EPA METHOD 8015M/D: DIESEL RANGE OF	RGANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	8/29/2021 4:19:42 AM	62256
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	8/29/2021 4:19:42 AM	62256
Surr: DNOP	111	70-130	%Rec	1	8/29/2021 4:19:42 AM	62256
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: mb
Gasoline Range Organics (GRO)	ND	3.6	mg/Kg	1	8/30/2021 12:48:00 PM	R80888
Surr: BFB	89.9	70-130	%Rec	1	8/30/2021 12:48:00 PM	R80888
EPA METHOD 8021B: VOLATILES					Analyst	: mb
Benzene	ND	0.018	mg/Kg	1	8/30/2021 12:48:00 PM	R80888
Toluene	ND	0.036	mg/Kg	1	8/30/2021 12:48:00 PM	R80888
Ethylbenzene	ND	0.036	mg/Kg	1	8/30/2021 12:48:00 PM	R80888
Xylenes, Total	ND	0.072	mg/Kg	1	8/30/2021 12:48:00 PM	R80888
Surr: 4-Bromofluorobenzene	80.3	70-130	%Rec	1	8/30/2021 12:48:00 PM	R80888

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2108G25

Date Reported: 9/1/2021

CLIENT: EOG	Client Sample ID: TT-3/1'
Project: Roy SWD 3	Collection Date: 8/26/2021 5:08:00 PM
Lab ID: 2108G25-012	Matrix: MEOH (SOIL) Received Date: 8/28/2021 9:20:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: VP
Chloride	1400	60	mg/Kg	20	8/30/2021 12:23:06 PM	62259
EPA METHOD 8015M/D: DIESEL RANGE O	RGANICS				Analys	t: SB
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	8/29/2021 4:44:07 AM	62256
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	8/29/2021 4:44:07 AM	62256
Surr: DNOP	111	70-130	%Rec	1	8/29/2021 4:44:07 AM	62256
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	8/30/2021 1:48:21 PM	62241
Surr: BFB	106	70-130	%Rec	1	8/30/2021 1:48:21 PM	62241
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.023	mg/Kg	1	8/30/2021 1:48:21 PM	62241
Toluene	ND	0.046	mg/Kg	1	8/30/2021 1:48:21 PM	62241
Ethylbenzene	ND	0.046	mg/Kg	1	8/30/2021 1:48:21 PM	62241
Xylenes, Total	ND	0.092	mg/Kg	1	8/30/2021 1:48:21 PM	62241
Surr: 4-Bromofluorobenzene	97.6	70-130	%Rec	1	8/30/2021 1:48:21 PM	62241

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

Qualifiers:

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range

RL Reporting Limit Page 12 of 21

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2108G25

Date Reported: 9/1/2021

CLIENT:	EOG	Client Sample ID: TT-3/2'
Project:	Roy SWD 3	Collection Date: 8/26/2021 5:09:00 PM
Lab ID:	2108G25-013	Matrix: MEOH (SOIL) Received Date: 8/28/2021 9:20:00 AM

Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	740	60	mg/Kg	20	8/30/2021 12:35:30 PM	62259
EPA METHOD 8015M/D: DIESEL RANGE OF	RGANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	8/29/2021 5:08:26 AM	62256
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	8/29/2021 5:08:26 AM	62256
Surr: DNOP	110	70-130	%Rec	1	8/29/2021 5:08:26 AM	62256
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	3.7	mg/Kg	1	8/30/2021 2:12:02 PM	62241
Surr: BFB	108	70-130	%Rec	1	8/30/2021 2:12:02 PM	62241
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.018	mg/Kg	1	8/30/2021 2:12:02 PM	62241
Toluene	ND	0.037	mg/Kg	1	8/30/2021 2:12:02 PM	62241
Ethylbenzene	ND	0.037	mg/Kg	1	8/30/2021 2:12:02 PM	62241
Xylenes, Total	ND	0.073	mg/Kg	1	8/30/2021 2:12:02 PM	62241
Surr: 4-Bromofluorobenzene	99.4	70-130	%Rec	1	8/30/2021 2:12:02 PM	62241

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

Qualifiers:

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2108G25

Date Reported: 9/1/2021

CLIENT: EOG	Client Sample ID: TT-3/3'
Project: Roy SWD 3	Collection Date: 8/26/2021 5:10:00 PM
Lab ID: 2108G25-014	Matrix: MEOH (SOIL) Received Date: 8/28/2021 9:20:00 AM

Analyses	Result	RL (Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	t: VP
Chloride	750	60	mg/Kg	20	8/30/2021 12:47:55 PN	62259
EPA METHOD 8015M/D: DIESEL RANGE O	RGANICS				Analyst	t: SB
Diesel Range Organics (DRO)	ND	9.0	mg/Kg	1	8/29/2021 5:33:12 AM	62256
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	8/29/2021 5:33:12 AM	62256
Surr: DNOP	110	70-130	%Rec	1	8/29/2021 5:33:12 AM	62256
EPA METHOD 8015D: GASOLINE RANGE					Analyst	t: NSB
Gasoline Range Organics (GRO)	ND	4.1	mg/Kg	1	8/30/2021 2:35:43 PM	62241
Surr: BFB	107	70-130	%Rec	1	8/30/2021 2:35:43 PM	62241
EPA METHOD 8021B: VOLATILES					Analyst	t: NSB
Benzene	ND	0.020	mg/Kg	1	8/30/2021 2:35:43 PM	62241
Toluene	ND	0.041	mg/Kg	1	8/30/2021 2:35:43 PM	62241
Ethylbenzene	ND	0.041	mg/Kg	1	8/30/2021 2:35:43 PM	62241
Xylenes, Total	ND	0.081	mg/Kg	1	8/30/2021 2:35:43 PM	62241
Surr: 4-Bromofluorobenzene	99.6	70-130	%Rec	1	8/30/2021 2:35:43 PM	62241

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

Qualifiers:

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2108G25

Date Reported: 9/1/2021

CLIENT:	EOG	Client Sample ID: TT-3/4'
Project:	Roy SWD 3	Collection Date: 8/26/2021 5:11:00 PM
Lab ID:	2108G25-015	Matrix: MEOH (SOIL) Received Date: 8/28/2021 9:20:00 AM

Result	RL	Qual Units	DF	Date Analyzed	Batch
				Analyst	: VP
650	59	mg/Kg	20	8/30/2021 1:00:19 PM	62259
GANICS				Analyst	: SB
ND	9.8	mg/Kg	1	8/29/2021 5:57:30 AM	62256
ND	49	mg/Kg	1	8/29/2021 5:57:30 AM	62256
115	70-130	%Rec	1	8/29/2021 5:57:30 AM	62256
				Analyst	: NSB
ND	3.7	mg/Kg	1	8/30/2021 2:59:29 PM	62241
106	70-130	%Rec	1	8/30/2021 2:59:29 PM	62241
				Analyst	: NSB
ND	0.019	mg/Kg	1	8/30/2021 2:59:29 PM	62241
ND	0.037	mg/Kg	1	8/30/2021 2:59:29 PM	62241
ND	0.037	mg/Kg	1	8/30/2021 2:59:29 PM	62241
ND	0.075	mg/Kg	1	8/30/2021 2:59:29 PM	62241
96.1	70-130	%Rec	1	8/30/2021 2:59:29 PM	62241
	650 GANICS ND ND 115 ND 106 ND ND ND ND ND	650 59 GANICS ND 9.8 ND 49 115 70-130 ND 3.7 106 70-130 ND 0.019 ND 0.037 ND 0.037 ND 0.037 ND 0.075	650 59 mg/Kg GANICS ND 9.8 mg/Kg ND 49 mg/Kg 115 70-130 %Rec ND 3.7 mg/Kg 106 70-130 %Rec ND 0.019 mg/Kg ND 0.037 mg/Kg ND 0.037 mg/Kg ND 0.075 mg/Kg	650 59 mg/Kg 20 GANICS ND 9.8 mg/Kg 1 ND 49 mg/Kg 1 115 70-130 %Rec 1 ND 3.7 mg/Kg 1 106 70-130 %Rec 1 ND 0.019 mg/Kg 1 ND 0.037 mg/Kg 1	Analyst 650 59 mg/Kg 20 8/30/2021 1:00:19 PM GANICS Analyst ND 9.8 mg/Kg 1 8/29/2021 5:57:30 AM ND 49 mg/Kg 1 8/29/2021 5:57:30 AM 115 70-130 %Rec 1 8/29/2021 5:57:30 AM MD 49 mg/Kg 1 8/29/2021 5:57:30 AM ND 3.7 mg/Kg 1 8/29/2021 5:57:30 AM ND 3.7 mg/Kg 1 8/30/2021 2:59:29 PM ND 3.7 mg/Kg 1 8/30/2021 2:59:29 PM 106 70-130 %Rec 1 8/30/2021 2:59:29 PM ND 0.019 mg/Kg 1 8/30/2021 2:59:29 PM ND 0.037 mg/Kg 1

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

Qualifiers:

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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WO#:	2108 G	25
	01.0	

01-Sep-21

Client: Project:	EOG Roy SWI	D 3								
Sample ID:	MB-62258	SampType: MBL	.к	Tes	Code: EF	PA Method	300.0: Anion	5		
Client ID:	PBS	Batch ID: 6225	58	F	unNo: 80	0882				
Prep Date:	8/30/2021	Analysis Date: 8/3	0/2021	S	eqNo: 2	855226	Units: mg/K	g		
Analyte Chloride		Result PQL ND 1.5	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sample ID:	LCS-62258	SampType: LCS		Tes	Code: EF	PA Method	300.0: Anions	5		
Client ID:	LCSS	Batch ID: 6225	58	F	unNo: 80	0882				
Prep Date:	8/30/2021	Analysis Date: 8/3	0/2021	S	eqNo: 2	855227	Units: mg/K	g		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14 1.5	15.00	0	91.3	90	110			
Sample ID:	MB-62259	SampType: MBL	.к	Tes	Code: EF	PA Method	300.0: Anion	6		
Client ID:	PBS	Batch ID: 6225	59	F	unNo: 80	0882				
Prep Date:	8/30/2021	Analysis Date: 8/3	0/2021	S	eqNo: 2	855241	Units: mg/K	g		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND 1.5								
Sample ID:	LCS-62259	SampType: LCS		Tes	Code: EF	PA Method	300.0: Anions	5		
Client ID:	LCSS	Batch ID: 6225	59	F	unNo: 80	0882				
Prep Date:	8/30/2021	Analysis Date: 8/3	0/2021	S	eqNo: 2	855242	Units: mg/K	g		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14 1.5	15.00	0	92.3	90	110			

Qualifiers:

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

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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EOG

Client:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc

	WO#:	2108G25
Inc.		01-Sep-21

Project: Roy SW	VD 3									
Sample ID: LCS-62245	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch	n ID: 62	245	R	RunNo: 8	0890				
Prep Date: 8/27/2021	Analysis D	ate: 8/	28/2021	S	SeqNo: 28	854941	Units: %Re	C		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.6		5.000		92.5	70	130			
Sample ID: LCS-62256 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics										
Client ID: LCSS	Batch	n ID: 62	256	R	RunNo: 8	0890				
Prep Date: 8/28/2021	Analysis D	ate: 8/	28/2021	S	SeqNo: 28	854942	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	87.8	68.9	141			
Surr: DNOP	4.3		5.000		86.7	70	130			
Sample ID: MB-62245	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batch	n ID: 62	245	R	RunNo: 8	0890				
Prep Date: 8/27/2021	Analysis D	ate: 8/	28/2021	S	SeqNo: 28	854944	Units: %Re	C		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	12		10.00		122	70	130			
Sample ID: MB-62256	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: PBS	Batch	n ID: 62	256	R	RunNo: 8	0890				
Prep Date: 8/28/2021	Analysis D	ate: 8/	28/2021	S	SeqNo: 28	854945	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO) Surr: DNOP	ND	50	10.00		106	70	130			

Qualifiers:

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

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#:	2108G25
	01-Sep-21

Client: EOG Project: Roy SW	VD 3	
Sample ID: mb-62241	SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range	
Client ID: PBS	Batch ID: 62241 RunNo: 80896	
Prep Date: 8/27/2021	Analysis Date: 8/30/2021 SeqNo: 2855133 Units: mg/Kg	
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual	
Gasoline Range Organics (GRO) Surr: BFB	ND 5.0 1100 1000 107 70 130	
Sample ID: Ics-62241	SampType: LCS TestCode: EPA Method 8015D: Gasoline Range	
Client ID: LCSS	Batch ID: 62241 RunNo: 80896	
Prep Date: 8/27/2021	Analysis Date: 8/30/2021 SeqNo: 2855134 Units: mg/Kg	
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual	
Gasoline Range Organics (GRO)	27 5.0 25.00 0 107 78.6 131	
Surr: BFB	1200 1000 116 70 130	
Sample ID: mb-62243	SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range	
Client ID: PBS	Batch ID: 62243 RunNo: 80896	
Prep Date: 8/27/2021	Analysis Date: 8/30/2021 SeqNo: 2855152 Units: %Rec	
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual	
Surr: BFB	1100 1000 111 70 130	
Sample ID: Ics-62243	SampType: LCS TestCode: EPA Method 8015D: Gasoline Range	
Client ID: LCSS	Batch ID: 62243 RunNo: 80896	
Prep Date: 8/27/2021	Analysis Date: 8/30/2021 SeqNo: 2855153 Units: %Rec	
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual	
Surr: BFB	1200 1000 120 70 130	
Sample ID: MB-Water	SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range	
Client ID: PBS	Batch ID: R80888 RunNo: 80888	
Prep Date:	Analysis Date: 8/30/2021 SeqNo: 2855369 Units: mg/Kg	
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual	
Gasoline Range Organics (GRO) Surr: BFB	ND 5.0 940 1000 93.8 70 130	
Sample ID: mb-62248	SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range	
Client ID: PBS	Batch ID: 62248 RunNo: 80888	
Prep Date: 8/27/2021	Analysis Date: 8/30/2021 SeqNo: 2855370 Units: %Rec	
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual	
Surr: BFB	900 1000 90.5 70 130	

Qualifiers:

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

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

IKEPURI	WO#:	2108G25	
ntal Analysis Laboratory, Inc.		01-Sep-21	

Client:	EOG
Project:	Roy SWD 3

Sample ID: 2.5ug GRO LCS	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	е	
Client ID: LCSS	Batch	n ID: R8	0888	F	RunNo: 8	0888				
Prep Date:	Analysis D	ate: 8/	30/2021	5	SeqNo: 2	855371	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	99.6	78.6	131			
Surr: BFB	1100		1000		113	70	130			
Sample ID: Ics-62248	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID: LCSS	Batch	n ID: 62	248	F	RunNo: 8	0888				
Prep Date: 8/27/2021	Analysis D	ate: 8/	30/2021	S	SeqNo: 2	855372	Units: %Red	•		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1000		1000		104	70	130			

- * 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

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WO#:	2108G25

01-Sep-21

Project: Roy SWD 3 Sample ID: mb-62241 SampType: MBLK TestCode: EPA Method 8021B: Volatiles Client ID: PBS Batch ID: 62241 RunNo: 80896 Prep Date: 8/27/2021 Analysis Date: 8/30/2021 SeqNo: 2855181 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 Xylenes, Total ND 0.10 Surr: 4-Bromofluorobenzene 1.0 1.000 99.8 70 130 Sample ID: LCS-62241 SampType: LCS TestCode: EPA Method 8021B: Volatiles Client ID: LCSS Batch ID: 62241 RunNo: 80896 Prep Date: 8/30/2021 SeqNo: 2855182 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Benzene 0.98 0.025 1.000 97.9 80 120 20
Client ID:PBSBatch ID:62241RunNo:80896Prep Date:8/27/2021Analysis Date:8/30/2021SeqNo:2855181Units:mg/KgAnalyteResultPQLSPK valueSPK Ref Val%RECLowLimitHighLimit%RPDRPDLimitQualBenzeneND0.025
Prep Date: 8/27/2021 Analysis Date: 8/30/2021 SeqNo: 2855181 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Benzene ND 0.025
AnalyteResultPQLSPK valueSPK Ref Val%RECLowLimitHighLimit%RPDRPDLimitQualBenzeneND0.025TolueneND0.050EthylbenzeneND0.050Xylenes, TotalND0.10Surr: 4-Bromofluorobenzene1.01.00099.870Sample ID: LCS-62241SampType: LCSTestCode: EPA Method 8021B: VolatilesClient ID:LCSSBatch ID:62241RunNo:80896Prep Date:8/27/2021Analysis Date:8/30/2021SeqNo:2855182Units: mg/KgAnalyteResultPQLSPK valueSPK Ref Val%RECLowLimitHighLimit%RPDRPDLimitQual
Benzene ND 0.025 Toluene ND 0.050 Ethylbenzene ND 0.050 Xylenes, Total ND 0.10 Surr: 4-Bromofluorobenzene 1.0 1.000 99.8 70 130 Sample ID: LCS-62241 SampType: LCS TestCode: EPA Method 8021B: Volatiles Client ID: LCSS Batch ID: 62241 RunNo: 80896 Prep Date: 8/27/2021 Analysis Date: 8/30/2021 SeqNo: 2855182 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Toluene ND 0.050 Ethylbenzene ND 0.050 Xylenes, Total ND 0.10 Surr: 4-Bromofluorobenzene 1.0 1.000 99.8 70 130 Sample ID: LCS-62241 SampType: LCS TestCode: EPA Method 8021B: Volatiles Client ID: LCSS Batch ID: 62241 RunNo: 80896 Prep Date: 8/27/2021 Analysis Date: 8/30/2021 SeqNo: 2855182 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Ethylbenzene ND 0.050 Xylenes, Total ND 0.10 Surr: 4-Bromofluorobenzene 1.0 1.000 99.8 70 130 Sample ID: LCS-62241 SampType: LCS TestCode: EPA Method 8021B: Volatiles Client ID: LCSS Batch ID: 62241 RunNo: 80896 Prep Date: 8/27/2021 Analysis Date: 8/30/2021 SeqNo: 2855182 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Xylenes, Total ND 0.10 Surr: 4-Bromofluorobenzene 1.0 1.000 99.8 70 130 Sample ID: LCS-62241 SampType: LCS TestCode: EPA Method 8021B: Volatiles Client ID: LCSS Batch ID: 62241 RunNo: 80896 Prep Date: 8/27/2021 Analysis Date: 8/30/2021 SeqNo: 2855182 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: 4-Bromofluorobenzene 1.0 1.00 99.8 70 130 Sample ID: LCS-62241 SampType: LCS TestCode: EPA Method 8021B: Volatiles Client ID: LCSS Batch ID: 62241 RunNo: 80896 Prep Date: 8/27/2021 Analysis Date: 8/30/2021 SeqNo: 2855182 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Sample ID: LCS-62241 SampType: LCS TestCode: EPA Method 8021B: Volatiles Client ID: LCSS Batch ID: 62241 RunNo: 80896 Prep Date: 8/27/2021 Analysis Date: 8/30/2021 SeqNo: 2855182 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Client ID: LCSS Batch ID: 62241 RunNo: 80896 Prep Date: 8/27/2021 Analysis Date: 8/30/2021 SeqNo: 2855182 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Prep Date: 8/27/2021 Analysis Date: 8/30/2021 SeqNo: 2855182 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Benzene 0.98 0.025 1.000 0 97.9 80 120
Toluene 0.98 0.050 1.000 0 98.5 80 120
Ethylbenzene 0.98 0.050 1.000 0 98.2 80 120
Xylenes, Total 2.9 0.10 3.000 0 97.6 80 120
Surr: 4-Bromofluorobenzene 1.0 1.000 101 70 130
Sample ID: mb-62243 SampType: MBLK TestCode: EPA Method 8021B: Volatiles
Client ID: PBS Batch ID: 62243 RunNo: 80896
Prep Date: 8/27/2021 Analysis Date: 8/30/2021 SeqNo: 2855200 Units: %Rec
Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: 4-Bromofluorobenzene 1.0 1.000 102 70 130
Sample ID: LCS-62243 SampType: LCS TestCode: EPA Method 8021B: Volatiles
Client ID: LCSS Batch ID: 62243 RunNo: 80896
Prep Date: 8/27/2021 Analysis Date: 8/30/2021 SeqNo: 2855201 Units: %Rec
Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: 4-Bromofluorobenzene 1.0 1.000 101 70 130
Sample ID: MB-Water SampType: MBLK TestCode: EPA Method 8021B: Volatiles
Client ID: PBS Batch ID: R80888 RunNo: 80888
Prep Date: Analysis Date: 8/30/2021 SeqNo: 2855400 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

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#:	2108G25

01-Sep-21

Client: Project:	EOG Roy SWD	3									
Sample ID:	MB-Water	SampTy	vpe: ME	BLK	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID:	PBS	Batch	ID: R8	0888	F	RunNo: 8	0888				
Prep Date:		Analysis Da	ate: 8/	30/2021	S	SeqNo: 28	855400	Units: mg/Kg	9		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bron	nofluorobenzene	0.86		1.000		85.7	70	130			
Sample ID:	mb-62248	SampTy	vpe: ME	BLK	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID:	PBS	Batch	ID: 62	248	F	RunNo: 8	0888				
Prep Date:	8/27/2021	Analysis Da	ate: 8/	30/2021	S	SeqNo: 28	855401	Units: %Rec			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bron	nofluorobenzene	0.81		1.000		80.7	70	130			
Sample ID:	100ng BTEX LCS	SampTy	vpe: LC	s	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID:	LCSS	Batch	ID: R8	0888	F	RunNo: 8	0888				
Prep Date:		Analysis Da	ate: 8/	30/2021	5	SeqNo: 28	855402	Units: mg/Kg	9		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.88	0.025	1.000	0	87.7	80	120			
Toluene		0.91	0.050	1.000	0	91.0	80	120			
Ethylbenzene		0.94 2.9	0.050	1.000 3.000	0 0	93.9 95.1	80 80	120 120			
Xylenes, Total Surr: 4-Bron	nofluorobenzene	2.9 0.89	0.10	1.000	0	95.1 88.7	80 70	120			
Sample ID:	lcs-62248	SampTy		·e	Too	tCode: E	PA Method	8021B: Volati	les		
Client ID:								UUZID. VUIdli	163		
			ID: 62			RunNo: 80					
Prep Date:	8/27/2021	Analysis Da	ate: 8/	30/2021	5	SeqNo: 28	855403	Units: %Rec			
Analyte		Result	PQL		SPK Ref Val		LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bron	nofluorobenzene	0.83		1.000		83.0	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

Received by OCD: 3/16/2022 4:08:19 1	PM
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ENVIRONMENTAL ANALYSIS LABORATORY	tall Environmental Alb EL: 505-345-3975 Website: clients.ha	490 uquerq 5 FAX:	01 Haw Jue, NI 505-3	kins NE M 87109 45-4107	Sai	mple Log-In	Cheo	ck List
Client Name: EOG Wor	rk Order Number	: 210	8G25			RcptN	o: 1	
Received By: Desiree Dominguez 8/28/2	021 9:20:00 AM			17	2			
Completed By: Desiree Dominguez 8/28/2	021 9:45:07 AM			Tot	2			
Reviewed By: Cle 8/28				14	N			
Chain of Custody								
1. Is Chain of Custody complete?		Yes	~	N	o 🗌	Not Present		
2. How was the sample delivered?		Cou	rier					
Log In								
3. Was an attempt made to cool the samples?		Yes	~	N	•			
4. Were all samples received at a temperature of >0° C	to 6.0°C	Yes	~	N	•	NA 🗌		
5. Sample(s) in proper container(s)?		Yes	~	N	•			
6. Sufficient sample volume for indicated test(s)?		Yes	~	No				
7. Are samples (except VOA and ONG) properly preserved	ved?	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		# of preserved		/
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes	V	No		bottles checked for pH: (<2 c	or >12 ur	nless noted)
12. Are matrices correctly identified on Chain of Custody?	,	Yes	V	No		Adjusted2		C. 1. 1. 1. 1. 1. 1. 1.
13. Is it clear what analyses were requested?		Yes	V	No				
14. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes		No		Checked by:	DAD	8128/21
<u>Special Handling (if applicable)</u>								
15. Was client notified of all discrepancies with this order	?	Yes		No	b	NA 🔽		
Person Notified:	Date:	_			-			
By Whom:	Via:	eMa	il 🗆	Phone	Fax	In Person		
Regarding:		401010T		L.				
Client Instructions:								
16. Additional remarks:								
17. <u>Cooler Information</u>	6							

Cooler No Temp ^oC Condition Seal Intact Seal No Seal Date Signed By 1 1.7 Good Yes

Received by OCD: 3/16/2022 4:08:19 PM

)	oliaili-ui-custouy recolu					UALI ENVIDONMENTAL
Client:	EOG-Art	tesia / Ra	Client: EOG-Artesia / Ranger Env.	□ Standard	Rush SAME	SAME ORY		ANALYSIS LABORATORY
				Project Name:	Ray Swo	#3		www.hallenvironmental.com
Mailing /	Address: I	EOG - 105	Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210				4901 F	4901 Hawkins NE - Albuquerque, NM 87109
Ranger:	PO Box	201179, A	Ranger: PO Box 201179, Austin TX 78720	Project #: 53	5375		Tel. 50	Tel. 505-345-3975 Fax 505-345-4107
Phone :	Phone #: 521-335-1785	35-1785						Inal
email o	r Fax#: V	Nill@Ran	email or Fax#: Will@RangerEnv.com	Project Mana	Project Manager: W. Kierdorf	dorf	((
QA/QC Packag	QA/QC Package:		Level 4 (Full Validation)				ол мкс	
Accreditation:	tation:	D AZ Co	Az Compliance	Sampler: iv.	W. KTERDORF	P. MARTON		
INELAC	AC	□ Other		On Ice:	X Yes	ON D	1.1.7	
EDD	EDD (Type)	Excel		# of Coolers:	1		ิย	
				Cooler Temp)(including CF): .9	Cooler Temp(including cF): 1.9 - 0.2 = 1.7")DSI	
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	LIDSG25	BTEX (8 7PH:80	
8/26/21	1649	SOLL	10/1-11	1× 402 744	ICE	100-	XXX	
-	1553	-	11-11	Ē.		- 002		
	4591		TT-1/2'			-003		
	1556		TT-1/3'			400-		
	1658		TT-1/4'			-005		
	1659		.0/8-11.			- 006		
	0021		1/2-11			too-		
	1703		77-3/2'			- 00%		
	1703		77-3/31			-009		
	SOLI		.+/8-11			-010		
	1706		77-3/0'			110-		
+	1708	-1	77-3/1	1	-1	210-	TTT	
Date: Time: 3/27/3 66.50	Time: 6650	Relinquished by	uished by:	Received by:	Via:	Pate Time	Remarks: Bi	Remarks: Bill to EOG Artesia
Date:	Time:	Reling	ned by:	Received by:	Via:			
10-101	1900	UN1	ULLAN A	N	CONTLA	8/28/21 9:20		192 U/111111 CONTRY 5/28/21 9:20

Released to Imaging: 9/13/2022 3:05:29 PM

Received by OCD: 3/16/2022 4:08:19 PM

Client: E	EOG-Art	tesia / Ra	Client: EOG-Artesia / Ranger Env.	□ Standard	I K Rush	X Rush SAME CAY		Ц	HALL ENVIRONMENTAL	AL
				Project Nam	Project Name: Ray Swo #3	3				ł
Mailing A	vddress:	EOG - 10	Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210				4	901 Hav	4901 Hawkins NE - Alburuteration NM 87109	
Ranger:	PO Box	201179, 4	Ranger: PO Box 201179, Austin TX 78720	Project #: 5375	75			el. 505-	Tel: 505-345-3975 Fax: 505-345-4107	
Phone #	t: 521-3	Phone #: 521-335-1785		1					nal	
email or	Fax#: \	Nill@Rar	email or Fax#: Will@RangerEnv.com	Project Mana	Project Manager: W. Kierdorf	orf	(
QA/QC Package:	^a ackage: dard		Level 4 (Full Validation)				(OAM \ (
Accreditation:	ation:	D Az C	Az Compliance	Sampler: W. MILRON	1	K. MARTEN	рвс			
INELAC	AC	□ Other		On Ice:	R Yes	ON D	/0	_		
EDD (Type)	(Type)	Excel		# of Coolers:	# of Coolers: \		1.5	_		
				Cooler Temp		-0.2=1.7 %				
	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	3) XƏT8 3) XƏT8 708:H9T	Chloride		
3/26/21	1709	SOTL	77-3/2"	1× Unz JAA	BUE	-013	イイ	×		
_	1710	-	77-3/3'			-014	-	-		
_]	1111	-1	77-3/4'	+	1	-015	-)	-1		
J										
Date:	Time:	Relinquished by:	ed by:	Received by:	Via:	Date Time	Remark	s: Bill to	Remarks: Bill to EOG Artesia	
7/21	0650	(alon)	Maple		2 courie	COUNTIER 3/28/21 9:20				
Date:	Time:	Relinquished by:	ed by:	Received by:	Via:	Date Time				

Released to Imaging: 9/13/2022 3:05:29 PM



September 21, 2021 Will Kierdorf EOG 105 South Fourth Street

Artesia, NM 88210 TEL: FAX Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

OrderNo.: 2109586

RE: Roy SWD 3

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 2 sample(s) on 9/11/2021 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2109586

Date Reported: 9/21/2021

CLIENT: EOG		Cl	ient Sample II	D: NI	L-1						
Project: Roy SWD 3		(Collection Dat	e: 9/9	0/2021 4:29:00 PM	Batch					
Lab ID: 2109586-001	Matrix: SOIL		Received Dat	e: 9/1	1/2021 8:50:00 AM						
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch					
EPA METHOD 300.0: ANIONS					Analyst	: VP					
Chloride	530	60	mg/Kg	20	9/16/2021 8:42:15 AM	62615					
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB					
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	9/14/2021 11:13:20 AM	62547					
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	9/14/2021 11:13:20 AM	62547					
Surr: DNOP	107	70-130	%Rec	1	9/14/2021 11:13:20 AM	62547					
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: mb					
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	9/14/2021 12:06:00 PM	62543					
Surr: BFB	99.5	70-130	%Rec	1	9/14/2021 12:06:00 PM	62543					
EPA METHOD 8021B: VOLATILES					Analyst	: mb					
Benzene	ND	0.024	mg/Kg	1	9/14/2021 12:06:00 PM	62543					
Toluene	ND	0.048	mg/Kg	1	9/14/2021 12:06:00 PM	62543					
Ethylbenzene	ND	0.048	mg/Kg	1	9/14/2021 12:06:00 PM	62543					
Xylenes, Total	ND	0.096	mg/Kg	1	9/14/2021 12:06:00 PM	62543					
Surr: 4-Bromofluorobenzene	83.0	70-130	%Rec	1	9/14/2021 12:06:00 PM	62543					

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

Qualifiers:

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 1 of 6

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2109586

Date Reported: 9/21/2021

CLIENT: EOG			ient Sar	-						
Project: Roy SWD 3		(Collectio	on Dat	e:9/9	0/2021 4:32:00 PM				
Lab ID: 2109586-002	Matrix: SOIL		Receive	ed Dat	e: 9/1	1/2021 8:50:00 AM				
Analyses	Result	RL	Qual 1	Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS						Analyst	: VP			
Chloride	530	60		mg/Kg	20	9/17/2021 7:39:32 AM	62637			
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	SB			
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	9/14/2021 11:37:46 AM	62547			
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	9/14/2021 11:37:46 AM	62547			
Surr: DNOP	113	70-130		%Rec	1	9/14/2021 11:37:46 AM	62547			
EPA METHOD 8015D: GASOLINE RANGE						Analyst	: mb			
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	9/14/2021 12:25:00 PM	62543			
Surr: BFB	97.5	70-130		%Rec	1	9/14/2021 12:25:00 PM	62543			
EPA METHOD 8021B: VOLATILES						Analyst	: mb			
Benzene	ND	0.023		mg/Kg	1	9/14/2021 12:25:00 PM	62543			
Toluene	ND	0.046		mg/Kg	1	9/14/2021 12:25:00 PM	62543			
Ethylbenzene	ND	0.046		mg/Kg	1	9/14/2021 12:25:00 PM	62543			
Xylenes, Total	ND	0.093		mg/Kg	1	9/14/2021 12:25:00 PM	62543			
Surr: 4-Bromofluorobenzene	81.7	70-130		%Rec	1	9/14/2021 12:25:00 PM	62543			

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

Qualifiers:

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 2 of 6

SUMINIARY REPORT	WO#:	2109586
l Environmental Analysis Laboratory, Inc.		21-Sep-21

Client: Project:	EOG Roy SWI) 3								
Sample ID:	MB-62637	SampType: MI	BLK	Test	tCode: EP	PA Method	300.0: Anion:	6		
Client ID:	PBS	Batch ID: 62	637	R	unNo: 81	345				
Prep Date:	9/16/2021	Analysis Date: 9/	17/2021	S	eqNo: 28	372703	Units: mg/K	g		
Analyte Chloride		Result PQL ND 1.5	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sample ID:	LCS-62637	SampType: LC	S	Tes	tCode: EF	PA Method	300.0: Anions	6		
Client ID:	LCSS	Batch ID: 62	637	R	lunNo: 81	345				
Prep Date:	9/16/2021	Analysis Date: 9/	17/2021	S	eqNo: 28	372704	Units: mg/K	g		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		15 1.5	15.00	0	97.4	90	110			
Sample ID:	MB-62615	SampType: MI	BLK	Tes	tCode: EP	PA Method	300.0: Anion	6		
Client ID:	PBS	Batch ID: 62	615	R	unNo: 81	307				
Prep Date:	9/16/2021	Analysis Date: 9/	16/2021	S	eqNo: 28	872858	Units: mg/K	g		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND 1.5								
Sample ID:	LCS-62615	SampType: LC	s	Tes	tCode: EP	PA Method	300.0: Anion	S		
Client ID:	LCSS	Batch ID: 62	615	R	tunNo: 81	307				
Prep Date:	9/16/2021	Analysis Date: 9/	16/2021	S	eqNo: 28	372859	Units: mg/K	g		
Analyte		Result PQL		SPK Ref Val		LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		15 1.5	15.00	0	98.0	90	110			

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 3 of 6

EOG

Client:

QC SUMMARI REFURI	WO#:	2109586
Hall Environmental Analysis Laboratory, Inc.		21-Sep-21

Project: Roy SW	'D 3									
Sample ID: LCS-62547	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: LCSS	Batch	n ID: 62	547	F	RunNo: 8 ′	1284				
Prep Date: 9/13/2021	Analysis D	ate: 9/	14/2021	S	SeqNo: 28	870519	Units: mg/K	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Disasl Dange Organics (DDO)	48	10	50.00	0	96.9	68.9	135			
Diesel Range Organics (DRO)	40	10	00.00	0	00.0					
Surr: DNOP	48 4.5	10	5.000	Ũ	90.9	70	130			
o o ()	4.5	ype: ME	5.000		90.9	-	130 8015M/D: Die	esel Range	e Organics	
Surr: DNOP	4.5 SampT		5.000 BLK	Tes	90.9	PA Method		esel Range	e Organics	
Surr: DNOP	4.5 SampT	ype: ME 1 ID: 62	5.000 BLK 547	Tes	90.9 tCode: EF	PA Method		U	e Organics	
Sample ID: MB-62547 Client ID: PBS	4.5 SampT Batch	ype: ME 1 ID: 62	5.000 BLK 547 14/2021	Tes	90.9 tCode: EF RunNo: 8 SeqNo: 28	PA Method	8015M/D: Die	U	e Organics RPDLimit	Qual
Surr: DNOP Sample ID: MB-62547 Client ID: PBS Prep Date: 9/13/2021 Analyte	4.5 SampT Batch Analysis D	ype: ME DD: 62 Date: 9/	5.000 BLK 547 14/2021	Tes F S	90.9 tCode: EF RunNo: 8 SeqNo: 28	PA Method 1284 370520	8015M/D: Die Units: mg/K	(g	U	Qual
Surr: DNOP Sample ID: MB-62547 Client ID: PBS Prep Date: 9/13/2021	4.5 SampT Batch Analysis D Result	ype: ME n ID: 62 Pate: 9/ PQL	5.000 BLK 547 14/2021	Tes F S	90.9 tCode: EF RunNo: 8 SeqNo: 28	PA Method 1284 370520	8015M/D: Die Units: mg/K	(g	U	Qual

Qualifiers:

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 4 of 6

Released to Imaging: 9/13/2022 3:05:29 PM

QC SUMMANT NET UNI	WO#:	2109586
Hall Environmental Analysis Laboratory, Inc.		21-Sep-21

Client: EOG Project: Roy SW	/D 3									
Sample ID: mb-62543	SampT	ype: ME	BLK	Tes	tCode: E	PA Method	8015D: Gasc	line Rang	e	
Client ID: PBS	Batch	ID: 62	543	F	RunNo: 8	1271				
Prep Date: 9/13/2021	Analysis D	ate: 9/	14/2021	S	SeqNo: 2	869801	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	960		1000		96.3	70	130			
Sample ID: Ics-62543	SampT	ype: LC	S	Tes	tCode: E	PA Method	8015D: Gasc	line Rang	e	
Client ID: LCSS	Batch	ID: 62	543	F	RunNo: 8	1271				
Prep Date: 9/13/2021	Analysis D	ate: 9/	14/2021	S	SeqNo: 2	869803	Units: mg/#	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	30	5.0	25.00	0	118	78.6	131			
Surr: BFB	1100		1000		113	70	130			

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 5 of 6

Released to Imaging: 9/13/2022 3:05:29 PM

, SUMINIARY REPORT	WO#:	2109586
ll Environmental Analysis Laboratory, Inc.		21-Sep-21

Client:	EOG
Project:	Roy SWD 3

Sample ID: mb-62543	SampT	ype: ME	BLK	TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batcl	n ID: 62	543	R	RunNo: 81271					
Prep Date: 9/13/2021	Analysis D	0ate: 9/	14/2021	S	eqNo: 2	869849	Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.82		1.000		81.5	70	130			
Sample ID: Ics-62543	mple ID: Ics-62543 SampType: LCS TestCode: EPA Method 8021B: Volatiles									
	Camp									
Client ID: LCSS	·									
Client ID: LCSS Prep Date: 9/13/2021	·	n ID: 62	543	R		1271	Units: mg/K	g		
	Batcl	n ID: 62	543 14/2021	R	unNo: 8 ′	1271		g %RPD	RPDLimit	Qual
Prep Date: 9/13/2021	Batcl Analysis D	n ID: 62: Date: 9/	543 14/2021	R	unNo: 8 eqNo: 2	1271 869851	Units: mg/K	•	RPDLimit	Qual
Prep Date: 9/13/2021 Analyte	Batcl Analysis D Result	n ID: 62 Date: 9/	543 14/2021 SPK value	R S SPK Ref Val	unNo: 8′ ieqNo: 28 %REC	1271 869851 LowLimit	Units: mg/K HighLimit	•	RPDLimit	Qual
Prep Date: 9/13/2021 Analyte Benzene	Batcl Analysis D Result 0.91	n ID: 62 Date: 9/ PQL 0.025	543 14/2021 SPK value 1.000	R S SPK Ref Val 0	2unNo: 8 6eqNo: 2 8 <u>%REC</u> 91.4	1271 869851 LowLimit 80	Units: mg/K HighLimit 120	•	RPDLimit	Qual
Prep Date: 9/13/2021 Analyte Benzene Toluene	Batcl Analysis E Result 0.91 0.91	n ID: 62 Date: 9/ PQL 0.025 0.050	543 14/2021 SPK value 1.000 1.000	R S SPK Ref Val 0 0	tunNo: 8 ieqNo: 28 <u>%REC</u> 91.4 90.6	1271 869851 LowLimit 80 80	Units: mg/K HighLimit 120 120	•	RPDLimit	Qual

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 6 of 6

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					mple Log-In Check List
Client Name: EOG V	Vork Order Num	nber: 210	9586			RcptNo: 1
Received By: Desiree Dominguez 9/1	1/2021 8:50:00	АМ		TP	N	
Completed By: Desiree Dominguez 9/1	1/2021 11:14:4	8 AM		TP	~	
Reviewed By: 5 & 9/13/21					~	
Chain of Custody						
1. Is Chain of Custody complete?		Yes	V	No		Not Present
2. How was the sample delivered?		Cou	rier			
Log In 3. Was an attempt made to cool the samples?			1			🗖
o. 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		
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 pres	erved?	Yes	V	No		
8. Was preservative added to bottles?		Yes		No	~	NA
9. Received at least 1 vial with headspace <1/4" for A	Q VOA?	Yes		No		NA 🔽
10. Were any sample containers received broken?		Yes		No	~	# of preserved bottles checked
 Does paperwork match bottle labels? (Note discrepancies on chain of custody) 		Yes		No		for pH: (<2 or >12 unless noted)
2. Are matrices correctly identified on Chain of Custo	dy?	Yes	V	No		Adjusted?
13. Is it clear what analyses were requested?		Yes	V	No		
14. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes		No		Checked by: JN 91/18/21
Special Handling (if applicable)						
15. Was client notified of all discrepancies with this or	der?	Yes		No		NA 🔽
Person Notified:	Date				-	
By Whom:	Via:	eM	ail 🗌 f	hone	Fax	In Person
Regarding:						
Client Instructions:						
16. Additional remarks:						
17. <u>Cooler Information</u> Cooler No Temp ^o C Condition Seal Inta 1 0.1 Good	act Seal No	Seal D	ate	Signed E	By	

Received by OCD:	3/16/2022 4:08:19 PM	
ζr		

HEAL NO. Chloride (EPA 300) Heal No. 1093584 ×	Chain-	of-Cu	Chain-of-Custody Record	Turn-Around Time:	Time: 2 Dav	5			
Project Name: C ₁ , S ₄ , S ₁ , Artesia NN, R8210 Project #: 5375 4901 Hav er: S21-335-1785 Project #: 5375 16.5 4m St. Artesia NN, R8210 4901 Hav er: S21-335-1785 Project #: 5375 Project #: 5375 16.5 4m St. Artesia NN, R8210 for Probade: Incrementation Project #: 5375 16.5 4m St. Artesia NN, R8210 16.5 5m St. Artesia NN, R8210 for Package: Incrementation Project Manager: W. Kierdorf 16.5 5m St. Artesia NN, R8210 17.1 5m St. Art 18.5 5m St. Art 19.5 5m St. Art 19.5 5m St. Art 19.5 5m Art 18.5 5m St. Art 19.5 5m Art 18.5 5m Ar	Client: EOG-Arte	sia / Rar	iger Env.	A Standard	R			ANAL ENVIRONMENTAL	
ig Address: EOG - 105 S 4th St, Artesia NM, 88210 Project i ler: PO Box 201179, Austin TX 78720 Project i ie: FO Box 201179, Austin TX 78720 Project i ie: FO Box 201179, Austin TX 78720 Project i ie: FO Box 201179, Austin TX 78720 Project i ie: FO Box 201179, Austin TX 78720 Project i ie: FO Box 201179, Austin TX 78720 Project i ie: FO Box 201179, Austin TX 78720 Project i ie: FO Box 201179, Austin TX 78720 Project i ie: FO Concert D Concert D Concert ie: For D Cother D Cother D Cother 201 153, Sort NL-1 1x 4/nz 201 164, Ended by: Intervination of the containe 201 162, Ended by: Intervination of the containe 201 163, Ended by: Intervination of the containe				Project Name	HOMS KUD H	M		www.hallenvironmental.com	
ler: PO Box 201179, Austin TX 78720 Project 1 let: #: 521-335-1785 Project 1 li or Fax#: Will@RangerEnv.com Project 1 li or Fax#: Will@RangerEnv.com Project 1 li or Fax#: Will@RangerEnv.com Project 1 li or Fax#: S21-335-1785 Project 1 li or Fax#: S21-335-178 Project 1 li or Fax#: S21-335-18 Project 1 li or Fax#: S21-35-18 Project 1 li or Fax#: S	Mailing Address: Et	OG - 105	S 4th St, Artesia NM, 88210				49(01 Hawkins NF - Albuquerque NM 87109	
In Fax#: Will@RangerEnv.com Project I In or Fax#: To Particle In or Fax#: Project I In or Fax#: To Particle In or Fax#: Project I In or Fax#: To Particle In or Fax#: Project I In or Fax#: To Particle In or Fax#: Project I In or Fax#: Time Matrix Sample Name In f630 Sort	Ranger: PO Box 20	11179, AL	ustin TX 78720	Project #: 53	75			el: 505-345-3975 Fax 505-345-4107	
II or Fax#: Will@RangerEnv.com Project I CC Package: I Level 4 (Full Validation) editation: Az Compliance editation: Az Compliance ELAC I Other DI (Type) Excel Matrix Sample Name I 1633 Sozt Matrix Nutre Matrix Nutre Matrix Nutre Matrix Nutre Matrix Nutre <	Phone #: 521-33	5-1785						Ina	
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Itempland Icevel 4 (Full Validation) editation: Az Compliance ELAC Other D (Type) Az Compliance B Time Matrix Sample No No <td>QA/QC Package:</td> <td></td> <td></td> <td>i.</td> <td></td> <td></td> <td>้oม</td> <td></td> <td></td>	QA/QC Package:			i.			้oม		
ELAC Az Compliance Sample ELAC Other An Concertance DD (Type) Excel # of Coo DD (Type) Excel # of Coo a) Instantian Instantian	Standard		Level 4 (Full Validation)				N / C		
DD (Type) Excel # of Cooler e Time Matrix Sample Name Type an 20 1639 SozL NL-1 1×4nz 20 1633 SozL NL-1 1×4nz 20 1633 SozL NL-1 1×4nz 21 1633 SozL NL-1 1×4nz 21 1633 SozL NL-3 1×4nz 21 1633 SozL NL-3 1×4nz 22 SozL NL-3 1×4nz 23 SozL NL-3 1×4nz 24 SozL NL-3 1×4nz 25 SozL NL-3 1×4nz 26 NL-3 1×4nz 1×4nz 27 SozL NL-3 1×4nz 28 SozL NL-3 1×4nz 29 SozL NL-3 1×4nz 29 </td <td></td> <td>D Az Col</td> <td>mpliance</td> <td>2</td> <td>KEERDOOF NYes</td> <td>DND</td> <td>ו סאמ</td> <td>(00</td> <td></td>		D Az Col	mpliance	2	KEERDOOF NYes	DND	ו סאמ	(00	
E Time Matrix Sample Name Cooler 1 201 16.39 502L NL-1 1×4/02 201 16.33 502L NL-1 1×4/02 201 16.33 502L NL-2 1×4/02 201 16.33 502L NL-3 1×4/02 201 16.33 1 1×4/02 1×4/02 201 16.33 1 1×4/02 1×4/02 201 16.33 1 1×4/02 1×4/02 201 16.33 16.34 1×4/02 1×4/02 201 16.33 1×4/02 1×4/02 1×4/02 201 16.33 1×4/02 1×4/02 1×4/02 201 16.34 1×4/02 1×4/02 1×4/02 201 16.34 1×4/02 1×4/02 1×4/02 201 16.34 1×4/02 1×4/02 1×4/02 201 16.34 1×4/02 1×4/02 <td< td=""><td></td><td>Excel</td><td></td><td># of Coolers:</td><td></td><td></td><td>1.1.1</td><td>05 A</td><td></td></td<>		Excel		# of Coolers:			1.1.1	05 A	
E Time Matrix Sample Name Containe 21 16.39 502L NL-1 1×402 21 16.33 502L NL-3 1×402 22 NL-3 1×402 1×402 23 502L NL-3 1×402 24 16.33 1×402 1×402 25 16.34 1×402 1×402 26 16.34 1×402 1×402 27 16.34 1×402 1×402 28 10.4 1×402 1×402 29 10.4 1×402 1×402 20 10.4 1×402 1×402 21 11.4 1×402 1×402 21 11.4 1×402 1×402 21 11.4 1×402 1×402				Cooler Temp	(including CF); D . (2 10=00-		(Eb	
21 16.39 SozL NL-1 1×4nz 011 16.33 SozL NL-3 1×4nz 1 1 NL-3 1×4nz 1×4nz 1 1 1 NL-3 1×4nz 1 1 1 1×4nz 1×4nz 1 1 1×4nz 1×4nz 1×4nz 1 1 1×4nz 1×4nz 1×4nz 1 1 1×4nz 1×4nz 1×4nz 1 1 1 1×4nz 1×4nz	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2109586		Chloride	
0.1 1633 50ZL NL-2 1x 4/nz 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1629	SOLL	1-7~	1×402 Jan	JIT	100-		×	
Image: Second	1633	2020	2-7~	JAT JAR	ICE	200-	×	×	
Time: Relinquished by: Received t Time: Relinquished by: Received t									
Image: Second									
Image: Second									
Image: Second									1.
Image: Second									
Time: Relinquished by: Received t Time: Received t Time:									T
Time: Relinquished by: Received the Received									
Time: Relinquished by: Received t Time: Relinquished by: Received t									
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Time: Relinquished by: Received the submitted to Hall Environmental much to chronomodal to the submitted to Hall Environmental much to chronomodal to the submitted to Hall Environmental much to chronomodal to the submitted to Hall Environmental much to chronomodal to the submitted to Hall Environmental much to chronomodal to the submitted to Hall Environmental much to chronomodal to the submitted to Hall Environmental much to chronomodal to the submitted to Hall Environmental much to chronomodal to the submitted to Hall Environmental much to chronomodal to the submitted to Hall Environmental much to chronomodal to the submitted to Hall Environmental much to chronomodal to the submitted to the	na			N	5	24			
I 1900 C.C.C.	Time:	telinquishe	d by:	Received by:	Via:				
If negative number of the sector of the sect	3	ade	2	2	Courier	9/11/21 8:50			



September 23, 2021

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

OrderNo.: 2109994

RE: Roy SWD 3

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 2 sample(s) on 9/18/2021 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

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Lab Order **2109994** Date Reported: **9/23/2021**

CLIENT	EOG	Client Sample ID: PH-1/4'
Project:	Roy SWD 3	Collection Date: 9/17/2021 7:55:00 AM
Lab ID:	2109994-001	Matrix: MEOH (SOIL) Received Date: 9/18/2021 9:00:00 AM

Analyses	Result	RL (Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	120	60	mg/Kg	20	9/20/2021 11:39:06 AM	62685
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	9/18/2021 4:33:04 PM	62672
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	9/18/2021 4:33:04 PM	62672
Surr: DNOP	102	70-130	%Rec	1	9/18/2021 4:33:04 PM	62672
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	3.3	mg/Kg	1	9/20/2021 11:38:28 AM	G81403
Surr: BFB	103	70-130	%Rec	1	9/20/2021 11:38:28 AM	G81403
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.016	mg/Kg	1	9/20/2021 11:38:28 AN	B81403
Toluene	ND	0.033	mg/Kg	1	9/20/2021 11:38:28 AM	B81403
Ethylbenzene	ND	0.033	mg/Kg	1	9/20/2021 11:38:28 AM	B81403
Xylenes, Total	ND	0.066	mg/Kg	1	9/20/2021 11:38:28 AM	B81403
Surr: 4-Bromofluorobenzene	89.5	70-130	%Rec	1	9/20/2021 11:38:28 AM	B81403

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

Page 1 of 6

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2109994

Date Reported: 9/23/2021

CLIENT	EOG	Client Sample ID: WH-1/9'
Project:	Roy SWD 3	Collection Date: 9/17/2021 7:57:00 AM
Lab ID:	2109994-002	Matrix: MEOH (SOIL) Received Date: 9/18/2021 9:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	620	60	mg/Kg	20	9/20/2021 11:51:30 AM	62685
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	9/18/2021 4:57:27 PM	62672
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	9/18/2021 4:57:27 PM	62672
Surr: DNOP	101	70-130	%Rec	1	9/18/2021 4:57:27 PM	62672
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	3.7	mg/Kg	1	9/20/2021 12:02:07 PM	G81403
Surr: BFB	107	70-130	%Rec	1	9/20/2021 12:02:07 PM	G81403
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.018	mg/Kg	1	9/20/2021 12:02:07 PM	B81403
Toluene	ND	0.037	mg/Kg	1	9/20/2021 12:02:07 PM	B81403
Ethylbenzene	ND	0.037	mg/Kg	1	9/20/2021 12:02:07 PM	B81403
Xylenes, Total	ND	0.074	mg/Kg	1	9/20/2021 12:02:07 PM	B81403
Surr: 4-Bromofluorobenzene	92.4	70-130	%Rec	1	9/20/2021 12:02:07 PM	B81403

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
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- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 6

	WO#:	2109994
Hall Environmental Analysis Laboratory, Inc.		23-Sep-21

Client:	EOG										
Project:	Roy SW	D 3									
Sample ID:	MB-62685	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID:	PBS	Batch	ID: 62	685	F	RunNo: 8 1	1395				
Prep Date:	9/20/2021	Analysis D	ate: 9/	20/2021	S	SeqNo: 28	375742	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID:	LCS-62685	SampT	ype: LC	S	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID:	LCSS	Batch	ID: 62	685	F	RunNo: 8 1	1395				
Prep Date:	9/20/2021	Analysis D	ate: 9/	20/2021	5	SeqNo: 28	375743	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	93.8	90	110			

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 3 of 6

EOG

Client:

QU SUMMART REPORT	WO#:	2109994
Hall Environmental Analysis Laboratory, Inc.		23-Sep-21

Project: Roy SW	'D 3									
Sample ID: LCS-62672	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batch	n ID: 62	672	F	RunNo: 8 ′	1389				
Prep Date: 9/18/2021	Analysis D	ate: 9/	18/2021	S	SeqNo: 28	374833	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	94.7	68.9	135			
Surr: DNOP	4.7		5.000		94.7	70	130			
Surr: DNOP Sample ID: MB-62672		ype: ME		Tes	-		130 8015M/D: Die	esel Range	e Organics	
	SampT	ÿpe: ME n ID: 62	BLK		-	PA Method		esel Rango	e Organics	
Sample ID: MB-62672	SampT	n ID: 62	3LK 672	F	tCode: Ef	PA Method			e Organics	
Sample ID: MB-62672 Client ID: PBS	SampT Batch	n ID: 62	BLK 672 18/2021	F	tCode: EF RunNo: 8 SeqNo: 28	PA Method	8015M/D: Die		e Organics RPDLimit	Qual
Sample ID: MB-62672 Client ID: PBS Prep Date: 9/18/2021	SampT Batch Analysis D	n ID: 62 Date: 9/	BLK 672 18/2021	F	tCode: EF RunNo: 8 SeqNo: 28	PA Method 1389 374834	8015M/D: Die Units: mg/K	(g	-	Qual
Sample ID: MB-62672 Client ID: PBS Prep Date: 9/18/2021 Analyte	SampT Batch Analysis D Result	n ID: 62 Date: 9/	BLK 672 18/2021	F	tCode: EF RunNo: 8 SeqNo: 28	PA Method 1389 374834	8015M/D: Die Units: mg/K	(g	-	Qual

Qualifiers:

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 4 of 6

QC SUMMART REFORT	WO#:	2109994
Hall Environmental Analysis Laboratory, Inc.		23-Sep-21

	OG oy SWD 3									
Sample ID: mb	Sa	mpType:	MBLK	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID: PBS	E	Batch ID:	G81403	F	RunNo: 8	1403				
Prep Date:	Analy	sis Date:	9/20/2021	S	SeqNo: 2	875596	Units: mg/k	۲g		
Analyte	Res	ult PC	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (0	GRO) N	D	5.0							
Surr: BFB	11(00	1000		107	70	130			
Sample ID: 2.5ug gro	lcs Sa	mpType:	LCS	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID: LCSS	E	Batch ID:	G81403	F	RunNo: 8	1403				
Prep Date:	Analy	sis Date:	9/20/2021	S	SeqNo: 2	875597	Units: mg/ #	٢g		
Analyte	Res	ult PO	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO) 2	28	5.0 25.00	0	111	78.6	131			
Surr: BFB	120	00	1000		124	70	130			

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Released to Imaging: 9/13/2022 3:05:29 PM

SUMMARY REPORT	WO#:	2109994
Environmental Analysis Laboratory, Inc.		23-Sep-21

Client:EOGProject:Roy SV	VD 3									
Sample ID: mb	Samp	ype: ME	BLK	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: PBS	Batc	h ID: B8	1403	F	RunNo: 8	1403				
Prep Date:	Analysis [Date: 9/	20/2021	S	SeqNo: 2	875602	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.91		1.000		91.3	70	130			
Sample ID: 100ng btex Ics	Samp	ype: LC	S	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: LCSS	Batc	h ID: B8	1403	F	RunNo: 8	1403				
Prep Date:	Analysis [Date: 9/	20/2021	S	SeqNo: 2	875603	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	103	80	120			
Toluene	1.0	0.050	1.000	0	103	80	120			
Ethylbenzene	1.0	0.050	1.000	0	103	80	120			
Xylenes, Total	3.0	0.10	3.000	0	101	80	120			
Surr: 4-Bromofluorobenzene	0.92		1.000		92.3	70	130			

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 6 of 6

ed by OCD: 3/16/20 HALL ENVIRON ANALYSIS LABORAT	T	Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com					Page 10		
Client Name: EO	G	Wor	k Order Numb	er: 210	9994			RcptNo: 1	
Received By: Se	an Livingston	9/18/20	021 9:00:00 A	м		S	-6	not	
Completed By: Se	an Livingston	9/18/20	021 9:30:43 A	М		<	/	not	
Reviewed By:	9/18/21					2	~~~	13 01	
Chain of Custod	Z								
1. Is Chain of Custor	ly complete?			Yes	~	N	b	Not Present	
2. How was the same	ble delivered?			Cou	rier				
Log In									
	ade to cool the sample	s?		Yes		No			
4. Were all samples r	eceived at a temperatu	re of >0° C	to 6.0°C	Yes	•	No			
5. Sample(s) in prope	r container(s)?			Yes		No			
6. Sufficient sample v	olume for indicated tes	t(s)?		Yes	~	No			
	ot VOA and ONG) prop	1010	ed?		~				
8. Was preservative a				Yes			~	NA 🗌	
9. Received at least 1	vial with headspace <1	/4" for AO \	1042	Yes		No		NA 🔽	
10. Were any sample of			VOIL	Yes	_				
				103		No		# of preserved	
11. Does paperwork ma				Yes	V	No		bottles checked for pH:	
	s on chain of custody)				_		_	(<2 or >12 unless noted)	
12. Are matrices correc		of Custody?				No		Adjusted?	
13. Is it clear what anal					~	No	-	/ - 11	
14. Were all holding tim (If no, notify custom	es able to be met? er for authorization.)			Yes	\checkmark	No	10	Checked by: Stc 9/18/21	
Special Handling ((if applicable)								
15. Was client notified	of all discrepancies wit	h this order'	?	Yes		No		NA 🔽	
Person Notifi	ed:		Date:				-		
By Whom:			Via:	eMa	a) 🗆	Phone	Fax	In Person	
Regarding:			2.70						
Client Instruc	tions:								
16. Additional remarks	c.								
17. Cooler Informatio	n								
		Seal Intact	Seal No	Seal Da	ite	Signed	Ву		

.

Page 1 of 1
Client: EOG-Artesia / Pancer Envi	Decia / Bo	FDG-Artesia / Banar Enu						HALL ENVTRONMENTAL		eiv
	באומ / הוכם	linger Eriv.	□ Standard		Rush Same Day			ANALYSTS LABODATOD	. >	ved
			Project Name:							by O
Mailing Address:	E0G - 10	Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210	-	Roy SWD #3	M	-	1 1001			CD:
Ranger: PO Box 201179, Austin TX 78720	201179, /	Austin TX 78720	Project #: 5375	75		-	Tal 5			3/10
Phone #: 521-335-1785	35-1785							Analysis Request		5/202
email or Fax#: Will@RangerEnv.com	Vill@Rar	igerEnv.com	Project Manag	ager: W. Kierdorf	dorf		((2 4
QA/QC Package:							NRC			:08:
Standard		Level 4 (Full Validation)					1/0			19 P
Accreditation:	□ Az Co	Az Compliance	2	R. Martin			_			M
INELAC	□ Other		On Ice:	⊡r¥es	ON D	_	_			
EDD (Type)	Excel		# of Coolers:	1		_	_			
			Cooler Temp(including CF):	(including CF): 5	1 20-5.2021		-			
Date Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	8) X∃T8	PH:801			
9/17/21 0755	Soil	-	dor la	T	1					
01/17/21 17C7	1:05	1/01	10.0	54	5					
1 51 0 124111	110-	WH-1/1	1 40ZUar	- CP	200	×	X			
										1
							-			
										- 1
Date: Time:	Relinquished by:	ed by:	Received by:	Via:	Date Time	Rema	rks: Bill	Remarks: Bill to FOG Artesia		T
121 0948	Rebear Man	Vinter	COMMINIAN	Min						<i>P</i>
9/17/37 1900	Relinquished by: $(A_{A_{A_{A_{A_{A_{A_{A_{A_{A_{A_{A_{A_{A$	nquished by:	Received by:	Via: 1 Countr	-					age 18
and L L	NUN	and another and a second)					1



September 29, 2021

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

RE: Roy SWD 3

OrderNo.: 2109B71

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 8 sample(s) on 9/22/2021 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

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report
Lab Order 2109B71

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2109B71 Date Reported: 9/29/2021

CLIENT	EOG	Client Sample ID: PL-SW-1
Project:	Roy SWD 3	Collection Date: 9/21/2021 9:31:00 AM
Lab ID:	2109B71-001	Matrix: MEOH (SOIL) Received Date: 9/22/2021 7:10:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	510	60	mg/Kg	20	9/22/2021 10:40:43 AM	62749
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	9/22/2021 11:42:04 AM	62736
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	9/22/2021 11:42:04 AM	62736
Surr: DNOP	88.2	70-130	%Rec	1	9/22/2021 11:42:04 AM	62736
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	3.7	mg/Kg	1	9/23/2021 11:34:36 AM	G81527
Surr: BFB	104	70-130	%Rec	1	9/23/2021 11:34:36 AM	G81527
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.019	mg/Kg	1	9/22/2021 11:51:01 AM	B81482
Toluene	ND	0.037	mg/Kg	1	9/22/2021 11:51:01 AM	B81482
Ethylbenzene	ND	0.037	mg/Kg	1	9/22/2021 11:51:01 AM	B81482
Xylenes, Total	ND	0.074	mg/Kg	1	9/22/2021 11:51:01 AM	B81482
Surr: 4-Bromofluorobenzene	92.1	70-130	%Rec	1	9/22/2021 11:51:01 AM	B81482

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

Page 1 of 13

CLIENT: EOG

Analytical Report Lab Order 2109B71

Hall Environmental Analysis Laboratory, Inc.

 Date Reported:
 9/29/2021

 Client Sample ID:
 PL-EW-1

 Client Sample ID:
 PL-EW-1

Project:	Roy SWD 3	Collection Date: 9/21/2021 10:15:00 AM
Lab ID:	2109B71-002	Matrix: MEOH (SOIL) Received Date: 9/22/2021 7:10:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	520	60	mg/Kg	20	9/22/2021 10:53:07 AM	62749
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	9/22/2021 11:54:23 AM	62736
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	9/22/2021 11:54:23 AM	62736
Surr: DNOP	76.7	70-130	%Rec	1	9/22/2021 11:54:23 AM	62736
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	3.7	mg/Kg	1	9/23/2021 11:58:10 AM	G81527
Surr: BFB	103	70-130	%Rec	1	9/23/2021 11:58:10 AM	G81527
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.019	mg/Kg	1	9/22/2021 12:14:42 PM	B81482
Toluene	ND	0.037	mg/Kg	1	9/22/2021 12:14:42 PM	B81482
Ethylbenzene	ND	0.037	mg/Kg	1	9/22/2021 12:14:42 PM	B81482
Xylenes, Total	ND	0.074	mg/Kg	1	9/22/2021 12:14:42 PM	B81482
Surr: 4-Bromofluorobenzene	88.6	70-130	%Rec	1	9/22/2021 12:14:42 PM	B81482

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

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Analytical Report
Lab Order 2109B71

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: PL -EW-2

CLIENT	: EOG	Client Sample ID: PL-EW-2
Project:	Roy SWD 3	Collection Date: 9/21/2021 10:05:00 AM
Lab ID:	2109B71-003	Matrix: MEOH (SOIL) Received Date: 9/22/2021 7:10:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: VP
Chloride	460	60	mg/Kg	20	9/22/2021 11:05:31 AM	1 62749
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analys	t: SB
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	9/22/2021 12:06:57 PM	1 62736
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	9/22/2021 12:06:57 PM	62736
Surr: DNOP	80.2	70-130	%Rec	1	9/22/2021 12:06:57 PM	62736
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: NSB
Gasoline Range Organics (GRO)	ND	3.9	mg/Kg	1	9/23/2021 12:21:39 PM	1 G81527
Surr: BFB	103	70-130	%Rec	1	9/23/2021 12:21:39 PM	1 G81527
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.020	mg/Kg	1	9/22/2021 12:38:09 PM	1 B81482
Toluene	ND	0.039	mg/Kg	1	9/22/2021 12:38:09 PM	1 B81482
Ethylbenzene	ND	0.039	mg/Kg	1	9/22/2021 12:38:09 PM	1 B81482
Xylenes, Total	ND	0.078	mg/Kg	1	9/22/2021 12:38:09 PM	1 B81482
Surr: 4-Bromofluorobenzene	88.3	70-130	%Rec	1	9/22/2021 12:38:09 PM	1 B81482

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

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Project:

Lab ID:

Analytical Report Lab Order 2109B71

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 9/29/2021 **CLIENT: EOG** Client Sample ID: PL-WW-1 Roy SWD 3 Collection Date: 9/21/2021 9:46:00 AM 2109B71-004 Matrix: MEOH (SOIL) Received Date: 9/22/2021 7:10:00 AM

	()				
Result	RL	Qual Units	DF	Date Analyzed	Batch
				Analyst	VP
820	59	mg/Kg	20	9/22/2021 11:17:56 AM	62749
ORGANICS				Analyst	SB
ND	9.7	mg/Kg	1	9/22/2021 12:19:18 PM	62736
ND	48	mg/Kg	1	9/22/2021 12:19:18 PM	62736
78.9	70-130	%Rec	1	9/22/2021 12:19:18 PM	62736
				Analyst	NSB
ND	4.0	mg/Kg	1	9/23/2021 12:45:11 PM	G81527
104	70-130	%Rec	1	9/23/2021 12:45:11 PM	G81527
				Analyst	NSB
ND	0.020	mg/Kg	1	9/22/2021 1:01:34 PM	B81482
ND	0.040	mg/Kg	1	9/22/2021 1:01:34 PM	B81482
ND	0.040	mg/Kg	1	9/22/2021 1:01:34 PM	B81482
ND	0.080	mg/Kg	1	9/22/2021 1:01:34 PM	B81482
89.5	70-130	%Rec	1	9/22/2021 1:01:34 PM	B81482
	820 DRGANICS ND ND 78.9 ND 104 ND ND ND ND ND ND	820 59 DRGANICS ND 9.7 ND 48 78.9 70-130 ND 4.0 104 70-130 ND 4.0 104 70-130 ND 0.020 ND 0.040 ND 0.040 ND 0.080	820 59 mg/Kg DRGANICS ND 9.7 mg/Kg ND 48 mg/Kg 78.9 70-130 %Rec ND 4.0 mg/Kg 104 70-130 %Rec ND 0.020 mg/Kg ND 0.040 mg/Kg ND 0.040 mg/Kg ND 0.080 mg/Kg	820 59 mg/Kg 20 DRGANICS ND 9.7 mg/Kg 1 ND 48 mg/Kg 1 78.9 70-130 %Rec 1 ND 4.0 mg/Kg 1 104 70-130 %Rec 1 ND 0.020 mg/Kg 1 ND 0.040 mg/Kg 1 ND 0.040 mg/Kg 1 ND 0.040 mg/Kg 1 ND 0.080 mg/Kg 1	Analyst 820 59 mg/Kg 20 9/22/2021 11:17:56 AM DRGANICS Analyst ND 9.7 mg/Kg 1 9/22/2021 12:19:18 PM ND 48 mg/Kg 1 9/22/2021 12:19:18 PM 78.9 70-130 %Rec 1 9/22/2021 12:19:18 PM 78.9 70-130 %Rec 1 9/22/2021 12:19:18 PM MD 4.0 mg/Kg 1 9/22/2021 12:19:18 PM ND 4.0 mg/Kg 1 9/22/2021 12:19:18 PM ND 4.0 mg/Kg 1 9/23/2021 12:45:11 PM 104 70-130 %Rec 1 9/23/2021 12:45:11 PM MD 0.020 mg/Kg 1 9/22/2021 1:01:34 PM ND 0.040 mg/Kg

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

Qualifiers:

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

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Analytical Report Lab Order 2109B71

Date Reported: 9/29/2021

Hall Environmental Analysis Laboratory, Inc.

 CLIENT:
 EOG
 Client Sample ID: PL-WW-2

 Project:
 Roy SWD 3
 Collection Date: 9/21/2021 9:55:00 AM

 Lab ID:
 2109B71-005
 Matrix: MEOH (SOIL)
 Received Date: 9/22/2021 7:10:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	640	60	mg/Kg	20	9/22/2021 11:30:21 AM	62749
EPA METHOD 8015M/D: DIESEL RANGE OF	GANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	9/23/2021 11:15:07 AM	62736
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	9/23/2021 11:15:07 AM	62736
Surr: DNOP	92.1	70-130	%Rec	1	9/23/2021 11:15:07 AM	62736
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.1	mg/Kg	1	9/23/2021 1:08:37 PM	G81527
Surr: BFB	103	70-130	%Rec	1	9/23/2021 1:08:37 PM	G81527
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.020	mg/Kg	1	9/23/2021 1:08:37 PM	B81527
Toluene	ND	0.041	mg/Kg	1	9/23/2021 1:08:37 PM	B81527
Ethylbenzene	ND	0.041	mg/Kg	1	9/23/2021 1:08:37 PM	B81527
Xylenes, Total	ND	0.081	mg/Kg	1	9/23/2021 1:08:37 PM	B81527
Surr: 4-Bromofluorobenzene	91.5	70-130	%Rec	1	9/23/2021 1:08:37 PM	B81527

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

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Analytical Report
Lab Order 2109B71

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 9/29/2021

CLIENT	EOG	Client Sample ID: PL-NW-E
Project:	Roy SWD 3	Collection Date: 9/21/2021 10:26:00 AM
Lab ID:	2109B71-006	Matrix: MEOH (SOIL) Received Date: 9/22/2021 7:10:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: VP
Chloride	490	61	mg/Kg	20	9/22/2021 12:07:34 PM	1 62749
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analys	t: SB
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	9/23/2021 10:51:18 AM	1 62736
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	9/23/2021 10:51:18 AM	62736
Surr: DNOP	92.5	70-130	%Rec	1	9/23/2021 10:51:18 AM	1 62736
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: NSB
Gasoline Range Organics (GRO)	ND	3.7	mg/Kg	1	9/23/2021 1:32:18 PM	G81527
Surr: BFB	104	70-130	%Rec	1	9/23/2021 1:32:18 PM	G81527
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.019	mg/Kg	1	9/23/2021 1:32:18 PM	B81527
Toluene	ND	0.037	mg/Kg	1	9/23/2021 1:32:18 PM	B81527
Ethylbenzene	ND	0.037	mg/Kg	1	9/23/2021 1:32:18 PM	B81527
Xylenes, Total	ND	0.075	mg/Kg	1	9/23/2021 1:32:18 PM	B81527
Surr: 4-Bromofluorobenzene	91.8	70-130	%Rec	1	9/23/2021 1:32:18 PM	B81527

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order **2109B71** Date Reported: **9/29/2021**

CLIENT	EOG	Client Sample ID: PL-NW-W
Project:	Roy SWD 3	Collection Date: 9/21/2021 10:30:00 AM
Lab ID:	2109B71-007	Matrix: MEOH (SOIL) Received Date: 9/22/2021 7:10:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	: VP
Chloride	ND	60	mg/Kg	20	9/22/2021 12:19:59 PM	62749
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	: SB
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	9/22/2021 10:32:17 AM	62736
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	9/22/2021 10:32:17 AN	62736
Surr: DNOP	91.8	70-130	%Rec	1	9/22/2021 10:32:17 AM	62736
EPA METHOD 8015D: GASOLINE RANGE					Analys	: NSB
Gasoline Range Organics (GRO)	ND	3.5	mg/Kg	1	9/23/2021 1:55:46 PM	G81527
Surr: BFB	105	70-130	%Rec	1	9/23/2021 1:55:46 PM	G81527
EPA METHOD 8021B: VOLATILES					Analys	: NSB
Benzene	ND	0.018	mg/Kg	1	9/23/2021 1:55:46 PM	B81527
Toluene	ND	0.035	mg/Kg	1	9/23/2021 1:55:46 PM	B81527
Ethylbenzene	ND	0.035	mg/Kg	1	9/23/2021 1:55:46 PM	B81527
Xylenes, Total	ND	0.071	mg/Kg	1	9/23/2021 1:55:46 PM	B81527
Surr: 4-Bromofluorobenzene	93.4	70-130	%Rec	1	9/23/2021 1:55:46 PM	B81527

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2109B71

Date Reported: 9/29/2021

CLIENT:	EOG	Client Sample ID: PL-SW-N
Project:	Roy SWD 3	Collection Date: 9/21/2021 10:33:00 AM
Lab ID:	2109B71-008	Matrix: MEOH (SOIL) Received Date: 9/22/2021 7:10:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	190	61	mg/Kg	20	9/22/2021 12:32:24 PM	62749
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	9/22/2021 10:56:11 AM	62736
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	9/22/2021 10:56:11 AM	62736
Surr: DNOP	87.6	70-130	%Rec	1	9/22/2021 10:56:11 AM	62736
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.0	mg/Kg	1	9/23/2021 2:19:17 PM	G81527
Surr: BFB	105	70-130	%Rec	1	9/23/2021 2:19:17 PM	G81527
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.020	mg/Kg	1	9/23/2021 2:19:17 PM	B81527
Toluene	ND	0.040	mg/Kg	1	9/23/2021 2:19:17 PM	B81527
Ethylbenzene	ND	0.040	mg/Kg	1	9/23/2021 2:19:17 PM	B81527
Xylenes, Total	ND	0.080	mg/Kg	1	9/23/2021 2:19:17 PM	B81527
Surr: 4-Bromofluorobenzene	92.4	70-130	%Rec	1	9/23/2021 2:19:17 PM	B81527

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

Qualifiers:

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 8 of 13

Hall Env	Hall Environmental Analysis Laboratory, Inc.					
Client:	EOG					
Project:	Roy SWD 3					

Sample ID: MB-62749	SampType: MBLK	TestCode: EPA Metho	d 300.0: Anions		
Client ID: PBS	Batch ID: 62749	RunNo: 81465			
Prep Date: 9/22/2021	Analysis Date: 9/22/202	SeqNo: 2879290	Units: mg/Kg		
Analyte	Result PQL SPK	value SPK Ref Val %REC LowLim	t HighLimit %RPD	RPDLimit Qua	al
Chloride	ND 1.5				
Sample ID: LCS-62749	SampType: LCS	TestCode: EPA Metho	d 300.0: Anions		
Sample ID: LCS-62749 Client ID: LCSS	SampType: LCS Batch ID: 62749	TestCode: EPA Metho RunNo: 81465	d 300.0: Anions		
	1 21	RunNo: 81465	d 300.0: Anions Units: mg/Kg		
Client ID: LCSS	Batch ID: 62749 Analysis Date: 9/22/202	RunNo: 81465	Units: mg/Kg	RPDLimit Qua	al

Qualifiers:

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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EOG

Client:

ZC SUMIMAKI KEPUKI	WO#:	2109B71
Hall Environmental Analysis Laboratory, Inc.		29-Sep-21

Project: Roy SW	/D 3									
Sample ID: LCS-62736	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: LCSS	Batch	n ID: 62	736	F	RunNo: 8	1472				
Prep Date: 9/22/2021	Analysis D)ate: 9/	22/2021	S	SeqNo: 2	878395	Units: mg/K	٤g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	87.4	68.9	135			
Surr: DNOP	4.4		5.000		88.9	70	130			
Sample ID: MB-62736	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Sample ID: MB-62736 Client ID: PBS	•	ype: ME 1 ID: 62			tCode: El RunNo: 8		8015M/D: Die	esel Rang	e Organics	
	•	n ID: 62	736	F		1472	8015M/D: Die Units: mg/K	J	e Organics	
Client ID: PBS	Batch	n ID: 62	736 22/2021	F	RunNo: 8 SeqNo: 2	1472		J	e Organics RPDLimit	Qual
Client ID: PBS Prep Date: 9/22/2021	Batch Analysis D	n ID: 62 Date: 9/	736 22/2021	F	RunNo: 8 SeqNo: 2	1472 378420	Units: mg/K	(g	-	Qual
Client ID: PBS Prep Date: 9/22/2021 Analyte	Batch Analysis D Result	n ID: 62 Date: 9/ PQL	736 22/2021	F	RunNo: 8 SeqNo: 2	1472 378420	Units: mg/K	(g	-	Qual

Qualifiers:

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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REPORT	WO#:	2109B71	
l Analysis Laboratory, Inc.		29-Sep-21	

Project:										
-	Roy SWD 3									
Sample ID: mb	Samp	Type: MI	BLK	Tes	tCode: EF	PA Method	8015D: Gasol	ine Rang	e	
Client ID: PBS	Bat	ch ID: G8	31527	F	RunNo: 8 1	1527				
Prep Date:	Analysis	Date: 9/	/23/2021	S	SeqNo: 28	880274	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Basoline Range Organic	s (GRO) ND	5.0								
Surr: BFB	1100		1000		106	70	130			
Sample ID: 2.5ug	grolcs Samp	Type: LC	s	Tes	tCode: EF	PA Method	8015D: Gasol	ine Rang	e	
Client ID: LCSS	Bat	ch ID: G 8	31527	F	RunNo: 8 1	1527				
Prep Date:	Analysis	Date: 9/	/23/2021	5	SeqNo: 28	880275	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Basoline Range Organic	s (GRO) 27	5.0	25.00	0	107	78.6	131			
Surr: BFB	1200		1000		120	70	130			
Sample ID: mb-62	766 Samp	Туре: М	BLK	Tes	tCode: EF	PA Method	8015D: Gasol	ine Rang	e	
Client ID: PBS	Bat	ch ID: 62	766	F	RunNo: 81	1527				
Prep Date: 9/22/2	2021 Analysis	Date: 9/	/23/2021	S	SeqNo: 28	880290	Units: %Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1000		1000		102	70	130			
Sample ID: Ics-627	766 Samp	Type: LC	s	Tes	tCode: EF	PA Method	8015D: Gasol	ine Rang	e	
Client ID: LCSS	Bat	ch ID: 62	766	F	RunNo: 8 1	1527				
Prep Date: 9/22/2	2021 Analysis	Date: 9/	/23/2021	S	SeqNo: 28	880291	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

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WO#:	2109B71
	29-Sep-21

Client: Project:	EOG Roy SWD 3										
Sample ID: mb	-	SampTyp	e. ME	SI K	Tes	tCode: FF	PA Method	8021B: Volati	les		
Client ID: PBS		Batch II				RunNo: 8 1		0021B. Voluti			
	A										
Prep Date:	Ana	alysis Dat	e: 9/	22/2021	č	SeqNo: 28	579097	Units: mg/K	g		
Analyte	Re		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene			0.025								
Toluene			0.050								
Ethylbenzene			0.050								
Xylenes, Total		ND	0.10								
Surr: 4-Bromofluorob	enzene	0.90		1.000		89.6	70	130			
Sample ID: 100ng	btex lcs	SampTyp	e: LC	S	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: LCSS		Batch II	D: B8	1482	F	RunNo: 8 1	482				
Prep Date:	Ana	alysis Dat	e: 9/	22/2021	S	SeqNo: 28	379102	Units: mg/K	g		
Analyte	Re	esult	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.99 (0.025	1.000	0	98.5	80	120			
Toluene		0.99 (0.050	1.000	0	99.4	80	120			
Ethylbenzene		0.99 (0.050	1.000	0	98.6	80	120			
Xylenes, Total		2.9	0.10	3.000	0	97.1	80	120			
Surr: 4-Bromofluorob	enzene	0.89		1.000		88.7	70	130			
Sample ID: mb		SampTyp	e: ME	BLK	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: PBS		Batch II	D: B8	1527	F	RunNo: 8 1	527				
Prep Date:	Ana	alysis Dat	e: 9/	23/2021	S	SeqNo: 28	380318	Units: mg/K	g		
Analyte	Re	esult	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-Bromofluorob	enzene	0.92		1.000		91.9	70	130			
Sample ID: 100ng	btex lcs	SampTyp	e: LC	S	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: LCSS		Batch II	D: B8	1527	F	RunNo: 8 1	527				
Prep Date:	Ana	alysis Dat	e: 9/	23/2021	S	SeqNo: 28	380319	Units: mg/K	g		
Analyte	Re	esult	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		1.0 (0.025	1.000	0	99.9	80	120			
Toluene		1.0 (0.050	1.000	0	101	80	120			
Ethylbenzene		1.0 (0.050	1.000	0	100	80	120			
Xylenes, Total		3.0	0.10	3.000	0	99.3	80	120			
	enzene	0.94		1.000		93.8	70	130			

Qualifiers:

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- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
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- 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

EOG

Client:

C SUMMART REFORT	WO#:	2109B71
all Environmental Analysis Laboratory, Inc.		29-Sep-21

Project: Roy SV	WD 3								
Sample ID: mb-62766	SampType: M	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batch ID: 62	2766	F	RunNo: 8	1527				
Prep Date: 9/22/2021	Analysis Date: 9	/23/2021	S	SeqNo: 2	880326	Units: %Red	;		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.90	1.000		89.5	70	130			
Sample ID: LCS-62766	SampType: L	cs	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batch ID: 62	2766	F	RunNo: 8	1527				
Prep Date: 9/22/2021	Analysis Date: 9	/23/2021	5	SeqNo: 2	880327	Units: %Red	;		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.94	1.000		94.3	70	130			

Qualifiers:

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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ANAL	RONMENTAL YSIS Ratory	TEL: 505-345	ntal Analysis Labor 4901 Hawki, Albuquerque, NM & 3975 FAX: 505-345 ts.hallenvironmenta	ns NE 37109 San -4107	nple Log-In Check Lis	t
Client Name:	EOG	Work Order Num	iber: 2109B71		RcptNo: 1	
Received By:	Cheyenne Cason	9/22/2021 7:10:00	AM	Charl		
Completed By:	Sean Livingston	9/22/2021 8:15:06	AM	Chul S-(n -l	
Reviewed By:	IO	9.22.21			Jan	
<u>Chain of Cus</u>	<u>tody</u>					
1. Is Chain of C	ustody complete?		Yes 🗹	No 🗌	Not Present	
2. How was the	sample delivered?		<u>Courier</u>			
Log In 3. Was an atterr	npt made to cool the sam	ples?	Yes 🗹	No 🗌	NA 🗌	
4. Were all samp	ples received at a temper	rature of >0° C to 6.0°C	Yes 🔽	No 🗌		
5. Sample(s) in j	proper container(s)?		Yes 🔽	No 🗌		
6. Sufficient sam	ple volume for indicated	test(s)?	Yes 🗹	No 🗌		
7. Are samples (except VOA and ONG) p	roperly preserved?	Yes 🗹	No 🗌		
8. Was preservat	tive added to bottles?		Yes	No 🗹	NA 🗌	
9. Received at le	ast 1 vial with headspace	e <1/4" for AQ VOA?	Yes 🗌	No 🗌	NA 🗹	
	nple containers received		Yes	No 🗹	# of preserved	
	rk match bottle labels? incies on chain of custod	y)	Yes 🗹	No 🗌	bottles checked for pH: (<2 or >12 upless not	ed)
12. Are matrices o	orrectly identified on Cha	ain of Custody?	Yes 🗹	No 🗌	Adjusted?	
	analyses were requeste	d?	Yes 🖌	No 🗌		a î
	ng times able to be met? Istomer for authorization)	Yes 🗹	No 🗌	Checked by: JN 442	2
Special Handli	ing (if applicable)			-		
15. Was client no	tified of all discrepancies	with this order?	Yes 🗌	No 🗌	NA 🗹	
Person By Who Regardi Client In	m:	Date Via:	2	Phone 🗌 Fax		
16. Additional rer	narks:					
17. <u>Cooler Infor</u> Cooler No	Temp ºC Condition	Seal Intact Seal No	Seal Date	Signed By		
1	5.1 Good	· · · · · · · · · · · · · · · ·				

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Page 1 of 1

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Client:	EOG-Art	esia / Ra	Client: EOG-Artesia / Ranger Env.	Standard	K Rush	X Rush Same Ogy			ALYSIS	ANALYSIS LABORATORY		
				Project Name	Project Name: Rov CLI # 3	ہے۔ ج			www.hallenvironmental.com	iental.com		
Mailing.	Address: F	EOG - 105	Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210	F	and for	r K	4901	Hawkins N	E - Albuque	4901 Hawkins NE - Albuquerque. NM 87109	ő	
Ranger:	: PO Box 2	201179, A	Ranger: PO Box 201179, Austin TX 78720	Project #: 5375	75		Tel.	Tel. 505-345-3975	75 Fax 5	Fax 505-345-4107		
Phone	Phone #: 521-335-1785	35-1785							Ana	kequest		
email o	ır Fax#: V	Vill@Ran	email or Fax#: Will@RangerEnv.com	Project Mana	Project Manager: W. Kierdorf	lorf	(
	QA/QC Package:		Version Proventier Proventier				ОЯМ					
	laara		🗆 Level 4 (Full Valigation)				/ 0					
Accreditation:	litation: AC	□ Az Cor □ Other	npliance	Sampler: N. I	W. NLERDORF	No.		(00				
	EDD (Type)	Excel		# of Coolers:	<u>, , , , , , , , , , , , , , , , , , , </u>	2	ояє	ic A				
				Cooler Tempination crite)a			 		
							19108) 90				
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No ZIO:9871		Chlori				
3/a1/21	0931	7345	PL-54-1	1 × 42 JAK	ALL	8	XXX					
, ,	1015	·	Pi-EW-1	ļ	£	200						
	ίσαS		fr-Eu-2			εœ						
	0والجو		1- mm - 7			5004						
	095		F-44-2		-	Sao						
	1986		アレーンショービ			ک مر						
	1030		PL-NW-W			ton						
+	5E04.	-1	pr-sin-N	-4	7	300	ר ד					
												<u>_</u>
Date:	Time:	Relinquished by:	ed by:	Received by:	Via:	Date Time	Remarks:	Remarks: Bill to EOG Artesia	Artesia			
Valla	50e1			WAAAA	الكملا	sall in light						
Date:	Time:	Relinquished by:		Received by:	Via:	Date Time						
ø	N 1900	ann	annin	CM-	DUNNY C	gleda 0210			·			
	If necessary,	samples sul	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 repoint	contracted to other a	ocredited laboratori	ies. This serves as notice of th	is possibility. A	ny sub-contracter	d data will be clear	ly notated on the ana	alytical repoi	



September 29, 2021

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

OrderNo.: 2109B70

Dear Will Kierdorf:

RE: Roy SWD 3

Hall Environmental Analysis Laboratory received 3 sample(s) on 9/22/2021 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

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2109B70

Date Reported: 9/29/2021

CLIENT:	EOG	Client Sample ID: WH-1.A
Project:	Roy SWD 3	Collection Date: 9/21/2021 8:58:00 AM
Lab ID:	2109B70-001	Matrix: MEOH (SOIL) Received Date: 9/22/2021 7:10:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	420	60	mg/Kg	20	9/22/2021 10:03:30 AM	62749
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	9/22/2021 11:04:30 AM	62736
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	9/22/2021 11:04:30 AM	62736
Surr: DNOP	90.9	70-130	%Rec	1	9/22/2021 11:04:30 AM	62736
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.0	mg/Kg	1	9/23/2021 10:23:21 AM	G81527
Surr: BFB	106	70-130	%Rec	1	9/23/2021 10:23:21 AM	G81527
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.020	mg/Kg	1	9/22/2021 9:25:11 AM	B81482
Toluene	ND	0.040	mg/Kg	1	9/22/2021 9:25:11 AM	B81482
Ethylbenzene	ND	0.040	mg/Kg	1	9/22/2021 9:25:11 AM	B81482
Xylenes, Total	ND	0.081	mg/Kg	1	9/22/2021 9:25:11 AM	B81482
Surr: 4-Bromofluorobenzene	90.4	70-130	%Rec	1	9/22/2021 9:25:11 AM	B81482

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

Qualifiers:

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 1 of 7

Hall Environmental Analysis Laboratory, Inc.

Lab Order **2109B70** Date Reported: **9/29/2021**

CLIENT	EOG	Client Sample ID: PL-1.A
Project:	Roy SWD 3	Collection Date: 9/21/2021 9:08:00 AM
Lab ID:	2109B70-002	Matrix: MEOH (SOIL) Received Date: 9/22/2021 7:10:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	500	61	mg/Kg	20	9/22/2021 10:15:54 AM	62749
EPA METHOD 8015M/D: DIESEL RANGE O	RGANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	9/22/2021 11:16:58 AM	62736
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	9/22/2021 11:16:58 AM	62736
Surr: DNOP	104	70-130	%Rec	1	9/22/2021 11:16:58 AM	62736
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	3.8	mg/Kg	1	9/23/2021 10:47:07 AM	G81527
Surr: BFB	104	70-130	%Rec	1	9/23/2021 10:47:07 AM	G81527
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.019	mg/Kg	1	9/22/2021 9:48:58 AM	B81482
Toluene	ND	0.038	mg/Kg	1	9/22/2021 9:48:58 AM	B81482
Ethylbenzene	ND	0.038	mg/Kg	1	9/22/2021 9:48:58 AM	B81482
Xylenes, Total	ND	0.076	mg/Kg	1	9/22/2021 9:48:58 AM	B81482
Surr: 4-Bromofluorobenzene	88.4	70-130	%Rec	1	9/22/2021 9:48:58 AM	B81482

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

Page 2 of 7

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2109B70

Date Reported: 9/29/2021

CLIENT	EOG	Client Sample ID: PH-1.A
Project:	Roy SWD 3	Collection Date: 9/21/2021 9:14:00 AM
Lab ID:	2109B70-003	Matrix: MEOH (SOIL) Received Date: 9/22/2021 7:10:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	170	60	mg/Kg	20	9/22/2021 10:28:18 AM	62749
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	9/22/2021 11:29:24 AM	62736
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	9/22/2021 11:29:24 AM	62736
Surr: DNOP	85.4	70-130	%Rec	1	9/22/2021 11:29:24 AM	62736
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.1	mg/Kg	1	9/23/2021 11:10:54 AN	G81527
Surr: BFB	104	70-130	%Rec	1	9/23/2021 11:10:54 AM	G81527
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.021	mg/Kg	1	9/22/2021 11:27:29 AN	B81482
Toluene	ND	0.041	mg/Kg	1	9/22/2021 11:27:29 AM	B81482
Ethylbenzene	ND	0.041	mg/Kg	1	9/22/2021 11:27:29 AM	B81482
Xylenes, Total	ND	0.082	mg/Kg	1	9/22/2021 11:27:29 AM	B81482
Surr: 4-Bromofluorobenzene	91.1	70-130	%Rec	1	9/22/2021 11:27:29 AN	B81482

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

Qualifiers:

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 3 of 7

	WO#:	2109B70
Hall Environmental Analysis Laboratory, Inc.		29-Sep-21

Client:	EOG	D 2									
Project:	Roy SW	D 3									
Sample ID:	MB-62749	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID:	PBS	Batch	n ID: 62	749	F	RunNo: 8 1	465				
Prep Date:	9/22/2021	Analysis D	0ate: 9/	22/2021	5	SeqNo: 28	379290	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID:	LCS-62749	SampT	ype: LC	S	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID:	LCSS	Batch	n ID: 62	749	F	RunNo: 8 1	465				
Prep Date:	9/22/2021	Analysis D)ate: 9/	22/2021	5	SeqNo: 28	379291	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		15	1.5	15.00	0	96.9	90	110			

Qualifiers:

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

- Analyte detected in the associated Method Blank В
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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EOG

Client:

U SUMMANI NEFUNI	WO#:	2109B70
Iall Environmental Analysis Laboratory, Inc.		29-Sep-21

Project: Roy SW	/D 3									
Sample ID: LCS-62736	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batch	n ID: 62	736	F	RunNo: 8 ′	1472				
Prep Date: 9/22/2021	Analysis D	ate: 9/	22/2021	S	SeqNo: 28	878395	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	87.4	68.9	135			
Surr: DNOP	4.4		5.000		88.9	70	130			
Sample ID: MB-62736	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batch	n ID: 62	700	r						
	Dato		/ 30	r	RunNo: 8	1472				
Prep Date: 9/22/2021	Analysis D				GeqNo: 8		Units: mg/K	g		
Prep Date: 9/22/2021 Analyte			22/2021				Units: mg/K HighLimit	í g %RPD	RPDLimit	Qual
	Analysis D	ate: 9/	22/2021	S	SeqNo: 28	878420	Ū	0	RPDLimit	Qual
Analyte	Analysis D Result	PQL	22/2021	S	SeqNo: 28	878420	Ū	0	RPDLimit	Qual

Qualifiers:

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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I KEPUKI	WO#:	2109B70	
tal Analysis Laboratory, Inc.		29-Sen-21	

Client: Project:	EOG Roy SWI	03									
Sample ID: mb		SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015D: Gasol	ine Rang	e	
Client ID: PBS		Batch	n ID: G8	1527	F	unNo: 8	1527				
Prep Date:		Analysis D	ate: 9/	23/2021	S	eqNo: 2	880274	Units: mg/Kg	9		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organ Surr: BFB	nics (GRO)	ND 1100	5.0	1000		106	70	130			
Sample ID: 2.5ug	g gro Ics	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015D: Gasol	ine Rang	e	
Client ID: LCSS	5	Batch	n ID: G8	1527	F	unNo: 8	1527				
Prep Date:		Analysis D	ate: 9/	23/2021	S	eqNo: 2	880275	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organ	nics (GRO)	27	5.0	25.00	0	107	78.6	131			
Surr: BFB		1200		1000		120	70	130			
Sample ID: mb-6	2766	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015D: Gasol	ine Rang	e	
Client ID: PBS		Batch	n ID: 62	766	F	lunNo: 8	1527				
Prep Date: 9/22	2/2021	Analysis D	ate: 9/	23/2021	5	eqNo: 2	880290	Units: %Rec			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB		1000		1000		102	70	130			
Sample ID: Ics-6	2766	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015D: Gasol	ine Rang	e	
Client ID: LCSS	5	Batch	n ID: 62	766	F	lunNo: 8	1527				
Prep Date: 9/22	2/2021	Analysis D	ate: 9/	23/2021	S	eqNo: 2	880291	Units: %Rec			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB		1100		1000		115	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
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- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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WOŧ	: 210	9B70
	20.5	

29-Sep-21

Client:	EOG									
Project:	Roy SWD 3									
Sample ID: mb	Sa	mpType:	MBLK	Tes	tCode: EF	PA Method	8021B: Volat	iles		
Client ID: PBS	E	Batch ID:	B81482	F	RunNo: 8 ′	1482				
Prep Date:	Analy	sis Date:	9/22/2021	S	SeqNo: 2	879097	Units: mg/K	g		
Analyte	Resu	ılt PQ	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	N	D 0.02	25							
Toluene	N	D 0.0	50							
Ethylbenzene	N	D 0.0	50							
Xylenes, Total	N	D 0.1	10							
Surr: 4-Bromofluorok	enzene 0.9	0	1.000		89.6	70	130			
Sample ID: 100ng	btex lcs Sa	mpType:	LCS	Tes	tCode: EF	PA Method	8021B: Volat	iles		
Client ID: LCSS	E	Batch ID:	B81482	F	RunNo: 8	1482				
Prep Date:	Analy	sis Date:	9/22/2021	S	SeqNo: 2	879102	Units: mg/K	g		
Analyte	Resu	ılt PQ	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.9	9 0.02	25 1.000	0	98.5	80	120			
Toluene	0.9	9 0.0	50 1.000	0	99.4	80	120			
Ethylbenzene	0.9	9 0.0	50 1.000	0	98.6	80	120			
Xylenes, Total	2	.9 0.1	10 3.000	0	97.1	80	120			
Surr: 4-Bromofluorok	enzene 0.8	9	1.000		88.7	70	130			
Sample ID: mb-62	2 766 Sa	mpType:	MBLK	Tes	tCode: EF	PA Method	8021B: Volat	iles		
Client ID: PBS	E	Batch ID:	62766	F	RunNo: 8 '	1527				
Prep Date: 9/22	2021 Analys	sis Date:	9/23/2021	S	SeqNo: 2	880326	Units: %Rec	;		
Analyte	Resu	ılt PQ	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorob	enzene 0.9	0	1.000		89.5	70	130			
Sample ID: LCS-6	2766 Sa	mpType:	LCS	Tes	tCode: EF	PA Method	8021B: Volat	iles		
Client ID: LCSS	E	Batch ID:	62766	F	RunNo: 8 ′	1527				
Prep Date: 9/22	2021 Analys	sis Date:	9/23/2021	S	SeqNo: 2	880327	Units: %Rec	;		
Analyte	Resu	ılt PQ	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorob	enzene 0.9	94	1.000		94.3	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

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	(16/2022 4:08:19 PM RONMENTAL YSIS RATORY	TEL: 505-345-3;	ntal Analysis Labor 4901 Hawki Albuquerque, NM 975 FAX: 505-345 s.hallenvironmenta	ns NE 87109 Sar -4107	Page 20				
Client Name:	EOG	Work Order Num	ber: 2109B70		RcptNo: 1				
Received By:	Cheyenne Cason	9/22/2021 7:10:00 /	٩M	Chenl S-C					
Completed By:	Sean Livingston	9/22/2021 8:01:14 /	A M	\leq /	, 				
Reviewed By:		9.22.21		_), <i>(</i>),	- Joi				
<u>Chain of Cus</u>	<u>tody</u>								
1. Is Chain of C	ustody complete?	·	Yes 🔽	No 🗌	Not Present				
2. How was the	sample delivered?		<u>Courier</u>						
<u>Log In</u>									
3. Was an attem	npt made to cool the same	bles?	Yes 🗹	No 🗌					
4. Were all sam	ples received at a tempera	ature of >0° C to 6.0°C	Yes 🔽	No 🗌					
5. Sample(s) in	proper container(s)?		Yes 🗹	No 🗌					
6. Sufficient sam	ple volume for indicated t	est(s)?	Yes 🖌	No 🗌					
7. Are samples (except VOA and ONG) pr	operly preserved?	Yes 🖌	No 🗌					
8. Was preserva	tive added to bottles?		Yes 🗌	No 🔽	NA 🗌				
9. Received at le	ast 1 vial with headspace	<1/4" for AQ VOA?	Yes 🗌	No 🗌	NA 🗹				
10. Were any san	nple containers received l	proken?	Yes 🗆	No 🗹	# of preserved bottles checked				
	ork match bottle labels? ancies on chain of custody	/)	Yes 🗹	No 🗌	for pH: (<2 or >12 upless noted)				
12. Are matrices of	correctly identified on Cha	in of Custody?	Yes 🗹	No 🗌	Adjusted?				
13. Is it clear what	t analyses were requested	1?	Yes 🗹	No					
	ng times able to be met? ustomer for authorization.)	Yes 🗹	No 🗌	enecked by: JL 9 2:2				
Special Handl	ing (if applicable)			0					
15. Was client no	tified of all discrepancies	with this order?	Yes	No 🗌	NA 🗹				
Person	Notified:	Date:	17.27. Annual and 19.17. Statements of the second second						
By Who	em:	Via:	eMail 🔲 I	Phone 🗌 Fax	in Person				
Regardi Client Ir	ing:				an ar character and a second				
16. Additional res	marks:			·					
17. <u>Cooler Infor</u> Cooler No		Seal Intact Seal No	Seal Date	Signed By					

Page 1 of 1

Received by OCL	3/16/2022 4:08:19 PM
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icq.		Chain of Clintody Docard	Turn-Around Time:	Time:								
								HALL ENVIRONMENTAL	NVIE	SONF	N II N	IAI
Client: EUG-Artesia / Kanger Env.	rtesia / Kai	lger Env.	□ Standard	-	K Rush SAME DAY			ANALYSIS LABORATORY	SISL	ABO	RAT	NOR N
			Project Name:	Ray Swo #3	#3			www.hallenvironmental.com	vironmen	tal.com		
Mailing Address	: EOG - 105	Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210		-		490	1 Hawki	4901 Hawkins NF - Albinitierdite NM 87109	piniernii	E MM 8	7109	
Ranger: PO Box 201179, Austin TX 78720	: 201179, A	ustin TX 78720	Project #: 5375	5			Tel. 505-345-3975	5-3975	Fax 505-345-4107	-345-410	222	
Phone #: 521-335-1785	335-1785							Ana	Analysis Request	luest		
email or Fax#: Will@RangerEnv.com	Will@Ran	gerEnv.com	Project Manager: W. Kierdorf	ger: W. Kiero	lorf	(,						
QA/QC Package: ■ Standard	ä	Level 4 (Full Validation)				OAM \ (
Accreditation: NELAC		mpliance	Sampler: M. J On Ice:	KIERDORF DY Yes	No.) א מאל	(00)					
EDD (Type)) Excel		# of Coolers:	0.0			E Ac					
3			Cooler Tempmanager 5,2	including CF) 5, 2	-@1≡5.		13) (
Date Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. Z10913 700	втех ((Chloride					
3/21/21 D358	Soil	WH-1, A	1 × 472 JAR	ILE	100	XX	×					
8050		6-1-20		-	700							
T 00 14	4	94-1, A	1		େଦ୍ଦ	77						
Date: Time:	Relinquished by:		Received by:	Via:	Date Time	Remarks:	Bill to E	I I I I Remarks: Bill to EOG Artesia				
1202 1302			WANNA	win	9/21/21 1205							
Date: Time: F	Relinquished by:		Received by:	Via: 🞸								
If necessa	ry, samples sub	100 000 000 000 000 000 000 000 000 000 000 000 000 000 0000 0000 00000000	Contracted to other a	COUNCE	$\frac{\sqrt{12}\sqrt{1}}{1}$ $\frac{\sqrt{1}}{1}$ $\frac{\sqrt{12}\sqrt{10}}{1}$	lis possibility.	Any sub-cor	tracted data wil	be clearly no	stated on the	analytical	repoi

Released to Imaging: 9/13/2022 3:05:29 PM



February 15, 2022

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

OrderNo.: 2202386

RE: Roy SWD 3

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 16 sample(s) on 2/9/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202386

Date Reported: 2/15/2022

CLIENT: EOG	Client Sample ID: TH-1/0
Project: Roy SWD 3	Collection Date: 2/8/2022 9:00:00 AM
Lab ID: 2202386-001	Matrix: MEOH (SOIL) Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	t: CAS
Chloride	6700	300	mg/Kg	100) 2/9/2022 4:19:27 PM	65445
EPA METHOD 8015M/D: DIESEL RANGE OF	RGANICS				Analyst	t: SB
Diesel Range Organics (DRO)	10	9.8	mg/Kg	1	2/9/2022 10:44:57 AM	65443
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/9/2022 10:44:57 AM	65443
Surr: DNOP	114	51.1-141	%Rec	1	2/9/2022 10:44:57 AM	65443
EPA METHOD 8015D: GASOLINE RANGE					Analyst	t: NSB
Gasoline Range Organics (GRO)	ND	3.6	mg/Kg	1	2/9/2022 9:07:24 AM	B85713
Surr: BFB	112	70-130	%Rec	1	2/9/2022 9:07:24 AM	B85713
EPA METHOD 8021B: VOLATILES					Analyst	t: NSB
Benzene	ND	0.018	mg/Kg	1	2/9/2022 9:07:24 AM	D85713
Toluene	ND	0.036	mg/Kg	1	2/9/2022 9:07:24 AM	D85713
Ethylbenzene	ND	0.036	mg/Kg	1	2/9/2022 9:07:24 AM	D85713
Xylenes, Total	ND	0.072	mg/Kg	1	2/9/2022 9:07:24 AM	D85713
Surr: 4-Bromofluorobenzene	108	70-130	%Rec	1	2/9/2022 9:07:24 AM	D85713

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202386

Date Reported: 2/15/2022

CLIENT:	EOG	Client Sample ID: TH-1/5
Project:	Roy SWD 3	Collection Date: 2/8/2022 9:20:00 AM
Lab ID:	2202386-002	Matrix: MEOH (SOIL) Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	640	60	mg/Kg	20	2/9/2022 11:57:58 AM	65445
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	2/9/2022 10:55:24 AM	65443
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/9/2022 10:55:24 AM	65443
Surr: DNOP	79.2	51.1-141	%Rec	1	2/9/2022 10:55:24 AM	65443
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	5.1	mg/Kg	1	2/9/2022 9:31:01 AM	B85713
Surr: BFB	112	70-130	%Rec	1	2/9/2022 9:31:01 AM	B85713
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.026	mg/Kg	1	2/9/2022 9:31:01 AM	D85713
Toluene	ND	0.051	mg/Kg	1	2/9/2022 9:31:01 AM	D85713
Ethylbenzene	ND	0.051	mg/Kg	1	2/9/2022 9:31:01 AM	D85713
Xylenes, Total	ND	0.10	mg/Kg	1	2/9/2022 9:31:01 AM	D85713
Surr: 4-Bromofluorobenzene	107	70-130	%Rec	1	2/9/2022 9:31:01 AM	D85713

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

Qualifiers:

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

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Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202386

Date Reported: 2/15/2022

CLIENT: EOG	Client Sample ID: TH-2/0
Project: Roy SWD 3	Collection Date: 2/8/2022 9:30:00 AM
Lab ID: 2202386-003	Matrix: MEOH (SOIL) Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	12000	600	mg/Kg	200) 2/9/2022 4:31:52 PM	65445
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	2/9/2022 11:05:55 AM	65443
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/9/2022 11:05:55 AM	65443
Surr: DNOP	104	51.1-141	%Rec	1	2/9/2022 11:05:55 AM	65443
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	3.7	mg/Kg	1	2/9/2022 9:54:29 AM	B85713
Surr: BFB	115	70-130	%Rec	1	2/9/2022 9:54:29 AM	B85713
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.019	mg/Kg	1	2/9/2022 9:54:29 AM	D85713
Toluene	ND	0.037	mg/Kg	1	2/9/2022 9:54:29 AM	D85713
Ethylbenzene	ND	0.037	mg/Kg	1	2/9/2022 9:54:29 AM	D85713
Xylenes, Total	ND	0.074	mg/Kg	1	2/9/2022 9:54:29 AM	D85713
Surr: 4-Bromofluorobenzene	108	70-130	%Rec	1	2/9/2022 9:54:29 AM	D85713

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

Qualifiers:

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

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Lab Order 2202386

Date Reported: 2/15/2022

CLIENT:	EOG	0	Client Sample ID: TH-2/2
Project:	Roy SWD 3		Collection Date: 2/8/2022 9:34:00 AM
Lab ID:	2202386-004	Matrix: MEOH (SOIL)	Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	2000	60	mg/Kg	20	2/9/2022 12:22:46 PM	65445
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	2/9/2022 11:16:25 AM	65443
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/9/2022 11:16:25 AM	65443
Surr: DNOP	104	51.1-141	%Rec	1	2/9/2022 11:16:25 AM	65443
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	3.9	mg/Kg	1	2/9/2022 10:18:02 AM	B85713
Surr: BFB	109	70-130	%Rec	1	2/9/2022 10:18:02 AM	B85713
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.019	mg/Kg	1	2/9/2022 10:18:02 AM	D85713
Toluene	ND	0.039	mg/Kg	1	2/9/2022 10:18:02 AM	D85713
Ethylbenzene	ND	0.039	mg/Kg	1	2/9/2022 10:18:02 AM	D85713
Xylenes, Total	ND	0.078	mg/Kg	1	2/9/2022 10:18:02 AM	D85713
Surr: 4-Bromofluorobenzene	105	70-130	%Rec	1	2/9/2022 10:18:02 AM	D85713

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202386

Date Reported: 2/15/2022

CLIENT:	EOG	Client Sample ID: TH-3/3
Project:	Roy SWD 3	Collection Date: 2/8/2022 10:16:00 AM
Lab ID:	2202386-005	Matrix: MEOH (SOIL) Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	5000	150	mg/Kg	50	2/9/2022 4:44:16 PM	65445
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	2/9/2022 11:26:56 AM	65443
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/9/2022 11:26:56 AM	65443
Surr: DNOP	82.7	51.1-141	%Rec	1	2/9/2022 11:26:56 AM	65443
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.1	mg/Kg	1	2/9/2022 10:41:39 AM	B85713
Surr: BFB	112	70-130	%Rec	1	2/9/2022 10:41:39 AM	B85713
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.021	mg/Kg	1	2/9/2022 10:41:39 AM	D85713
Toluene	ND	0.041	mg/Kg	1	2/9/2022 10:41:39 AM	D85713
Ethylbenzene	ND	0.041	mg/Kg	1	2/9/2022 10:41:39 AM	D85713
Xylenes, Total	ND	0.083	mg/Kg	1	2/9/2022 10:41:39 AM	D85713
Surr: 4-Bromofluorobenzene	109	70-130	%Rec	1	2/9/2022 10:41:39 AM	D85713

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202386

Date Reported: 2/15/2022

CLIENT: EOG	Client Sample ID: TH-3/10
Project: Roy SWD 3	Collection Date: 2/8/2022 10:50:00 AM
Lab ID: 2202386-006	Matrix: MEOH (SOIL) Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	680	60	mg/Kg	20	2/9/2022 12:47:35 PM	65445
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	2/9/2022 11:37:28 AM	65443
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	2/9/2022 11:37:28 AM	65443
Surr: DNOP	76.3	51.1-141	%Rec	1	2/9/2022 11:37:28 AM	65443
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	5.8	mg/Kg	1	2/9/2022 11:05:19 AM	B85713
Surr: BFB	114	70-130	%Rec	1	2/9/2022 11:05:19 AM	B85713
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.029	mg/Kg	1	2/9/2022 11:05:19 AM	D85713
Toluene	ND	0.058	mg/Kg	1	2/9/2022 11:05:19 AM	D85713
Ethylbenzene	ND	0.058	mg/Kg	1	2/9/2022 11:05:19 AM	D85713
Xylenes, Total	ND	0.12	mg/Kg	1	2/9/2022 11:05:19 AM	D85713
Surr: 4-Bromofluorobenzene	108	70-130	%Rec	1	2/9/2022 11:05:19 AM	D85713

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202386

Date Reported: 2/15/2022

CLIENT:	EOG	Client Sample ID: TH-4/0
Project:	Roy SWD 3	Collection Date: 2/8/2022 11:01:00 AM
Lab ID:	2202386-007	Matrix: MEOH (SOIL) Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	17000	600	mg/Kg	200) 2/9/2022 4:56:41 PM	65445
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	2/9/2022 11:47:58 AM	65443
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/9/2022 11:47:58 AM	65443
Surr: DNOP	82.2	51.1-141	%Rec	1	2/9/2022 11:47:58 AM	65443
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	3.3	mg/Kg	1	2/9/2022 12:40:22 PM	B85713
Surr: BFB	111	70-130	%Rec	1	2/9/2022 12:40:22 PM	B85713
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.016	mg/Kg	1	2/9/2022 12:40:22 PM	D85713
Toluene	ND	0.033	mg/Kg	1	2/9/2022 12:40:22 PM	D85713
Ethylbenzene	ND	0.033	mg/Kg	1	2/9/2022 12:40:22 PM	D85713
Xylenes, Total	ND	0.066	mg/Kg	1	2/9/2022 12:40:22 PM	D85713
Surr: 4-Bromofluorobenzene	103	70-130	%Rec	1	2/9/2022 12:40:22 PM	D85713

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202386

Date Reported: 2/15/2022

CLIENT: EOG		Client Sample ID: TH-4/4
Project:	Roy SWD 3	Collection Date: 2/8/2022 11:20:00 AM
Lab ID:	2202386-008	Matrix: MEOH (SOIL) Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	CAS
Chloride	860	60	mg/Kg	20	2/9/2022 1:12:24 PM	65445
EPA METHOD 8015M/D: DIESEL RANGE OF				Analyst:	SB	
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	2/10/2022 10:50:39 AM	65443
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/10/2022 10:50:39 AM	65443
Surr: DNOP	106	51.1-141	%Rec	1	2/10/2022 10:50:39 AM	65443
EPA METHOD 8015D: GASOLINE RANGE					Analyst:	RAA
Gasoline Range Organics (GRO)	ND	5.5	mg/Kg	1	2/9/2022 1:17:00 PM	R85712
Surr: BFB	101	70-130	%Rec	1	2/9/2022 1:17:00 PM	R85712
EPA METHOD 8021B: VOLATILES					Analyst:	RAA
Benzene	ND	0.028	mg/Kg	1	2/9/2022 1:17:00 PM	BS85712
Toluene	ND	0.055	mg/Kg	1	2/9/2022 1:17:00 PM	BS85712
Ethylbenzene	ND	0.055	mg/Kg	1	2/9/2022 1:17:00 PM	BS85712
Xylenes, Total	ND	0.11	mg/Kg	1	2/9/2022 1:17:00 PM	BS85712
Surr: 4-Bromofluorobenzene	94.9	70-130	%Rec	1	2/9/2022 1:17:00 PM	BS85712

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202386

Date Reported: 2/15/2022

CLIENT: EOG		Client Sample ID: TH-5/4				
Project:	Roy SWD 3		Collection Date: 2/8/2022 12:17:00 PM			
Lab ID:	2202386-009	Matrix: MEOH (SOIL)	Received Date: 2/9/2022 8:21:00 AM			

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	CAS
Chloride	2700	150	mg/Kg	50	2/9/2022 5:09:05 PM	65445
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst:	SB
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	2/9/2022 12:09:03 PM	65443
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	2/9/2022 12:09:03 PM	65443
Surr: DNOP	79.3	51.1-141	%Rec	1	2/9/2022 12:09:03 PM	65443
EPA METHOD 8015D: GASOLINE RANGE					Analyst:	RAA
Gasoline Range Organics (GRO)	ND	3.7	mg/Kg	1	2/9/2022 1:37:00 PM	R85712
Surr: BFB	103	70-130	%Rec	1	2/9/2022 1:37:00 PM	R85712
EPA METHOD 8021B: VOLATILES					Analyst:	RAA
Benzene	ND	0.019	mg/Kg	1	2/9/2022 1:37:00 PM	BS85712
Toluene	ND	0.037	mg/Kg	1	2/9/2022 1:37:00 PM	BS85712
Ethylbenzene	ND	0.037	mg/Kg	1	2/9/2022 1:37:00 PM	BS85712
Xylenes, Total	ND	0.074	mg/Kg	1	2/9/2022 1:37:00 PM	BS85712
Surr: 4-Bromofluorobenzene	91.1	70-130	%Rec	1	2/9/2022 1:37:00 PM	BS85712

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202386

Date Reported: 2/15/2022

CLIENT:	EOG	Client Sample ID: TH-5/10
Project:	Roy SWD 3	Collection Date: 2/8/2022 12:58:00 PM
Lab ID:	2202386-010	Matrix: MEOH (SOIL) Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	8500	300	mg/Kg	100	0 2/9/2022 5:21:30 PM	65445
EPA METHOD 8015M/D: DIESEL RANGE OF	RGANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	2/9/2022 12:19:38 PM	65443
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/9/2022 12:19:38 PM	65443
Surr: DNOP	91.9	51.1-141	%Rec	1	2/9/2022 12:19:38 PM	65443
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.1	mg/Kg	1	2/9/2022 1:57:00 PM	R85712
Surr: BFB	102	70-130	%Rec	1	2/9/2022 1:57:00 PM	R85712
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Benzene	ND	0.020	mg/Kg	1	2/9/2022 1:57:00 PM	BS85712
Toluene	ND	0.041	mg/Kg	1	2/9/2022 1:57:00 PM	BS85712
Ethylbenzene	ND	0.041	mg/Kg	1	2/9/2022 1:57:00 PM	BS85712
Xylenes, Total	ND	0.082	mg/Kg	1	2/9/2022 1:57:00 PM	BS85712
Surr: 4-Bromofluorobenzene	92.2	70-130	%Rec	1	2/9/2022 1:57:00 PM	BS85712

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

* **Qualifiers:**

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202386

Date Reported: 2/15/2022

CLIENT	EOG	Client Sample ID: TH-6/0
Project:	Roy SWD 3	Collection Date: 2/8/2022 1:16:00 PM
Lab ID:	2202386-011	Matrix: MEOH (SOIL) Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	PQL (Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	1200	60	mg/Kg	20	2/9/2022 2:14:26 PM	65445
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	2/9/2022 12:30:13 PM	65443
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/9/2022 12:30:13 PM	65443
Surr: DNOP	80.7	51.1-141	%Rec	1	2/9/2022 12:30:13 PM	65443
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/9/2022 11:18:00 AM	R85712
Surr: BFB	104	70-130	%Rec	1	2/9/2022 11:18:00 AM	R85712
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Benzene	ND	0.024	mg/Kg	1	2/9/2022 11:18:00 AM	BS85712
Toluene	ND	0.048	mg/Kg	1	2/9/2022 11:18:00 AM	BS85712
Ethylbenzene	ND	0.048	mg/Kg	1	2/9/2022 11:18:00 AM	BS85712
Xylenes, Total	ND	0.097	mg/Kg	1	2/9/2022 11:18:00 AM	BS85712
Surr: 4-Bromofluorobenzene	97.9	70-130	%Rec	1	2/9/2022 11:18:00 AM	BS85712

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202386

Date Reported: 2/15/2022

CLIENT	EOG	Client Sample ID: TH-6/2
Project:	Roy SWD 3	Collection Date: 2/8/2022 1:21:00 PM
Lab ID:	2202386-012	Matrix: MEOH (SOIL) Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	CAS
Chloride	ND	60	mg/Kg	20	2/9/2022 2:26:51 PM	65445
EPA METHOD 8015M/D: DIESEL RANGE OF	RGANICS				Analyst:	SB
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	2/9/2022 12:40:48 PM	65443
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/9/2022 12:40:48 PM	65443
Surr: DNOP	110	51.1-141	%Rec	1	2/9/2022 12:40:48 PM	65443
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.1	mg/Kg	1	2/9/2022 11:38:00 AM	R85712
Surr: BFB	102	70-130	%Rec	1	2/9/2022 11:38:00 AM	R85712
EPA METHOD 8021B: VOLATILES					Analyst:	RAA
Benzene	ND	0.021	mg/Kg	1	2/9/2022 11:38:00 AM	BS85712
Toluene	ND	0.041	mg/Kg	1	2/9/2022 11:38:00 AM	BS85712
Ethylbenzene	ND	0.041	mg/Kg	1	2/9/2022 11:38:00 AM	BS85712
Xylenes, Total	ND	0.083	mg/Kg	1	2/9/2022 11:38:00 AM	BS85712
Surr: 4-Bromofluorobenzene	91.5	70-130	%Rec	1	2/9/2022 11:38:00 AM	BS85712

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range RL Reporting Limit
- Page 12 of 20

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202386

Date Reported: 2/15/2022

CLIENT	EOG	Client Sample ID: TH-7/0
Project:	Roy SWD 3	Collection Date: 2/8/2022 1:40:00 PM
Lab ID:	2202386-013	Matrix: MEOH (SOIL) Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	CAS
Chloride	170	61	mg/Kg	20	2/9/2022 2:39:15 PM	65445
EPA METHOD 8015M/D: DIESEL RANGE OF	GANICS				Analyst:	SB
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	2/9/2022 12:51:23 PM	65443
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	2/9/2022 12:51:23 PM	65443
Surr: DNOP	82.7	51.1-141	%Rec	1	2/9/2022 12:51:23 PM	65443
EPA METHOD 8015D: GASOLINE RANGE					Analyst:	RAA
Gasoline Range Organics (GRO)	ND	4.4	mg/Kg	1	2/9/2022 11:58:00 AM	R85712
Surr: BFB	103	70-130	%Rec	1	2/9/2022 11:58:00 AM	R85712
EPA METHOD 8021B: VOLATILES					Analyst:	RAA
Benzene	ND	0.022	mg/Kg	1	2/9/2022 11:58:00 AM	BS85712
Toluene	ND	0.044	mg/Kg	1	2/9/2022 11:58:00 AM	BS85712
Ethylbenzene	ND	0.044	mg/Kg	1	2/9/2022 11:58:00 AM	BS85712
Xylenes, Total	ND	0.088	mg/Kg	1	2/9/2022 11:58:00 AM	BS85712
Surr: 4-Bromofluorobenzene	96.6	70-130	%Rec	1	2/9/2022 11:58:00 AM	BS85712

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202386

Date Reported: 2/15/2022

CLIENT	EOG	Client Sample ID: TH-7/2
Project:	Roy SWD 3	Collection Date: 2/8/2022 1:44:00 PM
Lab ID:	2202386-014	Matrix: MEOH (SOIL) Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	CAS
Chloride	420	61	mg/Kg	20	2/9/2022 2:51:40 PM	65445
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst:	SB
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	2/9/2022 12:15:51 PM	65443
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	2/9/2022 12:15:51 PM	65443
Surr: DNOP	112	51.1-141	%Rec	1	2/9/2022 12:15:51 PM	65443
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	3.7	mg/Kg	1	2/9/2022 12:18:00 PM	R85712
Surr: BFB	100	70-130	%Rec	1	2/9/2022 12:18:00 PM	R85712
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Benzene	ND	0.018	mg/Kg	1	2/9/2022 12:18:00 PM	BS85712
Toluene	ND	0.037	mg/Kg	1	2/9/2022 12:18:00 PM	BS85712
Ethylbenzene	ND	0.037	mg/Kg	1	2/9/2022 12:18:00 PM	BS85712
Xylenes, Total	ND	0.073	mg/Kg	1	2/9/2022 12:18:00 PM	BS85712
Surr: 4-Bromofluorobenzene	94.0	70-130	%Rec	1	2/9/2022 12:18:00 PM	BS85712

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202386

Date Reported: 2/15/2022

CLIENT	EOG	Client Sample ID: TH-8/0
Project:	Roy SWD 3	Collection Date: 2/8/2022 1:55:00 PM
Lab ID:	2202386-015	Matrix: MEOH (SOIL) Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	PQL (Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	540	60	mg/Kg	20	2/9/2022 3:04:05 PM	65445
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	2/9/2022 12:39:48 PM	65443
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	2/9/2022 12:39:48 PM	65443
Surr: DNOP	108	51.1-141	%Rec	1	2/9/2022 12:39:48 PM	65443
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	3.4	mg/Kg	1	2/9/2022 12:38:00 PM	R85712
Surr: BFB	104	70-130	%Rec	1	2/9/2022 12:38:00 PM	R85712
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Benzene	ND	0.017	mg/Kg	1	2/9/2022 12:38:00 PM	BS85712
Toluene	ND	0.034	mg/Kg	1	2/9/2022 12:38:00 PM	BS85712
Ethylbenzene	ND	0.034	mg/Kg	1	2/9/2022 12:38:00 PM	BS85712
Xylenes, Total	ND	0.069	mg/Kg	1	2/9/2022 12:38:00 PM	BS85712
Surr: 4-Bromofluorobenzene	95.8	70-130	%Rec	1	2/9/2022 12:38:00 PM	BS85712

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202386

Date Reported: 2/15/2022

CLIENT:	EOG	Client Sample ID: TH-8/2
Project:	Roy SWD 3	Collection Date: 2/8/2022 1:58:00 PM
Lab ID:	2202386-016	Matrix: MEOH (SOIL) Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	1700	60	mg/Kg	20	2/9/2022 3:16:29 PM	65445
EPA METHOD 8015M/D: DIESEL RANGE OF	RGANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	2/9/2022 1:03:45 PM	65443
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/9/2022 1:03:45 PM	65443
Surr: DNOP	108	51.1-141	%Rec	1	2/9/2022 1:03:45 PM	65443
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	3.3	mg/Kg	1	2/9/2022 12:58:00 PM	R85712
Surr: BFB	101	70-130	%Rec	1	2/9/2022 12:58:00 PM	R85712
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Benzene	ND	0.017	mg/Kg	1	2/9/2022 12:58:00 PM	BS85712
Toluene	ND	0.033	mg/Kg	1	2/9/2022 12:58:00 PM	BS85712
Ethylbenzene	ND	0.033	mg/Kg	1	2/9/2022 12:58:00 PM	BS85712
Xylenes, Total	ND	0.067	mg/Kg	1	2/9/2022 12:58:00 PM	BS85712
Surr: 4-Bromofluorobenzene	93.7	70-130	%Rec	1	2/9/2022 12:58:00 PM	BS85712

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

Qualifiers:

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

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	WO#:	2202386
Hall Environmental Analysis Laboratory, Inc.		15-Feb-22

Client: Project:	EOG Roy SWD 3	1									
	,										
Sample ID: MB-6	5445	SampTy	•					300.0: Anion	S		
Client ID: PBS		Batch	ID: 65	445	ŀ	RunNo: 8	5731				
Prep Date: 2/9/2	2022 A	nalysis Da	te: 2/	9/2022	5	SeqNo: 30	018231	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID: LCS-	65445	SampTy	pe: Ics	6	Tes	tCode: EF	PA Method	300.0: Anion	S		
Client ID: LCSS	5	Batch	ID: 65	445	F	RunNo: 8	5731				
Prep Date: 2/9/2	2 022 A	nalysis Da	ite: 2/	/9/2022	5	SeqNo: 30	018232	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	93.8	90	110			

Qualifiers:

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

EOG

Client:

LC SUMMARY REPORT	WO#:	2202386
Hall Environmental Analysis Laboratory, Inc.		15-Feb-22

Project: Roy SW	/D 3									
Sample ID: LCS-65443	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: LCSS	Batch ID: 65443			F	RunNo: 8	5706				
Prep Date: 2/9/2022	Analysis D)ate: 2/	9/2022	S	SeqNo: 3	017637	Units: mg/K	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	97.0	68.9	135			
Surr: DNOP	5.2		5.000		104	51.1	141			
Surr: DNOP Sample ID: MB-65443		ype: ME		Tes	-	-	141 8015M/D: Die	esel Range	e Organics	
	SampT	⁻ ype: ME n ID: 65 4	BLK		-	PA Method		esel Rango	e Organics	
Sample ID: MB-65443	SampT	n ID: 654	3LK 443	F	tCode: El	PA Method		U	e Organics	
Sample ID: MB-65443 Client ID: PBS	SampT Batch	n ID: 654	3LK 443 9/2022	F	tCode: El RunNo: 8 SeqNo: 3	PA Method	8015M/D: Die	U	e Organics	Qual
Sample ID: MB-65443 Client ID: PBS Prep Date: 2/9/2022	SampT Batch Analysis D	n ID: 654 Date: 2/	3LK 443 9/2022	F	tCode: El RunNo: 8 SeqNo: 3	PA Method 5706 017638	8015M/D: Die Units: mg/K	(g	U	Qual
Sample ID: MB-65443 Client ID: PBS Prep Date: 2/9/2022 Analyte	SampT Batch Analysis D Result	n ID: 654 Date: 2/ PQL	3LK 443 9/2022	F	tCode: El RunNo: 8 SeqNo: 3	PA Method 5706 017638	8015M/D: Die Units: mg/K	(g	U	Qual

Qualifiers:

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

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EOG

Client:

Project:

Sample ID: 2.5ug Client ID: LCSS

Gasoline Range Organics (GRO)

Prep Date:

Analyte

Surr: BFB

Qualifiers:

D

Н

ND

PQL

S

QC SUMMARY REPORT

% Recovery outside of range due to dilution or matrix interference

Value exceeds Maximum Contaminant Level.

Holding times for preparation or analysis exceeded

Sample Diluted Due to Matrix

Practical Quanitative Limit

Not Detected at the Reporting Limit

в Е Estimated value

J

RL Reporting Limit

Analyte detected in the associated Method Blank

Analyte detected below quantitation limits

Р Sample pH Not In Range

Sample ID: 2.5ug Client ID: LCSS Prep Date: Analyte Gasoline Range Organi Surr: BFB Sample ID: mb Client ID: PBS Prep Date: Analyte Gasoline Range Organi Surr: BFB Sample ID: mb Client ID: PBS Prep Date: Analyte Gasoline Range Organi Surr: BFB

SPK value SPK Ref Val %REC

0

25.00

1000

Hall Environmental Analysis Laboratory, Inc.

Batch ID: B85713

PQL

5.0

Analysis Date: 2/9/2022

Result

24

1200

2202386

15-Feb-22

WO#:

Roy SW	D 3									
g gro Ics	SampT	ype: LC	s	Test	tCode: El	PA Method	8015D: Gaso	oline Rang	e	
5	Batch	n ID: R8	5712	R	RunNo: 85712					
	Analysis D)ate: 2/	9/2022	S	SeqNo: 3	017682	Units: mg/ł	٢g		
	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
nics (GRO)	26	5.0	25.00	0	105	78.6	131			
	1200		1000		119	70	130			
	SampT	уре: М	BLK	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
	Batch	n ID: R8	5712	R	RunNo: 8	5712				
	Analysis D)ate: 2/	9/2022	S	SeqNo: 3	017683	Units: mg/ł	٢g		
	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
nics (GRO)	ND									
	ND	5.0								
	980	5.0	1000		98.4	70	130			
	980	5.0 ype: M		Tes			130 8015D: Gaso	oline Rang	e	
	980 SampT		BLK			PA Method		bline Rang	e	
	980 SampT	ype: MI 1 ID: B8	3LK 35713	R	tCode: El	PA Method 5713		0	e	
	980 SampT Batch	ype: MI 1 ID: B8	BLK 95713 99/2022	R	tCode: El RunNo: 8	PA Method 5713	8015D: Gaso	0	e RPDLimit	Qual
nics (GRO)	980 SampT Batch Analysis D	ype: MI n ID: B8 Date: 2/	BLK 95713 99/2022	R	tCode: El RunNo: 8 SeqNo: 3	PA Method 5713 017937	8015D: Gaso Units: mg/ł	(g		Qual
nics (GRO)	980 SampT Batch Analysis D Result	⁻ ype: Mi n ID: B8 Date: 2 / PQL	BLK 95713 99/2022	R	tCode: El RunNo: 8 SeqNo: 3	PA Method 5713 017937	8015D: Gaso Units: mg/ł	(g		Qual

RunNo: 85713

95.4

124

SeqNo: 3017938

LowLimit

78.6

70

Units: mg/Kg

131

130

%RPD

RPDLimit

Qual

HighLimit

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QC SUM Hall Envir					ory, Inc.					WO#:	220238 15-Feb-22
Client:	EOG										
Project:	Roy SWD) 3									
Sample ID: 100n	g btex lcs	Samp	Гуре: LC	S	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: LCS	S	Batc	h ID: BS	85712	F	RunNo: 8	5712				
Prep Date:		Analysis [Date: 2/	9/2022	Ś	SeqNo: 3	017694	Units: mg/k	٤g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		1.0	0.025	1.000	0	105	80	120			
Toluene		1.0	0.050	1.000	0	102	80	120			
Ethylbenzene		1.0	0.050	1.000	0	103	80	120			
Xylenes, Total		3.1	0.10	3.000	0	102	80	120			
Surr: 4-Bromofluoro	obenzene	1.0		1.000		99.9	70	130			
Sample ID: mb		Samp ⁻	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: PBS		Batc	h ID: BS	85712	F	RunNo: 8	5712				
Prep Date:		Analysis [Date: 2/	9/2022	Ş	SeqNo: 3	017695	Units: mg/k	ζg		
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-Bromofluoro	obenzene	0.95		1.000		94.8	70	130			
Sample ID: mb		Samp ⁻	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: PBS		Batc	h ID: D8	5713	F	RunNo: 8	5713				
Prep Date:		Analysis [Date: 2/	9/2022	Ş	SeqNo: 3	017947	Units: mg/k	٤g		
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-Bromofluoro	obenzene	1.1		1.000		109	70	130			

Sample ID: 100ng btex Ics SampType			CS TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: D85713			RunNo: 85713						
Prep Date:	Analysis [Date: 2/	9/2022	S	SeqNo: 3	017948	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	90.5	80	120			
Toluene	0.95	0.050	1.000	0	95.5	80	120			
Ethylbenzene	0.97	0.050	1.000	0	96.6	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.5	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		107	70	130			

Qualifiers:

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

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ENVIRONMENTAL ANALYSIS LABORATORY		001 Hawkins NE rque, NM 87109 (: 505-345-4107	Sample Log-In Check List			
Client Name: EOG Work	Corder Number: 22	02386		RcptNo: 1		
Received By: Tracy Casarrubias 2/9/202	22 8:21:00 AM					
Completed By: Desiree Dominguez 2/9/202	22 8:25:41 AM	T	-D-			
Reviewed By: Sec 2/9/22		ب ب				
Chain of Custody						
1. Is Chain of Custody complete?	Ye	s 🗹	No 🗌	Not Present		
2. How was the sample delivered?	<u>Co</u>	urier				
Log In 3. Was an attempt made to cool the samples?	Yes		No 🗀			
4. Were all samples received at a temperature of >0° C			No 🗌			
5. Sample(s) in proper container(s)?			No 🗌			
6. Sufficient sample volume for indicated test(s)?	Yes		No 🗌			
7. Are samples (except VOA and ONG) properly preserve			No 🗌			
8. Was preservative added to bottles?	Yes		No 🗹	NA 🗌		
9. Received at least 1 vial with headspace <1/4" for AQ V	/OA? Yes		No 🗌	NA 🔽		
10, Were any sample containers received broken?	Yes		No 🗹			
1. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes	1	No 🗌	# of preserved bottles checked for pH:		
2. Are matrices correctly identified on Chain of Custody?	Yes		No 🗌	(<2.01 >12 unless noted) Adjusted?		
3. Is it clear what analyses were requested?	Yes	_	No 🗌			
 Were all holding times able to be met? (If no, notify customer for authorization.) 	Yes		No 🗌	Checked by: 2422		
pecial Handling (if applicable)				1		
15. Was client notified of all discrepancies with this order?	Yes		No 🗌	NA 🗹		
Person Notified:	Date:	A. 2010 A. 201	N NO MARA ADDITI ()			
By Whom:	Via: 🔲 eM	ail 🗌 Phone	E Fax	In Person		
Regarding:				NUMERIN AND AND AND AND AND AND AND AND AND AN		
Client Instructions:						

17. Cooler Information

Received by OCD: 3/16/2022 4:08:19 PM

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
,	2.4	Good	ļ			Signed By
2	5.3	Good	44 C			
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	Project Name:	
Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210	- Roy SWD #3	
Ranger: PO Box 201179, Austin TX 78720	Project #: 5375	nbnaik -
Phone #: 521-335-1785	1	Ter. 000-04-0-09/0 Fax 000-040-4 IU/ Analysis Reguest
email or Fax#: Will@RangerEnv.com	Project Manager: W. Kierdorf	
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Date Time Matrix Sample Name	Container Preservative HEAL No Type and # Type	2 11 108:H9 100:H9 10 10 10 10 10 10 10 10 10 10 10 10 10
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If necessary, samples submitted to Hall Environmental may be sut	bcontracted to other accredited laboratories. This serves as notic	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 renord



February 22, 2022

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

OrderNo.: 2202833

RE: Roy SWD 3

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 38 sample(s) on 2/17/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202833

Date Reported: 2/22/2022

CLIENT: EOG			ient Samp				
Project: Roy SWD 3			Collection	Date: 2	2/1	4/2022 8:57:00 AM	
Lab ID: 2202833-001	Matrix: SOIL		Received	Date: 2	2/1	7/2022 8:00:00 AM	
Analyses	Result	RL	Qual Un	its D	F	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	MRA
Chloride	ND	60	mg	/Kg 2	20	2/17/2022 9:48:28 PM	65625
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	: SB
Diesel Range Organics (DRO)	ND	9.0	mg	/Kg 1	1	2/17/2022 6:43:41 PM	65622
Motor Oil Range Organics (MRO)	ND	45	mg	/ K g 1	1	2/17/2022 6:43:41 PM	65622
Surr: DNOP	79.8	51.1-141	%F	ec 1	1	2/17/2022 6:43:41 PM	65622
EPA METHOD 8015D: GASOLINE RANGE	E					Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.9	mg	/Kg 1	1	2/18/2022 9:40:00 AM	65612
Surr: BFB	105	70-130	%F	ec 1	1	2/18/2022 9:40:00 AM	65612
EPA METHOD 8021B: VOLATILES						Analyst	RAA
Benzene	ND	0.024	mg	/ K g 1	1	2/18/2022 9:40:00 AM	65612
Toluene	ND	0.049	mg	/Kg 1	1	2/18/2022 9:40:00 AM	65612
Ethylbenzene	ND	0.049	mg	/Kg 1	1	2/18/2022 9:40:00 AM	65612
Xylenes, Total	ND	0.097	mg	/Kg 1	1	2/18/2022 9:40:00 AM	65612
Surr: 4-Bromofluorobenzene	91.0	70-130	%F	.ec 1	1	2/18/2022 9:40:00 AM	65612

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202833

Date Reported: 2/22/2022

CLIENT: EOG		Cl	ient Sa	mple II	D: TH	I-9/4	
Project: Roy SWD 3		(Collect	ion Dat	e: 2/1	4/2022 9:03:00 AM	
Lab ID: 2202833-002	Matrix: SOIL		Receiv	ved Dat	e: 2/1	7/2022 8:00:00 AM	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	MRA
Chloride	ND	60		mg/Kg	20	2/17/2022 10:00:53 PM	65625
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	2/17/2022 6:54:14 PM	65622
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/17/2022 6:54:14 PM	65622
Surr: DNOP	81.4	51.1-141		%Rec	1	2/17/2022 6:54:14 PM	65622
EPA METHOD 8015D: GASOLINE RANGE						Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/18/2022 10:00:00 AM	65612
Surr: BFB	101	70-130		%Rec	1	2/18/2022 10:00:00 AM	65612
EPA METHOD 8021B: VOLATILES						Analyst	RAA
Benzene	ND	0.024		mg/Kg	1	2/18/2022 10:00:00 AM	65612
Toluene	ND	0.048		mg/Kg	1	2/18/2022 10:00:00 AM	65612
Ethylbenzene	ND	0.048		mg/Kg	1	2/18/2022 10:00:00 AM	65612
Xylenes, Total	ND	0.097		mg/Kg	1	2/18/2022 10:00:00 AM	65612
Surr: 4-Bromofluorobenzene	89.4	70-130		%Rec	1	2/18/2022 10:00:00 AM	65612

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

Qualifiers:

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

Page 2 of 43

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202833

Date Reported: 2/22/2022

CLIENT: EOG		Cl	ient Sample II	D: TH	I-10/0	
Project: Roy SWD 3		(Collection Dat	e: 2/1	4/2022 9:29:00 AM	
Lab ID: 2202833-003	Matrix: SOIL		Received Dat	e: 2/1	7/2022 8:00:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: MRA
Chloride	3300	150	mg/Kg	50	2/18/2022 2:16:00 PM	65625
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	2/17/2022 7:04:49 PM	65622
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	2/17/2022 7:04:49 PM	65622
Surr: DNOP	79.3	51.1-141	%Rec	1	2/17/2022 7:04:49 PM	65622
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/18/2022 10:19:00 AN	65612
Surr: BFB	101	70-130	%Rec	1	2/18/2022 10:19:00 AN	65612
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.024	mg/Kg	1	2/18/2022 10:19:00 AN	65612
Toluene	ND	0.048	mg/Kg	1	2/18/2022 10:19:00 AN	65612
Ethylbenzene	ND	0.048	mg/Kg	1	2/18/2022 10:19:00 AN	65612
Xylenes, Total	ND	0.096	mg/Kg	1	2/18/2022 10:19:00 AN	65612
Surr: 4-Bromofluorobenzene	87.4	70-130	%Rec	1	2/18/2022 10:19:00 AN	65612

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202833

Date Reported: 2/22/2022

CLIENT: EOG		C	lient Sample II	D: TH	H-10/4	
Project: Roy SWD 3		(Collection Dat	e: 2/1	14/2022 9:37:00 AM	
Lab ID: 2202833-004	Matrix: SOIL		Received Dat	e: 2/1	17/2022 8:00:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	230	61	mg/Kg	20	2/17/2022 10:50:29 PM	65625
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	2/17/2022 7:15:20 PM	65622
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/17/2022 7:15:20 PM	65622
Surr: DNOP	76.9	51.1-141	%Rec	1	2/17/2022 7:15:20 PM	65622
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/18/2022 10:39:00 AM	65612
Surr: BFB	99.1	70-130	%Rec	1	2/18/2022 10:39:00 AM	65612
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Benzene	ND	0.024	mg/Kg	1	2/18/2022 10:39:00 AM	65612
Toluene	ND	0.048	mg/Kg	1	2/18/2022 10:39:00 AM	65612
Ethylbenzene	ND	0.048	mg/Kg	1	2/18/2022 10:39:00 AM	65612
Xylenes, Total	ND	0.096	mg/Kg	1	2/18/2022 10:39:00 AM	65612
Surr: 4-Bromofluorobenzene	87.6	70-130	%Rec	1	2/18/2022 10:39:00 AM	65612

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

Qualifiers:

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

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Lab Order 2202833

Date Reported: 2/22/2022

CLIENT: EOG		C	ient Sample II): TH	H-11/5	
Project: Roy SWD 3		(Collection Dat	e: 2/1	14/2022 10:23:00 AM	
Lab ID: 2202833-005	Matrix: SOIL		Received Dat	e: 2/1	17/2022 8:00:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	3200	150	mg/Kg	50	2/18/2022 2:28:21 PM	65625
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB
Diesel Range Organics (DRO)	150	9.9	mg/Kg	1	2/17/2022 7:25:51 PM	65622
Motor Oil Range Organics (MRO)	330	50	mg/Kg	1	2/17/2022 7:25:51 PM	65622
Surr: DNOP	93.1	51.1-141	%Rec	1	2/17/2022 7:25:51 PM	65622
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/18/2022 10:59:00 AM	65612
Surr: BFB	97.5	70-130	%Rec	1	2/18/2022 10:59:00 AM	65612
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Benzene	ND	0.024	mg/Kg	1	2/18/2022 10:59:00 AM	65612
Toluene	ND	0.048	mg/Kg	1	2/18/2022 10:59:00 AM	65612
Ethylbenzene	ND	0.048	mg/Kg	1	2/18/2022 10:59:00 AM	65612
Xylenes, Total	ND	0.096	mg/Kg	1	2/18/2022 10:59:00 AM	65612
Surr: 4-Bromofluorobenzene	87.0	70-130	%Rec	1	2/18/2022 10:59:00 AM	65612

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

Qualifiers:

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

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Lab Order 2202833

Date Reported: 2/22/2022

CLIENT: EOG		Cl	ient Sample I	D: TH	H-11/8	
Project: Roy SWD 3		(Collection Dat	e: 2/1	4/2022 10:35:00 AM	
Lab ID: 2202833-006	Matrix: SOIL		Received Dat	e: 2/1	7/2022 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	2/17/2022 11:15:18 PM	65625
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst:	SB
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	2/17/2022 7:36:21 PM	65622
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/17/2022 7:36:21 PM	65622
Surr: DNOP	80.5	51.1-141	%Rec	1	2/17/2022 7:36:21 PM	65622
EPA METHOD 8015D: GASOLINE RANGE					Analyst:	RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/18/2022 11:18:00 AM	65612
Surr: BFB	103	70-130	%Rec	1	2/18/2022 11:18:00 AM	65612
EPA METHOD 8021B: VOLATILES					Analyst:	RAA
Benzene	ND	0.024	mg/Kg	1	2/18/2022 11:18:00 AM	65612
Toluene	ND	0.048	mg/Kg	1	2/18/2022 11:18:00 AM	65612
Ethylbenzene	ND	0.048	mg/Kg	1	2/18/2022 11:18:00 AM	65612
Xylenes, Total	ND	0.096	mg/Kg	1	2/18/2022 11:18:00 AM	65612
Surr: 4-Bromofluorobenzene	87.9	70-130	%Rec	1	2/18/2022 11:18:00 AM	65612

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

Qualifiers:

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

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Lab Order 2202833

Date Reported: 2/22/2022

CLIENT: EOG		Cl	ient Sample I	D: TH	H-12/0	
Project: Roy SWD 3		(Collection Dat	t e: 2/1	14/2022 11:00:00 AM	
Lab ID: 2202833-007	Matrix: SOIL		Received Dat	t e: 2/1	17/2022 8:00:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	160	60	mg/Kg	20	2/17/2022 11:27:42 PM	65625
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB
Diesel Range Organics (DRO)	88	9.7	mg/Kg	1	2/17/2022 7:46:50 PM	65622
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/17/2022 7:46:50 PM	65622
Surr: DNOP	91.6	51.1-141	%Rec	1	2/17/2022 7:46:50 PM	65622
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/18/2022 11:38:00 AM	65612
Surr: BFB	97.9	70-130	%Rec	1	2/18/2022 11:38:00 AM	65612
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Benzene	ND	0.024	mg/Kg	1	2/18/2022 11:38:00 AM	65612
Toluene	ND	0.048	mg/Kg	1	2/18/2022 11:38:00 AM	65612
Ethylbenzene	ND	0.048	mg/Kg	1	2/18/2022 11:38:00 AM	65612
Xylenes, Total	ND	0.097	mg/Kg	1	2/18/2022 11:38:00 AM	65612
Surr: 4-Bromofluorobenzene	86.8	70-130	%Rec	1	2/18/2022 11:38:00 AM	65612

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

Qualifiers:

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

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Lab Order 2202833

Date Reported: 2/22/2022

CLIENT: EOG		Cl	ient Sample II	D: TH	H-12/4	
Project: Roy SWD 3		(Collection Dat	e: 2/1	14/2022 11:08:00 AM	
Lab ID: 2202833-008	Matrix: SOIL		Received Dat	e: 2/1	17/2022 8:00:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	65	61	mg/Kg	20	2/17/2022 11:40:06 PM	65625
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	2/17/2022 7:57:18 PM	65622
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/17/2022 7:57:18 PM	65622
Surr: DNOP	84.2	51.1-141	%Rec	1	2/17/2022 7:57:18 PM	65622
EPA METHOD 8015D: GASOLINE RANGE	1				Analyst	RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/18/2022 11:58:00 AM	65612
Surr: BFB	98.4	70-130	%Rec	1	2/18/2022 11:58:00 AM	65612
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Benzene	ND	0.025	mg/Kg	1	2/18/2022 11:58:00 AM	65612
Toluene	ND	0.050	mg/Kg	1	2/18/2022 11:58:00 AM	65612
Ethylbenzene	ND	0.050	mg/Kg	1	2/18/2022 11:58:00 AM	65612
Xylenes, Total	ND	0.099	mg/Kg	1	2/18/2022 11:58:00 AM	65612
Surr: 4-Bromofluorobenzene	86.0	70-130	%Rec	1	2/18/2022 11:58:00 AM	65612

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

Qualifiers:

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

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Lab Order 2202833

Date Reported: 2/22/2022

CLIENT: EOG		Cl	ient Sample I	D: TH	H-13/0	
Project: Roy SWD 3		(Collection Dat	e: 2/1	14/2022 11:27:00 AM	
Lab ID: 2202833-009	Matrix: SOIL		Received Dat	e: 2/1	17/2022 8:00:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	MRA
Chloride	220	60	mg/Kg	20	2/17/2022 11:52:30 PM	65625
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst:	SB
Diesel Range Organics (DRO)	23	9.7	mg/Kg	1	2/17/2022 8:07:45 PM	65622
Motor Oil Range Organics (MRO)	85	49	mg/Kg	1	2/17/2022 8:07:45 PM	65622
Surr: DNOP	91.5	51.1-141	%Rec	1	2/17/2022 8:07:45 PM	65622
EPA METHOD 8015D: GASOLINE RANGE					Analyst:	RAA
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	2/18/2022 12:17:00 PM	65612
Surr: BFB	100	70-130	%Rec	1	2/18/2022 12:17:00 PM	65612
EPA METHOD 8021B: VOLATILES					Analyst:	RAA
Benzene	ND	0.024	mg/Kg	1	2/18/2022 12:17:00 PM	65612
Toluene	ND	0.047	mg/Kg	1	2/18/2022 12:17:00 PM	65612
Ethylbenzene	ND	0.047	mg/Kg	1	2/18/2022 12:17:00 PM	65612
Xylenes, Total	ND	0.094	mg/Kg	1	2/18/2022 12:17:00 PM	65612
Surr: 4-Bromofluorobenzene	86.7	70-130	%Rec	1	2/18/2022 12:17:00 PM	65612

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

Qualifiers:

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

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Lab Order 2202833

Date Reported: 2/22/2022

CLIENT: EOG	Client Sample ID: TH-13/4						
Project: Roy SWD 3	Collection Date: 2/14/2022 11:35:00 AM						
Lab ID: 2202833-010	Matrix: SOIL		Received Dat	e: 2/1	7/2022 8:00:00 AM		
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	MRA	
Chloride	89	60	mg/Kg	20	2/18/2022 12:04:54 AM	65625	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB	
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	2/17/2022 8:18:12 PM	65622	
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/17/2022 8:18:12 PM	65622	
Surr: DNOP	87.0	51.1-141	%Rec	1	2/17/2022 8:18:12 PM	65622	
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA	
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/18/2022 12:37:00 PM	65612	
Surr: BFB	99.6	70-130	%Rec	1	2/18/2022 12:37:00 PM	65612	
EPA METHOD 8021B: VOLATILES					Analyst	RAA	
Benzene	ND	0.024	mg/Kg	1	2/18/2022 12:37:00 PM	65612	
Toluene	ND	0.048	mg/Kg	1	2/18/2022 12:37:00 PM	65612	
Ethylbenzene	ND	0.048	mg/Kg	1	2/18/2022 12:37:00 PM	65612	
Xylenes, Total	ND	0.096	mg/Kg	1	2/18/2022 12:37:00 PM	65612	
Surr: 4-Bromofluorobenzene	85.0	70-130	%Rec	1	2/18/2022 12:37:00 PM	65612	

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

Qualifiers:

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

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Lab Order 2202833

Date Reported: 2/22/2022

CLIENT: EOG		Cl	ient Sample II	D: TH	I-14/0	
Project: Roy SWD 3		(Collection Dat	e: 2/1	4/2022 12:50:00 PM	
Lab ID: 2202833-011	Matrix: SOIL		Received Dat	e: 2/1	7/2022 8:00:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	: MRA
Chloride	99	60	mg/Kg	20	2/17/2022 4:57:57 PM	65631
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	: SB
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	2/17/2022 8:28:37 PM	65622
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/17/2022 8:28:37 PM	65622
Surr: DNOP	78.5	51.1-141	%Rec	1	2/17/2022 8:28:37 PM	65622
EPA METHOD 8015D: GASOLINE RANGE	E				Analys	RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/18/2022 1:17:00 PM	65612
Surr: BFB	95.5	70-130	%Rec	1	2/18/2022 1:17:00 PM	65612
EPA METHOD 8021B: VOLATILES					Analys	: RAA
Benzene	ND	0.025	mg/Kg	1	2/18/2022 1:17:00 PM	65612
Toluene	ND	0.050	mg/Kg	1	2/18/2022 1:17:00 PM	65612
Ethylbenzene	ND	0.050	mg/Kg	1	2/18/2022 1:17:00 PM	65612
Xylenes, Total	ND	0.10	mg/Kg	1	2/18/2022 1:17:00 PM	65612
Surr: 4-Bromofluorobenzene	79.9	70-130	%Rec	1	2/18/2022 1:17:00 PM	65612

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

Qualifiers:

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

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Lab Order 2202833

Date Reported: 2/22/2022

CLIENT: EOG	Client Sample ID: TH-14/2						
Project: Roy SWD 3	Collection Date: 2/14/2022 12:54:00 PM						
Lab ID: 2202833-012	Matrix: SOIL		Received Dat	t e: 2/1	7/2022 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	2/17/2022 5:10:18 PM	65631	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: SB	
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	2/17/2022 8:39:02 PM	65622	
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/17/2022 8:39:02 PM	65622	
Surr: DNOP	79.2	51.1-141	%Rec	1	2/17/2022 8:39:02 PM	65622	
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	RAA	
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/18/2022 1:36:00 PM	65612	
Surr: BFB	102	70-130	%Rec	1	2/18/2022 1:36:00 PM	65612	
EPA METHOD 8021B: VOLATILES					Analyst	: RAA	
Benzene	ND	0.025	mg/Kg	1	2/18/2022 1:36:00 PM	65612	
Toluene	ND	0.050	mg/Kg	1	2/18/2022 1:36:00 PM	65612	
Ethylbenzene	ND	0.050	mg/Kg	1	2/18/2022 1:36:00 PM	65612	
Xylenes, Total	ND	0.099	mg/Kg	1	2/18/2022 1:36:00 PM	65612	
Surr: 4-Bromofluorobenzene	87.6	70-130	%Rec	1	2/18/2022 1:36:00 PM	65612	

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

Qualifiers:

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

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Lab Order 2202833

Date Reported: 2/22/2022

CLIENT: EOG		Cl	ient Sample II): TH	I-15/0	
Project: Roy SWD 3		(Collection Dat	e: 2/1	4/2022 1:00:00 PM	
Lab ID: 2202833-013	Matrix: SOIL		Received Dat	e: 2/1	7/2022 8:00:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: MRA
Chloride	8300	300	mg/Kg	100	2/18/2022 2:40:42 PM	65631
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	2/17/2022 8:49:25 PM	65622
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/17/2022 8:49:25 PM	65622
Surr: DNOP	84.9	51.1-141	%Rec	1	2/17/2022 8:49:25 PM	65622
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	2/18/2022 1:56:00 PM	65612
Surr: BFB	95.5	70-130	%Rec	1	2/18/2022 1:56:00 PM	65612
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Benzene	ND	0.023	mg/Kg	1	2/18/2022 1:56:00 PM	65612
Toluene	ND	0.046	mg/Kg	1	2/18/2022 1:56:00 PM	65612
Ethylbenzene	ND	0.046	mg/Kg	1	2/18/2022 1:56:00 PM	65612
Xylenes, Total	ND	0.093	mg/Kg	1	2/18/2022 1:56:00 PM	65612
Surr: 4-Bromofluorobenzene	82.8	70-130	%Rec	1	2/18/2022 1:56:00 PM	65612

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

Qualifiers:

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

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Lab Order 2202833

Date Reported: 2/22/2022

CLIENT: EOG	Client Sample ID: TH-15/2						
Project: Roy SWD 3	Collection Date: 2/14/2022 1:04:00 PM						
Lab ID: 2202833-014	Matrix: SOIL		Received Dat	e: 2/1	7/2022 8:00:00 AM		
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analys	: MRA	
Chloride	620	60	mg/Kg	20	2/17/2022 6:49:01 PM	65631	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	: SB	
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	2/17/2022 8:59:50 PM	65622	
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	2/17/2022 8:59:50 PM	65622	
Surr: DNOP	87.3	51.1-141	%Rec	1	2/17/2022 8:59:50 PM	65622	
EPA METHOD 8015D: GASOLINE RANG	E				Analys	RAA	
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/18/2022 2:16:00 PM	65612	
Surr: BFB	103	70-130	%Rec	1	2/18/2022 2:16:00 PM	65612	
EPA METHOD 8021B: VOLATILES					Analys	: RAA	
Benzene	ND	0.025	mg/Kg	1	2/18/2022 2:16:00 PM	65612	
Toluene	ND	0.050	mg/Kg	1	2/18/2022 2:16:00 PM	65612	
Ethylbenzene	ND	0.050	mg/Kg	1	2/18/2022 2:16:00 PM	65612	
Xylenes, Total	ND	0.099	mg/Kg	1	2/18/2022 2:16:00 PM	65612	
Surr: 4-Bromofluorobenzene	87.1	70-130	%Rec	1	2/18/2022 2:16:00 PM	65612	

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202833

Date Reported: 2/22/2022

CLIENT: EOG Project: Poy SWD 2			ient Sample II		I-16/0 4/2022 1:21:00 PM	
Project: Roy SWD 3 Lab ID: 2202833-015	Matrix: SOIL	,			7/2022 8:00:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	100	60	mg/Kg	20	2/17/2022 7:01:23 PM	65631
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	2/17/2022 9:10:23 PM	65622
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/17/2022 9:10:23 PM	65622
Surr: DNOP	81.0	51.1-141	%Rec	1	2/17/2022 9:10:23 PM	65622
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/18/2022 2:36:00 PM	65612
Surr: BFB	105	70-130	%Rec	1	2/18/2022 2:36:00 PM	65612
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Benzene	ND	0.024	mg/Kg	1	2/18/2022 2:36:00 PM	65612
Toluene	ND	0.049	mg/Kg	1	2/18/2022 2:36:00 PM	65612
Ethylbenzene	ND	0.049	mg/Kg	1	2/18/2022 2:36:00 PM	65612
Xylenes, Total	ND	0.097	mg/Kg	1	2/18/2022 2:36:00 PM	65612
Surr: 4-Bromofluorobenzene	93.9	70-130	%Rec	1	2/18/2022 2:36:00 PM	65612

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202833

Date Reported: 2/22/2022

CLIENT: EOG	Client Sample ID: TH-16/2						
Project: Roy SWD 3			Collection Dat	e: 2/1	4/2022 1:25:00 PM		
Lab ID: 2202833-016	Matrix: SOIL		Received Dat	e: 2/1	7/2022 8:00:00 AM		
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	MRA	
Chloride	ND	60	mg/Kg	20	2/17/2022 7:13:43 PM	65631	
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst	: SB	
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	2/17/2022 9:20:57 PM	65622	
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/17/2022 9:20:57 PM	65622	
Surr: DNOP	85.3	51.1-141	%Rec	1	2/17/2022 9:20:57 PM	65622	
EPA METHOD 8015D: GASOLINE RAN	GE				Analyst	RAA	
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/18/2022 2:56:00 PM	65612	
Surr: BFB	97.2	70-130	%Rec	1	2/18/2022 2:56:00 PM	65612	
EPA METHOD 8021B: VOLATILES					Analyst	: RAA	
Benzene	ND	0.024	mg/Kg	1	2/18/2022 2:56:00 PM	65612	
Toluene	ND	0.048	mg/Kg	1	2/18/2022 2:56:00 PM	65612	
Ethylbenzene	ND	0.048	mg/Kg	1	2/18/2022 2:56:00 PM	65612	
Xylenes, Total	ND	0.096	mg/Kg	1	2/18/2022 2:56:00 PM	65612	
Surr: 4-Bromofluorobenzene	86.9	70-130	%Rec	1	2/18/2022 2:56:00 PM	65612	

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202833

Date Reported: 2/22/2022

CLIENT: EOG	Client Sample ID: TH-17/0 Collection Date: 2/14/2022 1:44:00 PM					
Project: Roy SWD 3						
Lab ID: 2202833-017	Matrix: SOIL		Received Da	te: 2/1	17/2022 8:00:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: MRA
Chloride	610	60	mg/Kg	20	2/17/2022 7:26:04 PM	65631
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	t: SB
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	2/17/2022 9:31:30 PM	65622
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	2/17/2022 9:31:30 PM	65622
Surr: DNOP	88.8	51.1-141	%Rec	1	2/17/2022 9:31:30 PM	65622
EPA METHOD 8015D: GASOLINE RANGE	E				Analys	t: RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/18/2022 3:15:00 PM	65612
Surr: BFB	102	70-130	%Rec	1	2/18/2022 3:15:00 PM	65612
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.024	mg/Kg	1	2/18/2022 3:15:00 PM	65612
Toluene	ND	0.048	mg/Kg	1	2/18/2022 3:15:00 PM	65612
Ethylbenzene	ND	0.048	mg/Kg	1	2/18/2022 3:15:00 PM	65612
Xylenes, Total	ND	0.097	mg/Kg	1	2/18/2022 3:15:00 PM	65612
Surr: 4-Bromofluorobenzene	87.9	70-130	%Rec	1	2/18/2022 3:15:00 PM	65612

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202833

Date Reported: 2/22/2022

CLIENT: EOG	Client Sample ID: TH-17/2						
Project: Roy SWD 3	Collection Date: 2/14/2022 1:48:00 PM						
Lab ID: 2202833-018	Matrix: SOIL		Received Dat	e: 2/1	7/2022 8:00:00 AM		
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analys	: MRA	
Chloride	490	60	mg/Kg	20	2/17/2022 7:38:25 PM	65631	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	: SB	
Diesel Range Organics (DRO)	ND	9.0	mg/Kg	1	2/17/2022 9:42:03 PM	65622	
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	2/17/2022 9:42:03 PM	65622	
Surr: DNOP	87.6	51.1-141	%Rec	1	2/17/2022 9:42:03 PM	65622	
EPA METHOD 8015D: GASOLINE RANGE	E				Analys	RAA	
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	2/18/2022 3:35:00 PM	65612	
Surr: BFB	99.6	70-130	%Rec	1	2/18/2022 3:35:00 PM	65612	
EPA METHOD 8021B: VOLATILES					Analys	: RAA	
Benzene	ND	0.023	mg/Kg	1	2/18/2022 3:35:00 PM	65612	
Toluene	ND	0.047	mg/Kg	1	2/18/2022 3:35:00 PM	65612	
Ethylbenzene	ND	0.047	mg/Kg	1	2/18/2022 3:35:00 PM	65612	
Xylenes, Total	ND	0.093	mg/Kg	1	2/18/2022 3:35:00 PM	65612	
Surr: 4-Bromofluorobenzene	88.8	70-130	%Rec	1	2/18/2022 3:35:00 PM	65612	

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202833

Date Reported: 2/22/2022

CLIENT: EOG	Client Sample ID: TH-18/0							
Project: Roy SWD 3		(Collecti	on Dat	e: 2/14	4/2022 2:02:00 PM		
Lab ID: 2202833-019	Matrix: SOIL Received Date: 2/17/2022 8:00:00 //							
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS						Analyst	MRA	
Chloride	7600	300		mg/Kg	100	2/18/2022 2:53:03 PM	65631	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	: SB	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	2/17/2022 9:52:33 PM	65622	
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/17/2022 9:52:33 PM	65622	
Surr: DNOP	94.8	51.1-141		%Rec	1	2/17/2022 9:52:33 PM	65622	
EPA METHOD 8015D: GASOLINE RANGE	E					Analyst	RAA	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/18/2022 3:55:00 PM	65612	
Surr: BFB	98.5	70-130		%Rec	1	2/18/2022 3:55:00 PM	65612	
EPA METHOD 8021B: VOLATILES						Analyst	RAA	
Benzene	ND	0.023		mg/Kg	1	2/18/2022 3:55:00 PM	65612	
Toluene	ND	0.047		mg/Kg	1	2/18/2022 3:55:00 PM	65612	
Ethylbenzene	ND	0.047		mg/Kg	1	2/18/2022 3:55:00 PM	65612	
Xylenes, Total	ND	0.093		mg/Kg	1	2/18/2022 3:55:00 PM	65612	
Surr: 4-Bromofluorobenzene	88.7	70-130		%Rec	1	2/18/2022 3:55:00 PM	65612	

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

Qualifiers:

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

Lab Order 2202833

Date Reported: 2/22/2022

CLIENT: EOG	Client Sample ID: TH-18/3						
Project: Roy SWD 3	Collection Date: 2/14/2022 2:08:00 PM						
Lab ID: 2202833-020	Matrix: SOIL		Received Dat	e: 2/1	7/2022 8:00:00 AM		
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	MRA	
Chloride	920	60	mg/Kg	20	2/17/2022 8:27:49 PM	65631	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB	
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	2/17/2022 10:03:03 PM	65622	
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	2/17/2022 10:03:03 PM	65622	
Surr: DNOP	90.0	51.1-141	%Rec	1	2/17/2022 10:03:03 PM	65622	
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	RAA	
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	2/18/2022 4:14:00 PM	65612	
Surr: BFB	103	70-130	%Rec	1	2/18/2022 4:14:00 PM	65612	
EPA METHOD 8021B: VOLATILES					Analyst	: RAA	
Benzene	ND	0.023	mg/Kg	1	2/18/2022 4:14:00 PM	65612	
Toluene	ND	0.047	mg/Kg	1	2/18/2022 4:14:00 PM	65612	
Ethylbenzene	ND	0.047	mg/Kg	1	2/18/2022 4:14:00 PM	65612	
Xylenes, Total	ND	0.094	mg/Kg	1	2/18/2022 4:14:00 PM	65612	
Surr: 4-Bromofluorobenzene	91.2	70-130	%Rec	1	2/18/2022 4:14:00 PM	65612	

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202833

Date Reported: 2/22/2022

CLIENT: EOG	Client Sample ID: TH-19/4						
Project: Roy SWD 3	Collection Date: 2/14/2022 2:34:00 PM						
Lab ID: 2202833-021	Matrix: SOIL		Receiv	ed Dat	e: 2/1	7/2022 8:00:00 AM	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	MRA
Chloride	1600	60		mg/Kg	20	2/17/2022 8:40:09 PM	65631
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	2/17/2022 10:13:34 PM	65623
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/17/2022 10:13:34 PM	65623
Surr: DNOP	75.8	51.1-141		%Rec	1	2/17/2022 10:13:34 PM	65623
EPA METHOD 8015D: GASOLINE RANGE	E					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/18/2022 7:50:41 AM	65621
Surr: BFB	107	70-130		%Rec	1	2/18/2022 7:50:41 AM	65621
EPA METHOD 8021B: VOLATILES						Analyst	: NSB
Benzene	ND	0.025		mg/Kg	1	2/18/2022 7:50:41 AM	65621
Toluene	ND	0.050		mg/Kg	1	2/18/2022 7:50:41 AM	65621
Ethylbenzene	ND	0.050		mg/Kg	1	2/18/2022 7:50:41 AM	65621
Xylenes, Total	ND	0.099		mg/Kg	1	2/18/2022 7:50:41 AM	65621
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	2/18/2022 7:50:41 AM	65621

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202833

Date Reported: 2/22/2022

CLIENT: EOG		Cl	ient Sample II	D: TH	H-19/8			
Project: Roy SWD 3	Collection Date: 2/14/2022 3:20:00 PM							
Lab ID: 2202833-022	Matrix: SOIL		Received Dat	e: 2/2	17/2022 8:00:00 AM			
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analyst:	MRA		
Chloride	700	60	mg/Kg	20	2/17/2022 8:52:30 PM	65631		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst:	SB		
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	2/17/2022 10:24:05 PM	65623		
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/17/2022 10:24:05 PM	65623		
Surr: DNOP	85.3	51.1-141	%Rec	1	2/17/2022 10:24:05 PM	65623		
EPA METHOD 8015D: GASOLINE RANG	E				Analyst:	NSB		
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/18/2022 8:14:16 AM	65621		
Surr: BFB	104	70-130	%Rec	1	2/18/2022 8:14:16 AM	65621		
EPA METHOD 8021B: VOLATILES					Analyst:	NSB		
Benzene	ND	0.024	mg/Kg	1	2/18/2022 8:14:16 AM	65621		
Toluene	ND	0.048	mg/Kg	1	2/18/2022 8:14:16 AM	65621		
Ethylbenzene	ND	0.048	mg/Kg	1	2/18/2022 8:14:16 AM	65621		
Xylenes, Total	ND	0.095	mg/Kg	1	2/18/2022 8:14:16 AM	65621		
Surr: 4-Bromofluorobenzene	98.8	70-130	%Rec	1	2/18/2022 8:14:16 AM	65621		

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202833

Date Reported: 2/22/2022

CLIENT: EOG	Client Sample ID: TH-20/2							
Project: Roy SWD 3	Collection Date: 2/14/2022 3:40:00 PM							
Lab ID: 2202833-023	Matrix: SOIL		Received Dat	t e: 2/1	7/2022 8:00:00 AM			
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analyst	MRA		
Chloride	2000	60	mg/Kg	20	2/17/2022 9:04:50 PM	65631		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB		
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	2/17/2022 10:34:37 PM	65623		
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	2/17/2022 10:34:37 PM	65623		
Surr: DNOP	72.0	51.1-141	%Rec	1	2/17/2022 10:34:37 PM	65623		
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB		
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/18/2022 8:37:36 AM	65621		
Surr: BFB	108	70-130	%Rec	1	2/18/2022 8:37:36 AM	65621		
EPA METHOD 8021B: VOLATILES					Analyst	: NSB		
Benzene	ND	0.025	mg/Kg	1	2/18/2022 8:37:36 AM	65621		
Toluene	ND	0.050	mg/Kg	1	2/18/2022 8:37:36 AM	65621		
Ethylbenzene	ND	0.050	mg/Kg	1	2/18/2022 8:37:36 AM	65621		
Xylenes, Total	ND	0.10	mg/Kg	1	2/18/2022 8:37:36 AM	65621		
Surr: 4-Bromofluorobenzene	102	70-130	%Rec	1	2/18/2022 8:37:36 AM	65621		

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202833

Date Reported: 2/22/2022

CLIENT: EOG	Client Sample ID: TH-20/4 Collection Date: 2/14/2022 3:48:00 PM					
Project: Roy SWD 3						
Lab ID: 2202833-024	Matrix: SOIL		Received Dat	e: 2/1	7/2022 8:00:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	990	60	mg/Kg	20	2/17/2022 9:17:11 PM	65631
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	2/17/2022 10:45:11 PM	65623
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/17/2022 10:45:11 PM	65623
Surr: DNOP	84.3	51.1-141	%Rec	1	2/17/2022 10:45:11 PM	65623
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/18/2022 9:01:00 AM	65621
Surr: BFB	104	70-130	%Rec	1	2/18/2022 9:01:00 AM	65621
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	2/18/2022 9:01:00 AM	65621
Toluene	ND	0.050	mg/Kg	1	2/18/2022 9:01:00 AM	65621
Ethylbenzene	ND	0.050	mg/Kg	1	2/18/2022 9:01:00 AM	65621
Xylenes, Total	ND	0.10	mg/Kg	1	2/18/2022 9:01:00 AM	65621
Surr: 4-Bromofluorobenzene	100	70-130	%Rec	1	2/18/2022 9:01:00 AM	65621

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202833

Date Reported: 2/22/2022

CLIENT: EOG	Client Sample ID: TH-21/0							
Project: Roy SWD 3	Collection Date: 2/14/2022 3:54:00 PM							
Lab ID: 2202833-025	Matrix: SOIL		Received Dat	e: 2/1	17/2022 8:00:00 AM			
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analyst	MRA		
Chloride	2300	150	mg/Kg	50	2/18/2022 3:05:23 PM	65631		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB		
Diesel Range Organics (DRO)	10	9.9	mg/Kg	1	2/17/2022 10:55:43 PM	65623		
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/17/2022 10:55:43 PM	65623		
Surr: DNOP	95.5	51.1-141	%Rec	1	2/17/2022 10:55:43 PM	65623		
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	: NSB		
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	2/18/2022 9:24:24 AM	65621		
Surr: BFB	105	70-130	%Rec	1	2/18/2022 9:24:24 AM	65621		
EPA METHOD 8021B: VOLATILES					Analyst	: NSB		
Benzene	ND	0.023	mg/Kg	1	2/18/2022 9:24:24 AM	65621		
Toluene	ND	0.046	mg/Kg	1	2/18/2022 9:24:24 AM	65621		
Ethylbenzene	ND	0.046	mg/Kg	1	2/18/2022 9:24:24 AM	65621		
Xylenes, Total	ND	0.093	mg/Kg	1	2/18/2022 9:24:24 AM	65621		
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	1	2/18/2022 9:24:24 AM	65621		

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202833

Date Reported: 2/22/2022

CLIENT: EOG	Client Sample ID: TH-21/4 Collection Date: 2/14/2022 4:02:00 PM						
Project: Roy SWD 3							
Lab ID: 2202833-026	Matrix: SOIL		Received Dat	e: 2/1	7/2022 8:00:00 AM		
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	MRA	
Chloride	830	60	mg/Kg	20	2/17/2022 9:41:51 PM	65631	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: SB	
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	2/17/2022 11:06:17 PM	65623	
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/17/2022 11:06:17 PM	65623	
Surr: DNOP	85.2	51.1-141	%Rec	1	2/17/2022 11:06:17 PM	65623	
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	: NSB	
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/18/2022 9:47:46 AM	65621	
Surr: BFB	111	70-130	%Rec	1	2/18/2022 9:47:46 AM	65621	
EPA METHOD 8021B: VOLATILES					Analyst	: NSB	
Benzene	ND	0.025	mg/Kg	1	2/18/2022 9:47:46 AM	65621	
Toluene	ND	0.049	mg/Kg	1	2/18/2022 9:47:46 AM	65621	
Ethylbenzene	ND	0.049	mg/Kg	1	2/18/2022 9:47:46 AM	65621	
Xylenes, Total	ND	0.098	mg/Kg	1	2/18/2022 9:47:46 AM	65621	
Surr: 4-Bromofluorobenzene	103	70-130	%Rec	1	2/18/2022 9:47:46 AM	65621	

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202833

Date Reported: 2/22/2022

CLIENT: EOG	Client Sample ID: TH-22/3						
Project: Roy SWD 3		Collection Date: 2/15/2022 9:04:00 AM					
Lab ID: 2202833-027	Matrix: SOIL		Received Dat	e: 2/1	7/2022 8:00:00 AM		
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst:	MRA	
Chloride	4900	150	mg/Kg	50	2/18/2022 3:17:43 PM	65631	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst:	SB	
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	2/17/2022 11:16:54 PM	65623	
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/17/2022 11:16:54 PM	65623	
Surr: DNOP	88.4	51.1-141	%Rec	1	2/17/2022 11:16:54 PM	65623	
EPA METHOD 8015D: GASOLINE RANGE					Analyst:	NSB	
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	2/18/2022 10:11:08 AM	65621	
Surr: BFB	106	70-130	%Rec	1	2/18/2022 10:11:08 AM	65621	
EPA METHOD 8021B: VOLATILES					Analyst:	NSB	
Benzene	ND	0.024	mg/Kg	1	2/18/2022 10:11:08 AM	65621	
Toluene	ND	0.047	mg/Kg	1	2/18/2022 10:11:08 AM	65621	
Ethylbenzene	ND	0.047	mg/Kg	1	2/18/2022 10:11:08 AM	65621	
Xylenes, Total	ND	0.095	mg/Kg	1	2/18/2022 10:11:08 AM	65621	
Surr: 4-Bromofluorobenzene	102	70-130	%Rec	1	2/18/2022 10:11:08 AM	65621	

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202833

Date Reported: 2/22/2022

CLIENT: EOG		Cl	ient Sample II	D: TH	H-22/12			
Project: Roy SWD 3	Collection Date: 2/15/2022 9:55:00 AM							
Lab ID: 2202833-028	Matrix: SOIL		Received Dat	e: 2/1	17/2022 8:00:00 AM			
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analys	t: MRA		
Chloride	720	60	mg/Kg	20	2/17/2022 10:06:32 PM	1 65631		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	t: SB		
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	2/17/2022 11:27:30 PM	1 65623		
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/17/2022 11:27:30 PM	65623		
Surr: DNOP	84.8	51.1-141	%Rec	1	2/17/2022 11:27:30 PM	1 65623		
EPA METHOD 8015D: GASOLINE RANGE	E				Analys	t: NSB		
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/18/2022 10:34:36 AM	1 65621		
Surr: BFB	109	70-130	%Rec	1	2/18/2022 10:34:36 AM	1 65621		
EPA METHOD 8021B: VOLATILES					Analys	t: NSB		
Benzene	ND	0.025	mg/Kg	1	2/18/2022 10:34:36 AM	1 65621		
Toluene	ND	0.049	mg/Kg	1	2/18/2022 10:34:36 AM	1 65621		
Ethylbenzene	ND	0.049	mg/Kg	1	2/18/2022 10:34:36 AM	1 65621		
Xylenes, Total	ND	0.099	mg/Kg	1	2/18/2022 10:34:36 AM	1 65621		
Surr: 4-Bromofluorobenzene	102	70-130	%Rec	1	2/18/2022 10:34:36 AM	1 65621		

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202833

Date Reported: 2/22/2022

CLIENT: EOG		Cl	ient Sample II	D: TH	I-23/5			
Project: Roy SWD 3	Collection Date: 2/15/2022 10:31:00 AM							
Lab ID: 2202833-029	Matrix: SOIL		Received Dat	e: 2/1	7/2022 8:00:00 AM			
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analyst	MRA		
Chloride	4200	150	mg/Kg	50	2/18/2022 3:54:45 PM	65631		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: SB		
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	2/17/2022 11:38:07 PM	65623		
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	2/17/2022 11:38:07 PM	65623		
Surr: DNOP	85.0	51.1-141	%Rec	1	2/17/2022 11:38:07 PM	65623		
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB		
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/18/2022 10:58:10 AM	65621		
Surr: BFB	104	70-130	%Rec	1	2/18/2022 10:58:10 AM	65621		
EPA METHOD 8021B: VOLATILES					Analyst	: NSB		
Benzene	ND	0.024	mg/Kg	1	2/18/2022 10:58:10 AM	65621		
Toluene	ND	0.049	mg/Kg	1	2/18/2022 10:58:10 AM	65621		
Ethylbenzene	ND	0.049	mg/Kg	1	2/18/2022 10:58:10 AM	65621		
Xylenes, Total	ND	0.098	mg/Kg	1	2/18/2022 10:58:10 AM	65621		
Surr: 4-Bromofluorobenzene	99.9	70-130	%Rec	1	2/18/2022 10:58:10 AM	65621		

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202833

Date Reported: 2/22/2022

CLIENT: EOG	Client Sample ID: TH-23/10						
Project: Roy SWD 3	Collection Date: 2/15/2022 11:01:00 AM						
Lab ID: 2202833-030	Matrix: SOIL		Received D	ate: 2/	17/2022 8:00:00 AM		
Analyses	Result	RL	Qual Unit	s DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	MRA	
Chloride	620	60	mg/k	g 20	2/17/2022 10:55:55 PM	65631	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB	
Diesel Range Organics (DRO)	ND	10	mg/K	g 1	2/17/2022 11:48:47 PM	65623	
Motor Oil Range Organics (MRO)	ND	50	mg/K	g 1	2/17/2022 11:48:47 PM	65623	
Surr: DNOP	89.9	51.1-141	%Re	c 1	2/17/2022 11:48:47 PM	65623	
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB	
Gasoline Range Organics (GRO)	ND	4.9	mg/K	g 1	2/18/2022 11:21:41 AM	65621	
Surr: BFB	110	70-130	%Re	c 1	2/18/2022 11:21:41 AM	65621	
EPA METHOD 8021B: VOLATILES					Analyst	: NSB	
Benzene	ND	0.025	mg/K	g 1	2/18/2022 11:21:41 AM	65621	
Toluene	ND	0.049	mg/K	g 1	2/18/2022 11:21:41 AM	65621	
Ethylbenzene	ND	0.049	mg/K	g 1	2/18/2022 11:21:41 AM	65621	
Xylenes, Total	ND	0.098	mg/k	g 1	2/18/2022 11:21:41 AM	65621	
Surr: 4-Bromofluorobenzene	105	70-130	%Re	c 1	2/18/2022 11:21:41 AM	65621	

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202833

Date Reported: 2/22/2022

CLIENT: EOG	Client Sample ID: TH-24/1							
Project: Roy SWD 3	Collection Date: 2/15/2022 11:15:00 AM							
Lab ID: 2202833-031	Matrix: SOIL		Received Dat	e: 2/1	17/2022 8:00:00 AM			
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analyst	MRA		
Chloride	ND	60	mg/Kg	20	2/18/2022 12:42:07 AM	65636		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB		
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	2/17/2022 11:59:27 PM	65623		
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/17/2022 11:59:27 PM	65623		
Surr: DNOP	88.4	51.1-141	%Rec	1	2/17/2022 11:59:27 PM	65623		
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB		
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/18/2022 12:08:53 PM	65621		
Surr: BFB	109	70-130	%Rec	1	2/18/2022 12:08:53 PM	65621		
EPA METHOD 8021B: VOLATILES					Analyst	NSB		
Benzene	ND	0.024	mg/Kg	1	2/18/2022 12:08:53 PM	65621		
Toluene	ND	0.048	mg/Kg	1	2/18/2022 12:08:53 PM	65621		
Ethylbenzene	ND	0.048	mg/Kg	1	2/18/2022 12:08:53 PM	65621		
Xylenes, Total	ND	0.095	mg/Kg	1	2/18/2022 12:08:53 PM	65621		
Surr: 4-Bromofluorobenzene	103	70-130	%Rec	1	2/18/2022 12:08:53 PM	65621		

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202833

Date Reported: 2/22/2022

CLIENT: EOG	Client Sample ID: TH-24/4						
Project: Roy SWD 3	Collection Date: 2/15/2022 11:24:00 AM						
Lab ID: 2202833-032	Matrix: SOIL		Received Dat	e: 2/1	17/2022 8:00:00 AM		
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	MRA	
Chloride	320	60	mg/Kg	20	2/18/2022 1:44:09 AM	65636	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB	
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	2/18/2022 12:10:10 AM	65623	
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	2/18/2022 12:10:10 AM	65623	
Surr: DNOP	90.4	51.1-141	%Rec	1	2/18/2022 12:10:10 AM	65623	
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	: NSB	
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/18/2022 12:32:32 PM	65621	
Surr: BFB	110	70-130	%Rec	1	2/18/2022 12:32:32 PM	65621	
EPA METHOD 8021B: VOLATILES					Analyst	: NSB	
Benzene	ND	0.024	mg/Kg	1	2/18/2022 12:32:32 PM	65621	
Toluene	ND	0.048	mg/Kg	1	2/18/2022 12:32:32 PM	65621	
Ethylbenzene	ND	0.048	mg/Kg	1	2/18/2022 12:32:32 PM	65621	
Xylenes, Total	ND	0.096	mg/Kg	1	2/18/2022 12:32:32 PM	65621	
Surr: 4-Bromofluorobenzene	103	70-130	%Rec	1	2/18/2022 12:32:32 PM	65621	

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202833

Date Reported: 2/22/2022

CLIENT: EOG	Client Sample ID: TH-26/5							
Project: Roy SWD 3		(Collection Dat	e: 2/1	15/2022 12:55:00 PM			
Lab ID: 2202833-033	Matrix: SOIL	Received Date: 2/17/2022 8:00:00 AM						
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analyst	MRA		
Chloride	1300	60	mg/Kg	20	2/18/2022 1:56:34 AM	65636		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB		
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	2/18/2022 12:21:01 AM	65623		
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	2/18/2022 12:21:01 AM	65623		
Surr: DNOP	88.7	51.1-141	%Rec	1	2/18/2022 12:21:01 AM	65623		
EPA METHOD 8015D: GASOLINE RANGE	1				Analyst	: NSB		
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	2/18/2022 12:56:20 PM	65621		
Surr: BFB	107	70-130	%Rec	1	2/18/2022 12:56:20 PM	65621		
EPA METHOD 8021B: VOLATILES					Analyst	NSB		
Benzene	ND	0.023	mg/Kg	1	2/18/2022 12:56:20 PM	65621		
Toluene	ND	0.047	mg/Kg	1	2/18/2022 12:56:20 PM	65621		
Ethylbenzene	ND	0.047	mg/Kg	1	2/18/2022 12:56:20 PM	65621		
Xylenes, Total	ND	0.094	mg/Kg	1	2/18/2022 12:56:20 PM	65621		
Surr: 4-Bromofluorobenzene	102	70-130	%Rec	1	2/18/2022 12:56:20 PM	65621		

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202833

Date Reported: 2/22/2022

CLIENT: EOG	Client Sample ID: TH-26/8								
Project: Roy SWD 3	Collection Date: 2/15/2022 1:07:00 PM								
Lab ID: 2202833-034	Matrix: SOIL	7/2022 8:00:00 AM							
Analyses	Result	RL	Qual U	Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS						Analyst	MRA		
Chloride	620	60	r	mg/Kg	20	2/18/2022 2:08:58 AM	65636		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	SB		
Diesel Range Organics (DRO)	ND	9.7	r	mg/Kg	1	2/18/2022 12:31:53 AM	65623		
Motor Oil Range Organics (MRO)	ND	49	r	mg/Kg	1	2/18/2022 12:31:53 AM	65623		
Surr: DNOP	84.8	51.1-141	ç	%Rec	1	2/18/2022 12:31:53 AM	65623		
EPA METHOD 8015D: GASOLINE RANGE	E					Analyst	NSB		
Gasoline Range Organics (GRO)	ND	4.8	r	mg/Kg	1	2/18/2022 1:19:57 PM	65621		
Surr: BFB	107	70-130	c	%Rec	1	2/18/2022 1:19:57 PM	65621		
EPA METHOD 8021B: VOLATILES						Analyst	NSB		
Benzene	ND	0.024	r	mg/Kg	1	2/18/2022 1:19:57 PM	65621		
Toluene	ND	0.048	r	mg/Kg	1	2/18/2022 1:19:57 PM	65621		
Ethylbenzene	ND	0.048	r	mg/Kg	1	2/18/2022 1:19:57 PM	65621		
Xylenes, Total	ND	0.096	r	mg/Kg	1	2/18/2022 1:19:57 PM	65621		
Surr: 4-Bromofluorobenzene	102	70-130	C	%Rec	1	2/18/2022 1:19:57 PM	65621		

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202833

Date Reported: 2/22/2022

CLIENT: EOG	Client Sample ID: TH-27/1								
Project: Roy SWD 3	Collection Date: 2/15/2022 1:32:00 AM								
Lab ID: 2202833-035	Matrix: SOIL	Received Date: 2/17/2022 8:00:00 AM							
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analyst	MRA			
Chloride	ND	60	mg/Kg	20	2/18/2022 2:21:22 AM	65636			
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: SB			
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	2/18/2022 12:42:45 AN	65623			
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/18/2022 12:42:45 AN	65623			
Surr: DNOP	79.8	51.1-141	%Rec	1	2/18/2022 12:42:45 AM	65623			
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	: NSB			
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/18/2022 1:43:41 PM	65621			
Surr: BFB	112	70-130	%Rec	1	2/18/2022 1:43:41 PM	65621			
EPA METHOD 8021B: VOLATILES					Analyst	: NSB			
Benzene	ND	0.025	mg/Kg	1	2/18/2022 1:43:41 PM	65621			
Toluene	ND	0.049	mg/Kg	1	2/18/2022 1:43:41 PM	65621			
Ethylbenzene	ND	0.049	mg/Kg	1	2/18/2022 1:43:41 PM	65621			
Xylenes, Total	ND	0.099	mg/Kg	1	2/18/2022 1:43:41 PM	65621			
Surr: 4-Bromofluorobenzene	105	70-130	%Rec	1	2/18/2022 1:43:41 PM	65621			

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202833

Date Reported: 2/22/2022

CLIENT: EOG	Client Sample ID: TH-27/4								
Project: Roy SWD 3	Collection Date: 2/15/2022 1:38:00 PM								
Lab ID: 2202833-036	Matrix: SOIL	Received Date: 2/17/2022 8:00:00 AM							
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analys	t: MRA			
Chloride	ND	59	mg/Kg	20	2/18/2022 2:33:47 AM	65636			
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	t: SB			
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	2/18/2022 12:53:34 AM	65623			
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/18/2022 12:53:34 AN	65623			
Surr: DNOP	78.1	51.1-141	%Rec	1	2/18/2022 12:53:34 AM	65623			
EPA METHOD 8015D: GASOLINE RANGE	E				Analys	t: NSB			
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/18/2022 2:07:25 PM	65621			
Surr: BFB	112	70-130	%Rec	1	2/18/2022 2:07:25 PM	65621			
EPA METHOD 8021B: VOLATILES					Analys	t: NSB			
Benzene	ND	0.025	mg/Kg	1	2/18/2022 2:07:25 PM	65621			
Toluene	ND	0.049	mg/Kg	1	2/18/2022 2:07:25 PM	65621			
Ethylbenzene	ND	0.049	mg/Kg	1	2/18/2022 2:07:25 PM	65621			
Xylenes, Total	ND	0.099	mg/Kg	1	2/18/2022 2:07:25 PM	65621			
Surr: 4-Bromofluorobenzene	104	70-130	%Rec	1	2/18/2022 2:07:25 PM	65621			

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202833

Date Reported: 2/22/2022

CLIENT: EOG	Client Sample ID: TH-28/1								
Project: Roy SWD 3	Collection Date: 2/15/2022 1:53:00 PM								
Lab ID: 2202833-037	Matrix: SOIL		Received Dat	t e: 2/1	17/2022 8:00:00 AM				
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analyst	MRA			
Chloride	ND	60	mg/Kg	20	2/18/2022 2:46:11 AM	65636			
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: SB			
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	2/18/2022 1:04:22 AM	65623			
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	2/18/2022 1:04:22 AM	65623			
Surr: DNOP	79.4	51.1-141	%Rec	1	2/18/2022 1:04:22 AM	65623			
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	: NSB			
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/18/2022 2:31:09 PM	65621			
Surr: BFB	108	70-130	%Rec	1	2/18/2022 2:31:09 PM	65621			
EPA METHOD 8021B: VOLATILES					Analyst	: NSB			
Benzene	ND	0.024	mg/Kg	1	2/18/2022 2:31:09 PM	65621			
Toluene	ND	0.048	mg/Kg	1	2/18/2022 2:31:09 PM	65621			
Ethylbenzene	ND	0.048	mg/Kg	1	2/18/2022 2:31:09 PM	65621			
Xylenes, Total	ND	0.097	mg/Kg	1	2/18/2022 2:31:09 PM	65621			
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	1	2/18/2022 2:31:09 PM	65621			

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202833

Date Reported: 2/22/2022

CLIENT: EOG	Client Sample ID: TH-28/4								
Project: Roy SWD 3	Collection Date: 2/15/2022 1:59:00 PM								
Lab ID: 2202833-038	Matrix: SOIL		17/2022 8:00:00 AM						
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analyst	MRA			
Chloride	ND	60	mg/Kg	20	2/18/2022 2:58:36 AM	65636			
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: SB			
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	2/18/2022 1:15:05 AM	65623			
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/18/2022 1:15:05 AM	65623			
Surr: DNOP	84.4	51.1-141	%Rec	1	2/18/2022 1:15:05 AM	65623			
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	: NSB			
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/18/2022 2:54:55 PM	65621			
Surr: BFB	110	70-130	%Rec	1	2/18/2022 2:54:55 PM	65621			
EPA METHOD 8021B: VOLATILES					Analyst	: NSB			
Benzene	ND	0.024	mg/Kg	1	2/18/2022 2:54:55 PM	65621			
Toluene	ND	0.048	mg/Kg	1	2/18/2022 2:54:55 PM	65621			
Ethylbenzene	ND	0.048	mg/Kg	1	2/18/2022 2:54:55 PM	65621			
Xylenes, Total	ND	0.097	mg/Kg	1	2/18/2022 2:54:55 PM	65621			
Surr: 4-Bromofluorobenzene	103	70-130	%Rec	1	2/18/2022 2:54:55 PM	65621			

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

Qualifiers:

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

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14

1.5

15.00

W Hall Environmental Analysis Laboratory, Inc.									
Client: Project:	EOG Roy SW	D 3							
Sample ID: MI	B-65625	SampType: mblk	TestCode: EPA Method 300.0: Anions						
Client ID: PE	BS	Batch ID: 65625	RunNo: 85918						
Prep Date: 2	2/17/2022	Analysis Date: 2/17/2022	SeqNo: 3025738 Units: mg/Kg						
Analyte			e SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual						
Chloride		ND 1.5							
Sample ID: LC	CS-65625	SampType: Ics	TestCode: EPA Method 300.0: Anions						
Client ID: LC	SS	Batch ID: 65625	RunNo: 85918						
Prep Date: 2	2/17/2022	Analysis Date: 2/17/2022	SeqNo: 3025739 Units: mg/Kg						
Analyte		Result PQL SPK valu	e SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual						

Sample ID: MB-65636	SampType	SampType: mblk		TestCode: EPA Method 300.0: Anions					
Client ID: PBS	Batch ID	65636	RunNo: 85918						
Prep Date: 2/17/2022	Analysis Date	S	SeqNo: 3025768			Units: mg/Kg			
Analyte	Result P	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5							
Sample ID: LCS-65636	SampType	: Ics	Tes	tCode: El	PA Method	300.0: Anion	S		
Sample ID: LCS-65636 Client ID: LCSS	SampType Batch ID			tCode: El		300.0: Anion	S		
• • • • • • • • • • • • • • • • • • • •		65636	F		5918	300.0: Anion Units: mg/K	-		
Client ID: LCSS	Batch ID Analysis Date	: 65636 : 2/18/2022	F	RunNo: 8	5918		-	RPDLimit	Qual

0

92.8

90

110

Sample ID: MB-65631	SampType: mblk	TestCode: EPA Method		
Client ID: PBS	Batch ID: 65631	RunNo: 85919		
Prep Date: 2/17/2022	Analysis Date: 2/17/2022	SeqNo: 3025828	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	ND 1.5			
Sample ID: LCS-65631	SampType: Ics	TestCode: EPA Method	300.0: Anions	
Sample ID: LCS-65631 Client ID: LCSS	SampType: Ics Batch ID: 65631	TestCode: EPA Method RunNo: 85919	300.0: Anions	
•			300.0: Anions Units: mg/Kg	
Client ID: LCSS	Batch ID: 65631 Analysis Date: 2/17/2022	RunNo: 85919		RPDLimit Qual

Chloride

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

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QC SUMMART REFORT	WO#:	2202833
Hall Environmental Analysis Laboratory, Inc.		22-Feb-22

Client: Project:	EOG Roy SW	03									
Sample ID: MI	,		ype: mt	olk	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID: PE	BS	Batch	n ID: 65	D: 65636 RunNo: 85950							
Prep Date: 2	2/17/2022	Analysis D	0ate: 2/	18/2022	5	SeqNo: 30	027284	Units: mg/Kg			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID: LC	CS-65636	SampT	ype: Ics	5	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID: LC	css	Batch	n ID: 65	636	F	RunNo: 8	5950				
Prep Date: 2	2/17/2022	Analysis Date: 2/18/2022			SeqNo: 3027285			Units: mg/Kg			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	90.7	90	110			

Qualifiers:

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

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EOG

Roy SWD 3

Client:

Project:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

				_							
Sample ID: LCS-65622		ype: LC					8015M/D: Di	esel Range	e Organics		
Client ID: LCSS	Batch	n ID: 65	622	F	RunNo: 8	5916					
Prep Date: 2/17/2022	Analysis D)ate: 2/	17/2022	S	SeqNo: 3	025515	Units: mg/H	Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	45	10	50.00	0	89.9	68.9	135				
Surr: DNOP	3.4		5.000		67.3	51.1	141				
Sample ID: LCS-65623	SampT	ype: LC	s	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics		
Client ID: LCSS	Batch	n ID: 65	623	F	RunNo: 8	5916					
Prep Date: 2/17/2022	Analysis D)ate: 2/	17/2022	5	SeqNo: 3	025516	Units: mg/k	٢g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	46	10	50.00	0	92.7	68.9	135				
Surr: DNOP	3.4		5.000		68.9	51.1	141				
Sample ID: MB-65622	SampT	ype: ME	BLK	TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch	n ID: 65	622	F	RunNo: 8	5916					
Prep Date: 2/17/2022	Analysis D)ate: 2/	17/2022	S	SeqNo: 3	025520	Units: mg/k	٢g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	ND	10									
Motor Oil Range Organics (MRO)	ND	50									
Surr: DNOP	7.6		10.00		76.2	51.1	141				
Sample ID: MB-65623	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics		
Client ID: PBS	Batch	n ID: 65	623	F	RunNo: 8	5916					
Prep Date: 2/17/2022	Analysis D)ate: 2/	17/2022	S	SeqNo: 3	025521	Units: mg/k	٤g			
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									

Qualifiers:

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

ND Not Detected at the Reporting Limit

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

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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WO#: 2202833 22-Feb-22

QC SUMMARY REPORT Hall Env

	WO#:	2202833
vironmental Analysis Laboratory, Inc.		22-Feb-22

Client: EOG									
Project: Roy SW	'D 3								
Sample ID: mb-65612	SampType: ME	BLK	Test	Code: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID: PBS	Batch ID: 65	612	R	unNo: 8	5923				
Prep Date: 2/17/2022	Analysis Date: 2/	18/2022	S	eqNo: 30	025950	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO) Surr: BFB	ND 5.0 940	1000		94.4	70	130			
Sample ID: Ics-65612	SampType: LC	S	Test	Code: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID: LCSS	Batch ID: 65	612	R	unNo: 8	5923				
Prep Date: 2/17/2022	Analysis Date: 2/	18/2022	S	eqNo: 30	026800	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27 5.0	25.00	0	107	78.6	131			
Surr: BFB	1100	1000		114	70	130			
Sample ID: mb-65621	SampType: ME	BLK	Test	Code: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID: PBS	Batch ID: 65	621	R	unNo: 8	5929				
Prep Date: 2/17/2022	Analysis Date: 2/	18/2022	S	eqNo: 30	026873	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND 5.0								
Surr: BFB	1100	1000		107	70	130			
Sample ID: Ics-65621	SampType: LC	S	Test	Code: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID: LCSS	Batch ID: 650	621	R	unNo: 8	5929				
Prep Date: 2/17/2022	Analysis Date: 2/	18/2022	S	eqNo: 30	026874	Units: mg/K	g		
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		121	70	130			

Qualifiers:

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

·	MMARY REPORT	WO#:	2202833
Hall Env	rironmental Analysis Laboratory, Inc.		22-Feb-22
Client:	EOG		

Dustant. D. Cl										
Project: Roy SV	wD 3									
Sample ID: mb-65612	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: PBS	Batch	n ID: 65	612	F	RunNo: 8	5923				
Prep Date: 2/17/2022	Analysis D	Date: 2/	18/2022	S	SeqNo: 3	025956	Units: mg/k	٤g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.83		1.000		83.3	70	130			
Sample ID: Ics-65612	SampT	ype: LC	S	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Batch	n ID: 65	612	F	RunNo: 8	5923				
Prep Date: 2/17/2022	Analysis D	Date: 2/	18/2022	5	SeqNo: 3	026829	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	1.000	0	96.4	80	120			
Toluene	0.99	0.050	1.000	0	98.6	80	120			
Ethylbenzene	0.99	0.050	1.000	0	98.9	80	120			
Kylenes, Total	3.0	0.10	3.000	0	98.4	80	120			
Surr: 4-Bromofluorobenzene	0.87		1.000		86.8	70	130			
Sample ID: mb-65621	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: PBS	Batch	n ID: 65	621	F	RunNo: 8	5929				
Prep Date: 2/17/2022	Analysis D	Date: 2/	18/2022	S	SeqNo: 3	026927	Units: mg/h	ζg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		101	70	130			
Sample ID: LCS-65621	SampT	ype: LC	S	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Batch	n ID: 65	621	F	RunNo: 8	5929				
Prep Date: 2/17/2022	Analysis D	Date: 2/	18/2022	S	SeqNo: 3	026928	Units: mg/k	ζg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.025	1.000	0	88.8	80	120			
Toluene	0.94	0.050	1.000	0	93.8	80	120			
Ethylbenzene	0.96	0.050	1.000	0	95.6	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.2	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		104	70	130			

Qualifiers:

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

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Released to Imaging: 9/13/2022 3:05:29 PM

HALL HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environme TEL: 505-345-, Website: clien	49 Albuquer 3975 FAX	1 Hawkin ue, NM 8 505-345-	ns NE 7109 Sa 4107	ample Log-In	Page 27
Client Name: EOG	Work Order Num	nber: 220	2833		Rcpth	No: 1
Received By: Cheyenne Cason 2/	/17/2022 8:00:00	АМ		chal		
Completed By: Cheyenne Cason 2/ Reviewed By: 2-17-23	17/2022 4:06:52	РМ		Chul Chul		
Chain of Custody						
1. Is Chain of Custody complete?		Yes	~	No	Not Present	1
2. How was the sample delivered?		Cou				1
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 pre	eserved?	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 🔽	# of preserved	/
11. Does paperwork match bottle labels?		Yes	Z	No 🗌	bottles checked for pH:	
(Note discrepancies on chain of custody) 12. Are matrices correctly identified on Chain of Custo			7			12 unless noted)
13. Is it clear what analyses were requested?	ody?	Yes		No 🗌	Adjusted?	
14. Were all holding times able to be met?		Yes		No 🗌	Charlingth	lala
(If no, notify customer for authorization.)		Yes	2	No 🗌	Checked by:	Sou 2/17/22
Special Handling (if applicable)						
15. Was client notified of all discrepancies with this o	rder?	Yes		No 🗌	NA 🗹	
Person Notified:	Date:	-		_		
By Whom:	Via:	🗌 eMa	🗌 Ph	one 🗌 Fax	In Person	
Regarding:						
Client Instructions:						
16. Additional remarks:						
17. <u>Cooler Information</u> Cooler No Temp ^o C Condition Seal Int 1 1.2 Good Not Pres		Seal Da	e S	Signed By		

Page 1 of 1

0	Chain	D-Jo-I	Chain-of-Custody Record	Turn-Around	Time:	11: June h2			
Client:	EOG-Ar	rtesia / Ré	Client: EOG-Artesia / Ranger Env.	□ Standard	K Rush	S-duy Tity		HALL ENVIRONMENTAL	
				Project Name:					
Mailing	Address:	E0G - 10	Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210	Reys	Rey Swo #3	ć	4901 Hs	www.nailenvironmentai.com 4901 Hawkins NF - Alburinieraria NM 87100	, 001
Ranger	: PO Box	201179,	Ranger: PO Box 201179, Austin TX 78720	Project #: 53	75		Tel. 50!		J: 3/.
Phone	#: 521-3	Phone #: 521-335-1785						Inal	
email o	or Fax#:	Will@Rai	email or Fax#: Will@RangerEnv.com	Project Mana	Project Manager: W. Kierdorf	dorf	(
QA/QC	QA/QC Package:						้อยเ		4.00
Standard	ndard		Level 4 (Full Validation)				N/C		.17
Accreditation	Accreditation:	D AZ C	Az Compliance Other	Sampler: U	/Lews	hy			IM
	AC			On Ice:	A Yes	No	_		
	EUU (I ype).	Excel		# of Coolers: 2 1.2 -	2 12-1	021.2	9) (GB		
				Cooler 1 emp	(including CF): 4	8-0=4.8	190		
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	3) ХЭТВ 08:Н97 Ов:Н97		
2/14/22	6377	Soil	1/6-11	1x 402 rd	the	12.7	X		
1	6060	1	H-H-d/d	-	1	002	(4 1		
	05729		TH -10/0		_	603			
	2937		74-1014			POR			
	1023		ン/11-ガエ			(\$15)	3		
	1035		TH-11/2			art.			
	00/		TH-12/6			100			
	2011		TH-12/4			608			
	1/24	_	T4-0310			bad			
	1135	-	74-13/4			010			
	1250		74-1410		1	011			
J	1254	_	てしたけし	7	2	012	777		
Date:	Time:	Relinquished by:	hed by:	Received by:	Via:	Date Time	Remarks: Bill t	Remarks: Bill to EOG Artesia	Γ
2/16/22	122-00-22	1, C) A	hand	UMANIA	and .	22			
chieles.	ho)	APALLLL		Received by:	VIA: V	Date lime			age 27
	If necessary	v, samples su	ubmitted to Hall Environmental may be sub	ocontracted to other a	ccredited laborator	ies. This serves as notice of th	is possibility. Any sul	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 reported of the serves as notice of this possibility.	70,3
									• 2

Chain-ot-Custody Record	11: vol ha	
Client: EOG-Artesia / Ranger Env.	Destandard Rush 5 - 24-7 FM	HALL ENVIRONMENTAL
Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210	Rey Sup #3	
Ranger: PO Box 201179, Austin TX 78720	5	Tel 505-345-3975 Fax 505-345-4107
Phone #: 521-335-1785		Analysis
email or Fax#: Will@RangerEnv.com	Project Manager: W. Kierdorf	
QA/QC Package:		(оъ
Standard Level 4 (Full Validation)		W / C
Accreditation:	Sampler: W. Kennery	
(pe) Excel	Z 1 7 -	OA
	(including CF): C	5)DS
Date Time Matrix Sample Name	Container Preservative HEAL No. Type and # Type	8) X∃T8 r08:H91 ebinolnC
2/14/20 Boil 7th-15/0	1 × 48275 ILa 013	2
1 Dod 1 717-15/2	5	
1321 74-16/0	015	
1325 74 -16/3-	016	
1344 1 +44-17/0	219	
1398 71+- 17/2	018	
1462 144 810	610	
1468 T14 - 13/3	C126	
1434 74 -19/4	021	
16-20 714 -1918	622	
540 TH+ 20/2	623	
- 1548 + + + + + - 20/4	1	
Relinquished by:	Received by: Via: Date Time	Remarks: Bill to EOG Artesia
Date: Time: Relinquished by:	Received by: Via: Date Time	
and and aller and a	The cour 2/11/20 0500	WULLING The cow 2/11/20 0800

Released to Imaging: 9/13/2022 3:05:29 PM

Client: EOG-Artesia / Ranger Env.	Turn-Around Time: 24 hav ! 1. !	
	Project Name:	ANALYSIS LABORATORY
Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210	Por Swin #3	www.hallenvironmental.com
Ranger: PO Box 201179, Austin TX 78720	5375	hpudu
Phone #: 521-335-1785		Anal
email or Fax#: Will@RangerEnv.com	Project Manager: W. Kierdorf	
QA/QC Package:		(08
Standard		W / C
Accreditation:	Sampler: W. Keinwerdy	
(be)	olers: 7 - 1 - 7 - 0	OR
	(including CF): 4	5D(G
Date Time Matrix Sample Name	Container Preservative HEAL No. Type and # Type	3) X∃T8 r08:H9 ebinolr(;
	à	ıχ
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1		-
2/15/20594 74-22/3	027	
1 cass 74-22/C2	0.26	
1031 TH 23/5	029	
101 74-23100	030	
1113 14-31/1	031	
h/hc-+1 hc/	032	
1253 TH-26/5	033	
1367 114-2618	C34	
1332 14-24/1	035	
- 1338 ~ + + 1-27/4	036	
Date: Time: Kelinquished by:	Received by: Via: Date Time	Remarks: Bill to EOG Artesia
Relinquished by:		
WW221900 CULU	Che Coum 2/17/20 OGO	1900 UNUM Due cour 2/17/20 0000

Released to Imaging: 9/13/2022 3:05:29 PM

HALL ENVIRONMENTAL	ANALYSIS LABORATORY	4901 Hawkins NF - Alburniaronia NM 87100	Tel 505-345-3975 Eav 505-345-4107	Inal																		Remarks: Bill to EOG Artesia		
		4901	Tel		-	(02	IW /			SGR)DSI	3) X31 98:H9 9binolr	11	2 P P	t Tr							marks: B		
Turn-Around Time: 24 hour!!!		Koy Sup #3	Project #: 5375		Project Manager: W. Kierdorf			r. UI Kenn	ka res 🗆 No	# of Coolers: 2 1.2 -07/2	Cooler Temp(including CF): 4, 8-0 = 4.8	Container Preservative HEAL No.	700 2202833	1×42rd Lie Dr 037	1 + 035	7						C A I A A A C C RCA	+	140 Whar a Conta conta Unite
Chain-of-Custody Record Client: EOG-Artesia / Ranger Env.		Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210	Ranger: PO Box 201179, Austin TX 78720	Phone #: 521-335-1785	email or Fax#: Will@RangerEnv.com	QA/QC Package:	Standard Level 4 (Full Validation)	Accreditation:	EDD (Tuna)			Date Time Matrix Sample Name	0	415/4135 32 34 74-28/1	+ 354 J TH-28/ J						Date: Time: Belinniished hv:	CASO TE	Time: Reli	CVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVV



March 08, 2022

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

OrderNo.: 2202C13

RE: Roy SWD 3

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 18 sample(s) on 2/25/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202C13

Date Reported: 3/8/2022

CLIENT: EOG		Cl	ient Sample II	D: ES	5-1/0'	
Project: Roy SWD 3		(Collection Dat	e: 2/2	22/2022 12:28:00 PM	
Lab ID: 2202C13-001	Matrix: SOIL		Received Dat	e: 2/2	25/2022 8:00:00 AM	
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: LRN
Chloride	210	60	mg/Kg	20	3/3/2022 2:12:37 PM	65922
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	t: SB
Diesel Range Organics (DRO)	40	9.3	mg/Kg	1	3/1/2022 6:57:13 PM	65838
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	3/1/2022 6:57:13 PM	65838
Surr: DNOP	104	51.1-141	%Rec	1	3/1/2022 6:57:13 PM	65838
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	24	mg/Kg	5	3/1/2022 3:48:00 AM	65812
Surr: BFB	102	70-130	%Rec	5	3/1/2022 3:48:00 AM	65812
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.12	mg/Kg	5	3/1/2022 3:48:00 AM	65812
Toluene	ND	0.24	mg/Kg	5	3/1/2022 3:48:00 AM	65812
Ethylbenzene	ND	0.24	mg/Kg	5	3/1/2022 3:48:00 AM	65812
Xylenes, Total	ND	0.48	mg/Kg	5	3/1/2022 3:48:00 AM	65812
Surr: 4-Bromofluorobenzene	90.0	70-130	%Rec	5	3/1/2022 3:48:00 AM	65812

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

Qualifiers:

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

Page 1 of 23

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202C13

Date Reported: 3/8/2022

CLIENT: EOG		Cl	ient Sample II	D: ES	5-1/1'	
Project: Roy SWD 3		(Collection Dat	e: 2/2	22/2022 12:34:00 PM	
Lab ID: 2202C13-002	Matrix: SOIL		Received Dat	e: 2/2	25/2022 8:00:00 AM	
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: LRN
Chloride	ND	60	mg/Kg	20	3/3/2022 2:49:51 PM	65922
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	t: SB
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	3/1/2022 7:08:05 PM	65838
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	3/1/2022 7:08:05 PM	65838
Surr: DNOP	78.5	51.1-141	%Rec	1	3/1/2022 7:08:05 PM	65838
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	24	mg/Kg	5	3/1/2022 4:27:00 AM	65812
Surr: BFB	101	70-130	%Rec	5	3/1/2022 4:27:00 AM	65812
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.12	mg/Kg	5	3/1/2022 4:27:00 AM	65812
Toluene	ND	0.24	mg/Kg	5	3/1/2022 4:27:00 AM	65812
Ethylbenzene	ND	0.24	mg/Kg	5	3/1/2022 4:27:00 AM	65812
Xylenes, Total	ND	0.48	mg/Kg	5	3/1/2022 4:27:00 AM	65812
Surr: 4-Bromofluorobenzene	90.5	70-130	%Rec	5	3/1/2022 4:27:00 AM	65812

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

Qualifiers:

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

Page 2 of 23

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202C13

Date Reported: 3/8/2022

CLIENT: EOG		Cl	ient Sample II	D: ES	5-2/0'	
Project: Roy SWD 3		(Collection Dat	e: 2/2	22/2022 12:36:00 PM	
Lab ID: 2202C13-003	Matrix: SOIL		Received Dat	e: 2/2	25/2022 8:00:00 AM	
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: LRN
Chloride	170	60	mg/Kg	20	3/3/2022 3:02:16 PM	65922
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	t: SB
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	3/1/2022 7:18:57 PM	65838
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	3/1/2022 7:18:57 PM	65838
Surr: DNOP	67.9	51.1-141	%Rec	1	3/1/2022 7:18:57 PM	65838
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	3/1/2022 4:47:00 AM	65812
Surr: BFB	108	70-130	%Rec	1	3/1/2022 4:47:00 AM	65812
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.025	mg/Kg	1	3/1/2022 4:47:00 AM	65812
Toluene	ND	0.050	mg/Kg	1	3/1/2022 4:47:00 AM	65812
Ethylbenzene	ND	0.050	mg/Kg	1	3/1/2022 4:47:00 AM	65812
Xylenes, Total	ND	0.10	mg/Kg	1	3/1/2022 4:47:00 AM	65812
Surr: 4-Bromofluorobenzene	90.7	70-130	%Rec	1	3/1/2022 4:47:00 AM	65812

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202C13

Date Reported: 3/8/2022

CLIENT: EOG	Client Sample ID: ES-2/1' Collection Date: 2/22/2022 12:41:00 PM						
Project: Roy SWD 3							
Lab ID: 2202C13-004	Matrix: SOIL	Received Date: 2/25/2022 8:00:00 AM					
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analys	t: LRN	
Chloride	ND	60	mg/Kg	20	3/3/2022 3:14:41 PM	65922	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	t: SB	
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	3/1/2022 7:29:48 PM	65838	
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	3/1/2022 7:29:48 PM	65838	
Surr: DNOP	88.5	51.1-141	%Rec	1	3/1/2022 7:29:48 PM	65838	
EPA METHOD 8015D: GASOLINE RANGE	1				Analys	t: RAA	
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	3/1/2022 5:06:00 AM	65812	
Surr: BFB	106	70-130	%Rec	1	3/1/2022 5:06:00 AM	65812	
EPA METHOD 8021B: VOLATILES					Analys	t: RAA	
Benzene	ND	0.025	mg/Kg	1	3/1/2022 5:06:00 AM	65812	
Toluene	ND	0.050	mg/Kg	1	3/1/2022 5:06:00 AM	65812	
Ethylbenzene	ND	0.050	mg/Kg	1	3/1/2022 5:06:00 AM	65812	
Xylenes, Total	ND	0.099	mg/Kg	1	3/1/2022 5:06:00 AM	65812	
Surr: 4-Bromofluorobenzene	90.1	70-130	%Rec	1	3/1/2022 5:06:00 AM	65812	

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202C13

Date Reported: 3/8/2022

CLIENT: EOG	Client Sample ID: ES-3/0'					
Project: Roy SWD 3	Matrix: SOIL Collection Date: 2/22/2022 12:44:00 PM Received Date: 2/25/2022 8:00:00 AM					
Lab ID: 2202C13-005						
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: LRN
Chloride	ND	60	mg/Kg	20	3/3/2022 3:27:06 PM	65922
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	t: SB
Diesel Range Organics (DRO)	ND	8.6	mg/Kg	1	3/1/2022 7:40:41 PM	65838
Motor Oil Range Organics (MRO)	ND	43	mg/Kg	1	3/1/2022 7:40:41 PM	65838
Surr: DNOP	69.2	51.1-141	%Rec	1	3/1/2022 7:40:41 PM	65838
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	3/1/2022 5:26:00 AM	65812
Surr: BFB	103	70-130	%Rec	1	3/1/2022 5:26:00 AM	65812
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.024	mg/Kg	1	3/1/2022 5:26:00 AM	65812
Toluene	ND	0.049	mg/Kg	1	3/1/2022 5:26:00 AM	65812
Ethylbenzene	ND	0.049	mg/Kg	1	3/1/2022 5:26:00 AM	65812
Xylenes, Total	ND	0.098	mg/Kg	1	3/1/2022 5:26:00 AM	65812
Surr: 4-Bromofluorobenzene	89.7	70-130	%Rec	1	3/1/2022 5:26:00 AM	65812

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202C13

Date Reported: 3/8/2022

CLIENT: EOG	Client Sample ID: ES-3/1'						
Project: Roy SWD 3	Collection Date: 2/22/2022 12:50:00 PM						
Lab ID: 2202C13-006	Matrix: SOIL	Received Date: 2/25/2022 8:00:00 AM					
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analys	t: LRN	
Chloride	ND	60	mg/Kg	20	3/3/2022 4:04:19 PM	65922	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	t: SB	
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	3/1/2022 7:51:41 PM	65838	
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	3/1/2022 7:51:41 PM	65838	
Surr: DNOP	61.9	51.1-141	%Rec	1	3/1/2022 7:51:41 PM	65838	
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA	
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	3/1/2022 5:46:00 AM	65812	
Surr: BFB	100	70-130	%Rec	1	3/1/2022 5:46:00 AM	65812	
EPA METHOD 8021B: VOLATILES					Analys	t: RAA	
Benzene	ND	0.023	mg/Kg	1	3/1/2022 5:46:00 AM	65812	
Toluene	ND	0.047	mg/Kg	1	3/1/2022 5:46:00 AM	65812	
Ethylbenzene	ND	0.047	mg/Kg	1	3/1/2022 5:46:00 AM	65812	
Xylenes, Total	ND	0.094	mg/Kg	1	3/1/2022 5:46:00 AM	65812	
Surr: 4-Bromofluorobenzene	89.0	70-130	%Rec	1	3/1/2022 5:46:00 AM	65812	

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

Qualifiers:

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

Page 6 of 23

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202C13

Date Reported: 3/8/2022

CLIENT: EOG	Client Sample ID: TH-29/10' Collection Date: 2/22/2022 1:45:00 PM						
Project: Roy SWD 3							
Lab ID: 2202C13-007	Matrix: SOIL	Received Date: 2/25/2022 8:00:00 AM					
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	CAS	
Chloride	2400	150	mg/Kg	50	3/5/2022 1:34:16 PM	65922	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: SB	
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	3/1/2022 8:02:40 PM	65838	
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	3/1/2022 8:02:40 PM	65838	
Surr: DNOP	68.9	51.1-141	%Rec	1	3/1/2022 8:02:40 PM	65838	
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA	
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	3/1/2022 6:05:00 AM	65812	
Surr: BFB	102	70-130	%Rec	1	3/1/2022 6:05:00 AM	65812	
EPA METHOD 8021B: VOLATILES					Analyst	: RAA	
Benzene	ND	0.024	mg/Kg	1	3/1/2022 6:05:00 AM	65812	
Toluene	ND	0.048	mg/Kg	1	3/1/2022 6:05:00 AM	65812	
Ethylbenzene	ND	0.048	mg/Kg	1	3/1/2022 6:05:00 AM	65812	
Xylenes, Total	ND	0.096	mg/Kg	1	3/1/2022 6:05:00 AM	65812	
Surr: 4-Bromofluorobenzene	89.7	70-130	%Rec	1	3/1/2022 6:05:00 AM	65812	

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202C13

Date Reported: 3/8/2022

CLIENT: EOG		Cl	ient Sample II	D: TH	H-29/15'	
Project: Roy SWD 3		(Collection Dat	e: 2/2	22/2022 2:04:00 PM	
Lab ID: 2202C13-008	Matrix: SOIL Received Date: 2/25/2022 8:00:00 AM					
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	2000	60	mg/Kg	20	3/3/2022 4:29:08 PM	65922
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	3/3/2022 12:09:28 AM	65861
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	3/3/2022 12:09:28 AM	65861
Surr: DNOP	96.0	51.1-141	%Rec	1	3/3/2022 12:09:28 AM	65861
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/28/2022 11:25:26 PM	65823
Surr: BFB	105	70-130	%Rec	1	2/28/2022 11:25:26 PM	65823
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	2/28/2022 11:25:26 PM	65823
Toluene	ND	0.049	mg/Kg	1	2/28/2022 11:25:26 PM	65823
Ethylbenzene	ND	0.049	mg/Kg	1	2/28/2022 11:25:26 PM	65823
Xylenes, Total	ND	0.099	mg/Kg	1	2/28/2022 11:25:26 PM	65823
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	1	2/28/2022 11:25:26 PM	65823

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202C13

Date Reported: 3/8/2022

CLIENT: EOG		Cl	ient Sample II	D: TH	H-30/2'	
Project: Roy SWD 3		(Collection Dat	e: 2/2	22/2022 1:24:00 PM	
Lab ID: 2202C13-009	Matrix: SOIL		Received Dat	e: 2/2	25/2022 8:00:00 AM	
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	ND	60	mg/Kg	20	3/3/2022 4:41:33 PM	65922
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	3/3/2022 12:20:15 AM	65861
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	3/3/2022 12:20:15 AM	65861
Surr: DNOP	103	51.1-141	%Rec	1	3/3/2022 12:20:15 AM	65861
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	3/1/2022 12:35:53 AM	65823
Surr: BFB	103	70-130	%Rec	1	3/1/2022 12:35:53 AM	65823
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	3/1/2022 12:35:53 AM	65823
Toluene	ND	0.049	mg/Kg	1	3/1/2022 12:35:53 AM	65823
Ethylbenzene	ND	0.049	mg/Kg	1	3/1/2022 12:35:53 AM	65823
Xylenes, Total	ND	0.098	mg/Kg	1	3/1/2022 12:35:53 AM	65823
Surr: 4-Bromofluorobenzene	99.0	70-130	%Rec	1	3/1/2022 12:35:53 AM	65823

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

Qualifiers:

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

Lab Order 2202C13

Date Reported: 3/8/2022

CLIENT: EOG	Client Sample ID: TH-30/5'					
Project: Roy SWD 3	Collection Date: 2/22/2022 1:30:00 PM					
Lab ID: 2202C13-010	Matrix: SOIL		Received Dat	e: 2/2	5/2022 8:00:00 AM	
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	ND	59	mg/Kg	20	3/3/2022 4:53:58 PM	65922
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	8.7	mg/Kg	1	3/3/2022 12:30:58 AM	65861
Motor Oil Range Organics (MRO)	ND	44	mg/Kg	1	3/3/2022 12:30:58 AM	65861
Surr: DNOP	94.5	51.1-141	%Rec	1	3/3/2022 12:30:58 AM	65861
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	3/1/2022 1:46:11 AM	65823
Surr: BFB	104	70-130	%Rec	1	3/1/2022 1:46:11 AM	65823
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	3/1/2022 1:46:11 AM	65823
Toluene	ND	0.048	mg/Kg	1	3/1/2022 1:46:11 AM	65823
Ethylbenzene	ND	0.048	mg/Kg	1	3/1/2022 1:46:11 AM	65823
Xylenes, Total	ND	0.097	mg/Kg	1	3/1/2022 1:46:11 AM	65823
Surr: 4-Bromofluorobenzene	98.3	70-130	%Rec	1	3/1/2022 1:46:11 AM	65823

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202C13

Date Reported: 3/8/2022

CLIENT: EOG		Cl	ient Sample II	D: TH	H-31/5'	
Project: Roy SWD 3		(Collection Dat	e: 2/2	22/2022 2:18:00 PM	
Lab ID: 2202C13-011	Matrix: SOIL		Received Dat	e: 2/2	25/2022 8:00:00 AM	
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	510	60	mg/Kg	20	3/3/2022 5:06:22 PM	65922
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	3/3/2022 12:41:40 AM	65861
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	3/3/2022 12:41:40 AM	65861
Surr: DNOP	102	51.1-141	%Rec	1	3/3/2022 12:41:40 AM	65861
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	3/1/2022 3:44:08 PM	65823
Surr: BFB	109	70-130	%Rec	1	3/1/2022 3:44:08 PM	65823
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	3/1/2022 3:44:08 PM	65823
Toluene	ND	0.049	mg/Kg	1	3/1/2022 3:44:08 PM	65823
Ethylbenzene	ND	0.049	mg/Kg	1	3/1/2022 3:44:08 PM	65823
Xylenes, Total	ND	0.097	mg/Kg	1	3/1/2022 3:44:08 PM	65823
Surr: 4-Bromofluorobenzene	103	70-130	%Rec	1	3/1/2022 3:44:08 PM	65823

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

Qualifiers:

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

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Hall	Environmental	Analysis	Laboratory,	Inc.

Lab Order 2202C13

Date Reported: 3/8/2022

CLIENT: EOG	Client Sample ID: TH-31/7'						
Project: Roy SWD 3	Collection Date: 2/22/2022 2:24:00 PM						
Lab ID: 2202C13-012	Matrix: SOIL		Received Dat	e: 2/2	25/2022 8:00:00 AM		
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	LRN	
Chloride	520	60	mg/Kg	20	3/3/2022 12:08:03 PM	65919	
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS					Analyst	SB	
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	3/3/2022 12:52:22 AM	65861	
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	3/3/2022 12:52:22 AM	65861	
Surr: DNOP	105	51.1-141	%Rec	1	3/3/2022 12:52:22 AM	65861	
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB	
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	3/1/2022 4:07:39 PM	65823	
Surr: BFB	107	70-130	%Rec	1	3/1/2022 4:07:39 PM	65823	
EPA METHOD 8021B: VOLATILES					Analyst	: NSB	
Benzene	ND	0.025	mg/Kg	1	3/1/2022 4:07:39 PM	65823	
Toluene	ND	0.049	mg/Kg	1	3/1/2022 4:07:39 PM	65823	
Ethylbenzene	ND	0.049	mg/Kg	1	3/1/2022 4:07:39 PM	65823	
Xylenes, Total	ND	0.099	mg/Kg	1	3/1/2022 4:07:39 PM	65823	
Surr: 4-Bromofluorobenzene	100	70-130	%Rec	1	3/1/2022 4:07:39 PM	65823	

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

Qualifiers:

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

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	Hall	Environmental	Analysis	Laboratory,	Inc.
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Lab Order 2202C13

Date Reported: 3/8/2022

CLIENT: EOG		Cl	ient Sample I	D: TH	H-32/5'	
Project: Roy SWD 3		(Collection Dat	te: 2/2	22/2022 2:40:00 PM	
Lab ID: 2202C13-013	Matrix: SOIL Received Date: 2/25/2022 8:00:00 AM					
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: LRN
Chloride	2000	60	mg/Kg	20	3/3/2022 6:58:03 PM	65944
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	t: SB
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	3/3/2022 1:03:02 AM	65861
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	3/3/2022 1:03:02 AM	65861
Surr: DNOP	102	51.1-141	%Rec	1	3/3/2022 1:03:02 AM	65861
EPA METHOD 8015D: GASOLINE RANGE	I				Analys	t: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	3/1/2022 4:31:01 PM	65823
Surr: BFB	107	70-130	%Rec	1	3/1/2022 4:31:01 PM	65823
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.025	mg/Kg	1	3/1/2022 4:31:01 PM	65823
Toluene	ND	0.050	mg/Kg	1	3/1/2022 4:31:01 PM	65823
Ethylbenzene	ND	0.050	mg/Kg	1	3/1/2022 4:31:01 PM	65823
Xylenes, Total	ND	0.10	mg/Kg	1	3/1/2022 4:31:01 PM	65823
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	1	3/1/2022 4:31:01 PM	65823

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

Qualifiers:

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

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Lab Order 2202C13

Date Reported: 3/8/2022

CLIENT: EOG	Client Sample ID: TH-32/14'					
Project: Roy SWD 3	Collection Date: 2/22/2022 3:13:00 PM					
Lab ID: 2202C13-014	Matrix: SOIL Received Date: 2/25/2022 8:00:00 AM					
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: LRN
Chloride	430	60	mg/Kg	20	3/3/2022 7:35:16 PM	65944
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	t: SB
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	3/3/2022 1:13:41 AM	65861
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	3/3/2022 1:13:41 AM	65861
Surr: DNOP	98.3	51.1-141	%Rec	1	3/3/2022 1:13:41 AM	65861
EPA METHOD 8015D: GASOLINE RANGE	i i				Analys	t: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	3/1/2022 4:54:26 PM	65823
Surr: BFB	107	70-130	%Rec	1	3/1/2022 4:54:26 PM	65823
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.025	mg/Kg	1	3/1/2022 4:54:26 PM	65823
Toluene	ND	0.050	mg/Kg	1	3/1/2022 4:54:26 PM	65823
Ethylbenzene	ND	0.050	mg/Kg	1	3/1/2022 4:54:26 PM	65823
Xylenes, Total	ND	0.099	mg/Kg	1	3/1/2022 4:54:26 PM	65823
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	1	3/1/2022 4:54:26 PM	65823

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2202C13

Date Reported: 3/8/2022

CLIENT: EOG		Cl	ient Sample II): TH	I-33/8'	
Project: Roy SWD 3			Collection Dat	e: 2/2	22/2022 3:40:00 PM	
Lab ID: 2202C13-015	Matrix: SOIL Received Date: 2/25/2022 8:00:00					
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	620	60	mg/Kg	20	3/3/2022 7:47:41 PM	65944
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	3/3/2022 1:24:19 AM	65861
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	3/3/2022 1:24:19 AM	65861
Surr: DNOP	110	51.1-141	%Rec	1	3/3/2022 1:24:19 AM	65861
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	3/1/2022 6:05:07 PM	65823
Surr: BFB	107	70-130	%Rec	1	3/1/2022 6:05:07 PM	65823
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	3/1/2022 6:05:07 PM	65823
Toluene	ND	0.049	mg/Kg	1	3/1/2022 6:05:07 PM	65823
Ethylbenzene	ND	0.049	mg/Kg	1	3/1/2022 6:05:07 PM	65823
Xylenes, Total	ND	0.097	mg/Kg	1	3/1/2022 6:05:07 PM	65823
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	1	3/1/2022 6:05:07 PM	65823

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

Qualifiers:

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

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Lab Order 2202C13

Date Reported: 3/8/2022

CLIENT: EOG		C	ient Sample I	D: TH	H-33/10'	
Project: Roy SWD 3		(Collection Dat	e: 2/2	22/2022 3:43:00 PM	
Lab ID: 2202C13-016	Matrix: SOIL		Received Dat	e: 2/2	25/2022 8:00:00 AM	
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: LRN
Chloride	330	60	mg/Kg	20	3/3/2022 8:00:06 PM	65944
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	t: SB
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	3/3/2022 1:34:58 AM	65861
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	3/3/2022 1:34:58 AM	65861
Surr: DNOP	97.0	51.1-141	%Rec	1	3/3/2022 1:34:58 AM	65861
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	3/1/2022 6:28:33 PM	65823
Surr: BFB	106	70-130	%Rec	1	3/1/2022 6:28:33 PM	65823
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.025	mg/Kg	1	3/1/2022 6:28:33 PM	65823
Toluene	ND	0.049	mg/Kg	1	3/1/2022 6:28:33 PM	65823
Ethylbenzene	ND	0.049	mg/Kg	1	3/1/2022 6:28:33 PM	65823
Xylenes, Total	ND	0.098	mg/Kg	1	3/1/2022 6:28:33 PM	65823
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	1	3/1/2022 6:28:33 PM	65823

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

Qualifiers:

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

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Lab Order 2202C13

Date Reported: 3/8/2022

CLIENT: EOG		Cl	ient San	nple II	D: TH	I-34/0'	
Project: Roy SWD 3		(Collectio	on Dat	e: 2/2	2/2022 3:54:00 PM	
Lab ID: 2202C13-017	Matrix: SOIL		Receive	ed Dat	e: 2/2	25/2022 8:00:00 AM	
Analyses	Result	PQL	Qual U	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analys	t: LRN
Chloride	890	60	r	mg/Kg	20	3/3/2022 8:12:31 PM	65944
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analys	t: SB
Diesel Range Organics (DRO)	ND	9.9	r	mg/Kg	1	3/3/2022 1:45:36 AM	65861
Motor Oil Range Organics (MRO)	ND	49	r	mg/Kg	1	3/3/2022 1:45:36 AM	65861
Surr: DNOP	87.7	51.1-141	c	%Rec	1	3/3/2022 1:45:36 AM	65861
EPA METHOD 8015D: GASOLINE RANGE						Analys	t: NSB
Gasoline Range Organics (GRO)	ND	5.0	r	mg/Kg	1	3/1/2022 6:51:57 PM	65823
Surr: BFB	106	70-130	c	%Rec	1	3/1/2022 6:51:57 PM	65823
EPA METHOD 8021B: VOLATILES						Analys	t: NSB
Benzene	ND	0.025	r	mg/Kg	1	3/1/2022 6:51:57 PM	65823
Toluene	ND	0.050	r	mg/Kg	1	3/1/2022 6:51:57 PM	65823
Ethylbenzene	ND	0.050	r	mg/Kg	1	3/1/2022 6:51:57 PM	65823
Xylenes, Total	ND	0.099	r	mg/Kg	1	3/1/2022 6:51:57 PM	65823
Surr: 4-Bromofluorobenzene	101	70-130	c	%Rec	1	3/1/2022 6:51:57 PM	65823

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

Qualifiers:

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

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Lab Order 2202C13

Date Reported: 3/8/2022

CLIENT: EOG		Cl	ient Sa	ample II	D: TH	I-34/1'	
Project: Roy SWD 3		(Collect	ion Dat	e: 2/2	2/2022 3:56:00 PM	
Lab ID: 2202C13-018	Matrix: SOIL		Recei	ved Dat	e: 2/2	25/2022 8:00:00 AM	
Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analys	t: LRN
Chloride	1600	60		mg/Kg	20	3/3/2022 8:24:56 PM	65944
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analys	t: SB
Diesel Range Organics (DRO)	22	9.5		mg/Kg	1	3/3/2022 7:49:07 PM	65861
Motor Oil Range Organics (MRO)	65	47		mg/Kg	1	3/3/2022 7:49:07 PM	65861
Surr: DNOP	112	51.1-141		%Rec	1	3/3/2022 7:49:07 PM	65861
EPA METHOD 8015D: GASOLINE RANGE						Analys	t: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/1/2022 7:15:27 PM	65823
Surr: BFB	105	70-130		%Rec	1	3/1/2022 7:15:27 PM	65823
EPA METHOD 8021B: VOLATILES						Analys	t: NSB
Benzene	ND	0.025		mg/Kg	1	3/1/2022 7:15:27 PM	65823
Toluene	ND	0.050		mg/Kg	1	3/1/2022 7:15:27 PM	65823
Ethylbenzene	ND	0.050		mg/Kg	1	3/1/2022 7:15:27 PM	65823
Xylenes, Total	ND	0.10		mg/Kg	1	3/1/2022 7:15:27 PM	65823
Surr: 4-Bromofluorobenzene	99.7	70-130		%Rec	1	3/1/2022 7:15:27 PM	65823

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

Qualifiers:

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

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WO#:	2202	C13
	00.15	

08-Mar-22

Client: Project:	EOG Roy SWI)3									
Sample ID:	MB-65919	SampT	ype: mb	olk	Tes	TestCode: EPA Method 300.0: Anions					
Client ID:	PBS	Batch	n ID: 659	919	R	RunNo: 86224					
Prep Date:	3/3/2022	Analysis D	ate: 3/	3/2022	S	SeqNo: 30)40668	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID:	LCS-65919	SampT	ype: Ics	;	Tes	tCode: EF	A Method	300.0: Anion	s		
Client ID:	LCSS	Batch	n ID: 659	919	R	RunNo: 86	ò224				
Prep Date:	3/3/2022	Analysis D	ate: 3/	3/2022	S	SeqNo: 30)40669	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	92.5	90	110			
Sample ID:	MB-65922	SampT	ype: mb	olk	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID:	PBS	Batch ID: 65922			F	RunNo: 86	6250				
Prep Date:	3/3/2022	Analysis D	ate: 3/	3/2022	S	SeqNo: 30)40747	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID:	LCS-65922	SampT	ype: Ics	;	Tes	tCode: EF	A Method	300.0: Anion	s		
Client ID:	LCSS	Batch	n ID: 659	922	F	RunNo: 86	6250				
Prep Date:	3/3/2022	Analysis D	ate: 3/	3/2022	S	GeqNo: 30)40748	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	90.1	90	110			
Sample ID:	MB-65944	SampT	ype: mb	olk	Tes	tCode: EF	A Method	300.0: Anion	s		
Client ID:	PBS	Batch	n ID: 659	944	F	RunNo: 86	6250				
Prep Date:	3/3/2022	Analysis D	ate: 3/	3/2022	S	SeqNo: 30	040801	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID:	LCS-65944	SampT	ype: Ics		Tes	tCode: EF	A Method	300.0: Anion	s		
Client ID:	LCSS	Batch	n ID: 659	944	F	RunNo: 86	ð 250				
Prep Date:	3/3/2022	Analysis D	ate: 3/	3/2022	S	SeqNo: 30)40802	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
				15.00	,						

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- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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EOG

Client:

AKIKEPUKI	WO#:	2202C13	
mental Analysis Laboratory, Inc.		08-Mar-22	
	,		

Project: Roy SV	WD 3	
Sample ID: MB-65944	SampType: mblk TestCode	ode: EPA Method 300.0: Anions
Client ID: PBS	Batch ID: 65944 RunNe	No: 86255
Prep Date: 3/3/2022	Analysis Date: 3/4/2022 SeqN	No: 3041601 Units: mg/Kg
Analyte	Result PQL SPK value SPK Ref Val %R	6REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	ND 1.5	
Sample ID: LCS-65944	SampType: Ics TestCode	ode: EPA Method 300.0: Anions
Client ID: LCSS	Batch ID: 65944 RunNe	No: 86255
Prep Date: 3/3/2022	Analysis Date: 3/4/2022 SeqN	No: 3041602 Units: mg/Kg
Analyte	Result PQL SPK value SPK Ref Val %R	6REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	14 1.5 15.00 0 9	94.1 90 110

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

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EOG

Roy SWD 3

Client:

Project:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Sample ID: LCS-65838	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: LCSS	Batch	n ID: 65	838	RunNo: 86162						
Prep Date: 2/28/2022	Analysis D	ate: 3/	1/2022	5	SeqNo: 3	037235	Units: mg/K	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	10	50.00	0	102	68.9	135			
Surr: DNOP	4.4		5.000		87.0	51.1	141			
Sample ID: MB-65838	SampT	ype: ME	BLK	TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch	n ID: 65	838	F	RunNo: 8	6162				
Prep Date: 2/28/2022	Analysis D	ate: 3/	1/2022	5	SeqNo: 3	037236	Units: mg/K	٤g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.7		10.00		97.2	51.1	141			
	0.1		10.00		51.2	01.1	1-71			
Sample ID: MB-65861	-	ype: ME		Tes	-	-	8015M/D: Die	esel Range	e Organics	
Sample ID: MB-65861 Client ID: PBS	SampT	ype: ME 1 ID: 65	BLK		-	PA Method		esel Range	e Organics	
	SampT	n ID: 65	3LK 861	F	tCode: El	PA Method		-	e Organics	
Client ID: PBS	SampT Batch	n ID: 65	3LK 861 2/2022	F	tCode: El RunNo: 8 SeqNo: 3	PA Method	8015M/D: Die	-	e Organics	Qual
Client ID: PBS Prep Date: 3/1/2022	SampT Batch Analysis D	n ID: 65 Date: 3/	3LK 861 2/2022	F	tCode: El RunNo: 8 SeqNo: 3	PA Method 6182 037854	8015M/D: Die Units: mg/K	(g	-	Qual
Client ID: PBS Prep Date: 3/1/2022 Analyte Diesel Range Organics (DRO)	SampT Batch Analysis D Result	n ID: 65 Pate: 3/	3LK 861 2/2022	F	tCode: El RunNo: 8 SeqNo: 3	PA Method 6182 037854	8015M/D: Die Units: mg/K	(g	-	Qual
Client ID: PBS Prep Date: 3/1/2022 Analyte	SampT Batch Analysis D Result ND	n ID: 65 Date: 3/ PQL 10	3LK 861 2/2022	F	tCode: El RunNo: 8 SeqNo: 3	PA Method 6182 037854	8015M/D: Die Units: mg/K	(g	-	Qual
Client ID: PBS Prep Date: 3/1/2022 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO)	SampT Batch Analysis D Result ND ND 8.2	n ID: 65 Date: 3/ PQL 10	3LK 861 2/2022 SPK value 10.00	F S SPK Ref Val	tCode: El RunNo: 8 SeqNo: 3 %REC 81.6	PA Method 6182 037854 LowLimit 51.1	8015M/D: Die Units: mg/K HighLimit	Sg %RPD	RPDLimit	Qual
Client ID: PBS Prep Date: 3/1/2022 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP	SampT Batch Analysis D Result ND ND 8.2 SampT	PQL 10 10 10 50	BLK 861 2/2022 SPK value 10.00	F SPK Ref Val Tes	tCode: El RunNo: 8 SeqNo: 3 %REC 81.6	PA Method 5182 037854 LowLimit 51.1 PA Method	8015M/D: Die Units: mg/K HighLimit 141	Sg %RPD	RPDLimit	Qual
Client ID: PBS Prep Date: 3/1/2022 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: LCS-65861	SampT Batch Analysis D Result ND ND 8.2 SampT	PQL 10 50 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	3LK 861 2/2022 SPK value 10.00 SS 861	F SPK Ref Val Tes F	tCode: El RunNo: 8 SeqNo: 3 %REC 81.6 tCode: El	PA Method 6182 037854 LowLimit 51.1 PA Method 6182	8015M/D: Die Units: mg/K HighLimit 141	Kg %RPD esel Range	RPDLimit	Qual
Client ID: PBS Prep Date: 3/1/2022 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: LCS-65861 Client ID: LCSS	SampT Batch Analysis D Result ND ND 8.2 SampT Batch	PQL 10 50 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	3LK 861 2/2022 SPK value 10.00 S 861 2/2022	F SPK Ref Val Tes F	tCode: El RunNo: 8 SeqNo: 3 %REC 81.6 tCode: El RunNo: 8 SeqNo: 3	PA Method 6182 037854 LowLimit 51.1 PA Method 6182	8015M/D: Die Units: mg/K HighLimit 141 8015M/D: Die	Kg %RPD esel Range	RPDLimit	Qual
Client ID: PBS Prep Date: 3/1/2022 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: LCS-65861 Client ID: LCSS Prep Date: 3/1/2022	SampT Batch Analysis D Result ND ND 8.2 SampT Batch Analysis D	PQL 10 50 7ype: LC 7ype: LC 10 ID: 65 9ate: 3/	3LK 861 2/2022 SPK value 10.00 S 861 2/2022	F SPK Ref Val Tes F S	tCode: El RunNo: 8 SeqNo: 3 %REC 81.6 tCode: El RunNo: 8 SeqNo: 3	PA Method 5182 037854 LowLimit 51.1 PA Method 5182 037855	8015M/D: Dia Units: mg/K HighLimit 141 8015M/D: Dia Units: mg/K	Kg %RPD esel Range	RPDLimit	

Qualifiers:

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ND Not Detected at the Reporting Limit

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- S % Recovery outside of range due to dilution or matrix interference
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- E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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WO#: 2202C13 08-Mar-22

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#:	2202C13
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08-Mar-22

Client: Project:	EOG Roy SWD	03									
Sample ID:	mb-65823	SampT	ype: ME	BLK	TestCode: EPA Method 8015D: Gasoline Range						
Client ID:	PBS	Batch	n ID: 65	823	R	RunNo: 86141					
Prep Date:	2/26/2022	Analysis D)ate: 2/	28/2022	S	eqNo: 30	035722	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang Surr: BFB	e Organics (GRO)	ND 1100	5.0	1000		106	70	130			
Sample ID:	lcs-65823					Code: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID:	LCSS	Batch ID: 65823			R	unNo: 86	6141				
Prep Date:	2/26/2022	Analysis D)ate: 2/	28/2022	S	eqNo: 30	035723	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
-	e Organics (GRO)	25	5.0	25.00	0	100	78.6	131			
Surr: BFB		1200		1000		119	70	130			
Sample ID:	lcs-65812	SampT	ype: LC	s	Tes	Code: EF	PA Method	8015D: Gaso	line Rang	9	
		SampType: LCS			RunNo: 86147						
Client ID:	LCSS	Batch	n ID: 65	812	R	unNo: 86	6147				
		Batch Analysis D				unNo: 86 eqNo: 30		Units: mg/K	g		
				28/2022		eqNo: 30		Units: mg/K HighLimit	g %RPD	RPDLimit	Qual
Prep Date: Analyte		Analysis D)ate: 2/	28/2022	S	eqNo: 30	035984	U	0	RPDLimit	Qual
Prep Date: Analyte	2/25/2022	Analysis D Result	Date: 2/	28/2022 SPK value	SPK Ref Val	eqNo: 30 %REC	035984 LowLimit	HighLimit	0	RPDLimit	Qual
Prep Date: Analyte Gasoline Rang	2/25/2022 e Organics (GRO)	Analysis D Result 26 1200	Date: 2/	28/2022 SPK value 25.00 1000	SPK Ref Val 0	eqNo: 3(%REC 104 115	035984 LowLimit 78.6 70	HighLimit 131	%RPD		Qual
Prep Date: Analyte Gasoline Rang Surr: BFB	2/25/2022 e Organics (GRO) mb-65812	Analysis D Result 26 1200 SampT	Date: 2/ PQL 5.0	28/2022 SPK value 25.00 1000 BLK	SPK Ref Val 0 Test	eqNo: 3(%REC 104 115	D35984 LowLimit 78.6 70 PA Method	HighLimit 131 130	%RPD		Qual
Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID: Client ID:	2/25/2022 e Organics (GRO) mb-65812 PBS	Analysis D Result 26 1200 SampT	Pate: 2/ PQL 5.0 Type: ME	228/2022 SPK value 25.00 1000 BLK 812	SPK Ref Val 0 Tesi R	eqNo: 3(%REC 104 115 Code: EF	035984 LowLimit 78.6 70 PA Method 6147	HighLimit 131 130	%RPD		Qual
Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID: Client ID:	2/25/2022 e Organics (GRO) mb-65812 PBS	Analysis D Result 26 1200 SampT Batch	Pate: 2/ PQL 5.0 Type: ME	228/2022 SPK value 25.00 1000 BLK 812 28/2022	SPK Ref Val 0 Tesi R	eqNo: 3(%REC 104 115 Code: EF unNo: 8(eqNo: 3(035984 LowLimit 78.6 70 PA Method 6147	HighLimit 131 130 8015D: Gaso	%RPD		Qual

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- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

WO#:	2	202	C13
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	200										
Client:	EOG										
Project:	Roy SWE) 3									
Sample ID:	mb-65823	Samp	Гуре: МЕ	BLK	Tes	tCode: EF	PA Method	8021B: Vola	tiles		
Client ID:	PBS	Batc	h ID: 65	823	F	RunNo: 8	6141				
Prep Date:	2/26/2022	Analysis [Date: 2/	28/2022	S	SeqNo: 3	035766	Units: mg/k	٤g		
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-Brom	ofluorobenzene	1.0		1.000		99.6	70	130			
Sample ID:	LCS-65823	Samp	Гуре: LC	S	Tes	tCode: EF	PA Method	8021B: Vola	tiles		
Client ID:	LCSS	Batc	h ID: 65	823	F	RunNo: 8	6141				
Prep Date:	2/26/2022	Analysis [Date: 2/	28/2022	5	SeqNo: 3	035767	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.94	0.025	1.000	0	94.1	80	120			
Toluene		1.0	0.050	1.000	0	101	80	120			
Ethylbenzene		1.0	0.050	1.000	0	102	80	120			
Xylenes, Total		3.1	0.10	3.000	0	102	80	120			
Surr: 4-Brom	ofluorobenzene	1.0		1.000		104	70	130			
Sample ID:	lcs-65812	Samp	Гуре: LC	S	Tes	tCode: EF	PA Method	8021B: Vola	tiles		
Client ID:	LCSS	Batc	h ID: 658	812	F	RunNo: 8	6147				
Prep Date:	2/25/2022	Analysis [Date: 2/	28/2022	S	SeqNo: 30	036059	Units: mg/h	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.91	0.025	1.000	0	91.2	80	120			
Toluene		0.93	0.050	1.000	0	93.3	80	120			
Ethylbenzene		0.94	0.050	1.000	0	94.0	80	120			
Xylenes, Total		2.8	0.10	3.000	0	93.6	80	120			
Surr: 4-Brom	ofluorobenzene	0.93		1.000		93.4	70	130			
Sample ID:	mb-65812	Samp	Гуре: МЕ	BLK	Tes	tCode: EF	PA Method	8021B: Vola	tiles		
Client ID:	PBS	Batc	h ID: 65	812	F	RunNo: 8	6147				
Prep Date:	2/25/2022	Analysis [Date: 2/	28/2022	5	SeqNo: 3	036060	Units: mg/k	٢g		
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-Brom	ofluorobenzene	0.89		1.000		89.4	70	130			

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- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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		Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com Work Order Number: 2202C13					Sample Log-In Check List			
Client Name: EOG		Work Order Nu	mber: 22	02C13			RcptNo: 1			
Received By: Cheyenr	ne Cason	2/25/2022 8:00:0	0 AM		Cherry	1				
Completed By: Cheyenr	e Cason	2/25/2022 8:38:2	0 AM		Cherry Cherry	1				
Reviewed By: In 2/2	5/2				Cyrra					
Chain of Custody										
1. Is Chain of Custody com	plete?		Yes		No		Not Present			
2. How was the sample deli	vered?		<u>Co</u>	Irier						
Log In										
3. Was an attempt made to	cool the samples?		Yes	V	No		NA 🗌			
4. Were all samples received	d at a temperature o	f >0° C to 6.0°C	Yes		No					
5. Sample(s) in proper conta	iner(s)?		Yes	~	No					
6. Sufficient sample volume	for indicated test(s)	, ,	Yes	~	No	П				
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	h headspace <1/4"	for AQ VOA?	Yes		No		NA 🗹			
10. Were any sample contain			Yes	_	No					
						-	# of preserved			
11. Does paperwork match bo			Yes	~	No		bottles checked for pH;			
(Note discrepancies on cha 2. Are matrices correctly iden				-			(<2 or >12 unless noted)			
3. Is it clear what analyses we		ustody?	Yes		2.96		Adjusted?			
4. Were all holding times able			Yes		No		1100 21			
(If no, notify customer for a	uthorization.)		Yes	V	No [-	Specked by: ILPG 2/	25		
pecial Handling (if app	licable)									
15. Was client notified of all di	screpancies with thi	s order?	Yes		No		NA 🗹			
Person Notified:		Date	-		_					
By Whom:		Via:	eMa	ii 🗆 F	hone	Fax	In Person			
Regarding:				Ц.		- un				
Client Instructions:										
6. Additional remarks:										
7. <u>Cooler Information</u> Cooler No Temp °C 1 2.7		Intact Seal No resent	Seal Da	te	Signed By	y				

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Page 1 of 1

Client: EOG-									
	Artesia / Ká	Client: EOG-Artesia / Ranger Env.	□ Standard	Rush	h 5 Davy		HALL ENVI	AALL ENVIRONMENTAL	AL
.1			Project Nam	Koy			STCIPHIN		A M
Mailing Addres	ss: EOG - 10:	Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210						ental.com	
Ranger: PO Bo	x 201179, 4	Ranger: PO Box 201179, Austin TX 78720	Project #: 5375	75			4301 Flawkins NE - Albuquerque, NM 87109 Tel החק-345-3075 בביע החק 245 4107	erque, NIVI 87109 505 345 4107	
Phone #: 521-335-1785	-335-1785					00.101	Analysis	equest	
email or Fax#: Will@RangerEnv.com	t: Will@Rar	ngerEnv.com	Project Manager:	ager: W. Kierdorf	dorf				
QA/QC Package:	je:					(0ชเ			
Standard		Level 4 (Full Validation)				N / C			
Accreditation:		□ Az Compliance □ Other	Sampler: w, On Ice:	WI Yes	No				
EDD (Type)			# of Coolers:	-	t	SRC			
			Cooler Temp(including CF): 7	(including CF): 2	8-0,238 2,7	D)DS			
Date Time	e Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	8) X∃T8 108:H91 Chloride			
2/3422 1238	5022	ES-1/0'	1 × 4pz JAR	tce	1201	X			
1334		Es-1/1	-		202	1 1 1			-
1336		E 5-3/9"			603				
Inel		ES-3/1'			ao4				
15-61	+	ES -3/0'			005				
13.50	0	Es-3/1'			006				
1345		TH-29/10'			202				
4041	-	TH-29/15'			<i>w</i> 8				
1324		TH-30/21			Sol				
1330		TM-30/5'			010				
1418		TH-31/5:			611				
十四十	1 +	TH-31/7'	-1	-1	210	1 1 1			
Date: Time:	Relinquished by:		Received by:	Via:	F	Remarks: Bill	Remarks: Bill to EOG Artesia		
Date: Time:	Relinquished by:		UNALL Received by:	VIII	1414/22 1693				
E -	CUCH	(emrn	m	1241	1261-22 08100				

Released to Imaging: 9/13/2022 3:05:29 PM

- Received by OC.	D: 3/16/2022 4:08:19 PM		
2062 ENTAL ATORY			
MN	87109		

Client: Mailing Ranger Phone email o	EOG-A Address PO Box #: 521-4	Client: EOG-Artesia / R. Mailing Address: EOG - 10 Ranger: PO Box 201179, Phone #: 521-335-1785 email or Fax#: Will@Rai	Client: EOG-Artesia / Ranger Env. Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210 Ranger: PO Box 201179, Austin TX 78720 Phone #: 521-335-1785 email or Fax#: Will@RangerEnv.com	□ Standard □ Project Name: R ₀ Y Project #: 5375	□ Standard (Rush C Project Name: Roy Swo #3 Project #: 5375 Project Manager: W. Kierdorf	X Rush 5 Davy v Sw0 #3 W. Kierdorf	4901 H	HALL ENVIRONMENT, ANALYSIS LABORATO www.hallenvironmental.com www.hallenvironmental.com www.hallenvironmental.com www.hallenvironmental.com analysis Request
QA/QC Packed Standard Accreditation NELAC	QA/QC Package: Standard Accreditation: NELAC	4.4 C	 Level 4 (Full Validation) Az Compliance Other 	Sampler: <i>k.</i> , On Ice:	LECCORNE DA Yes	N N		
Date	EDD (Type)	Excel Matrix	Sample Name	# of Coolers. Cooler Temp Container Type and #	# of Coolers: t Cooler Temp(Induding CF): 2, Container Type and # Type	. <u>6-0,t 52.7</u> HEAL No. 2202C13	ВТЕХ (8021) ТРН:8015D(GRC СРІогіde (ЕРА 3	
1	1440 1513	SUEL	TH-32/5' TH-32/14'	1×402 JAR	ICC	013 014	X X X	
	1540 1543	_	TH-33/8" TH-33/10"			015 016		
	1551	-1	TH-34/0' TH-34/1			617 018		
Date:	Time: PGC3	Relinquished by:		Received by:	Via:	Date Time	Remarks: Bill	Remarks: Bill to EOG Artesia
Date: Time: F	Time:	Seli	Churry .	Received by:	Via:	Date Time		

ATTACHMENT 5

JAMES H & BETTY R HOWELL REVOCABLE TRUST SEED MIX

James H & Betty R Howell Revocable Trust Seed Mix

1lb per acre of Plains Bristlegrass
2lbs per acre of Green Sprangletop
3lbs per acre of Side Oats Gramma
2lbs per acre of Blue Gramma
Increase to 16lbs per acre if broadcast.

Add Reclamation Mix

40% Ryegrass (Annual)

10% Millet

7.5% Kleingrass

5.7% Sideoats

5% Green Sprangletop

7.5% Bristlegrass

10% Western Wheatgrass

10% Buffalograss

2.5% Blue Grama

PLANTING RATE 20 lbs. per acre

Updated 5/23/2021

ATTACHMENT *

BAC78'7CFF9GDCB89B79

From:	Miriam Morales < Miriam_Morales@eogresources.com>
Sent:	Tuesday, August 17, 2021 2:38 PM
То:	Jim.Griswold@state.nm.us; robert.hamlet@state.nm.us; emnrd-ocd-
	district1spills@state.nm.us; mike.bratcher@state.nm.us
Cc:	Andrea Felix; Artesia Regulatory; Katie Jamison; Bob Asher; Ashley Bravo; Chase Settle;
	Yvette Moore
Subject:	EOG Resources Inc. notification of major release: Roy SWD #3

Good afternoon,

Please accept this email as notification by EOG Resource, Inc.- Artesia Division of a major release at the following location:

Roy SWD #3 UL P; Section 7 T19S-R25E 32.6705933,-104.5177307 NAD83 Eddy County, New Mexico

Released: Estimated 25 B/PW Recovered: 20 B/PW

Release occurred on fee surface belonging to Howell Revocable Trust (Alan & Cheryl Howell)

Release type: Produced Water Date: 8/16/2021 Time: Reported to S&E at 7:46 PM Cause: At this time the cause of the release is unknown, full details will be included with the submission of the C-141. Initial Action: EOG personal immediately contained release and worked to recover fluids as quickly as possible. Follow up actions: Clean-up efforts are ongoing.

A C-141 with full released/recovered volumes as well as cause of the release will be submitted.

Thank you,

Miriam Morales

From:	Tina Huerta <tina_huerta@eogresources.com></tina_huerta@eogresources.com>
Sent:	Friday, August 20, 2021 11:36 AM
То:	Robert.Hamlet@state.nm.us
Cc:	Chase Settle; Greg Cox; 'Kelly Mack Cassels'; Michael Yemm; BODEE EUDY; Katie
	Jamison; ahowell@pvtn.net
Subject:	Roy SWD 3 Sampling Notification

Good Morning,

EOG Resources, Inc. respectfully submits notification of sampling activities to be conducted at the below location.

Roy SWD 3 7-19S-25E Eddy County, NM nAPP2123047534

Sampling will begin at 10:30 a.m. on Tuesday, August 24, 2021 and on Thursday, August 26, 2021.

Thank you and have a great day!



From:	Tina Huerta <tina_huerta@eogresources.com></tina_huerta@eogresources.com>
Sent:	Friday, August 20, 2021 12:33 PM
То:	Alan & Cheryl ; Robert.Hamlet@state.nm.us
Cc:	Chase Settle; Greg Cox; 'Kelly Mack Cassels'; Michael Yemm; BODEE EUDY; Katie Jamison; Austin Weyant; Andrea Felix
Subject:	Roy SWD 3 Sampling Notification

Good Morning,

EOG Resources, Inc. respectfully submits notification of sampling activities to be conducted at the below location.

Roy SWD 3 7-19S-25E Eddy County, NM nAPP2123047534

Sampling will begin at 1:00 p.m. on Thursday, August 26, 2021.

Thank you and have a great day!



From:	Tina Huerta <tina_huerta@eogresources.com></tina_huerta@eogresources.com>
Sent:	Thursday, September 16, 2021 5:29 PM
То:	Robert.Hamlet@state.nm.us
Cc:	Artesia Regulatory; Chase Settle; Yvette Moore; Ashley Bravo
Subject:	Roy SWD 3 (nAPP2123047534) Sampling Notification

Good Afternoon,

EOG Resources, Inc. respectfully submits notification of sampling activities to be conducted at the below location.

Roy SWD 3 P-7-19S-25E Eddy County, NM nAPP2123047534

Sampling will begin at 7:30 a.m. on Tuesday, September 21, 2021.

Thank you,



From: Sent:	Tina Huerta <tina_huerta@eogresources.com> Tuesday, November 16, 2021 5:11 PM</tina_huerta@eogresources.com>
То:	Robert.Hamlet@state.nm.us
Cc:	Artesia Regulatory; Chase Settle; Yvette Moore; Ashley Bravo; Katie Jamison
Subject:	Roy SWD 3 (nAPP2123047534) Characterization Plan Extension Request

Good afternoon,

EOG Resources, Inc. respectfully requests a 90-day extension to February 14, 2022, for the Characterization Plan to the below listed incident.

Roy SWD #3 30-015-26562 P-7-19S-25E 810 FSL & 660 FEL Eddy County, New Mexico Incident Number nAPP2123047534

During the assessment activities at the subject site, impacted areas below 20 feet bgs were encountered which will require a core rig to complete delineation. There are also areas within the battery that will have core rig delineation completed to address the impacts within that area. The decision has been made to plug and abandon this location, therefore due to the safety concerns of performing core rig delineation within the vicinity of the wellhead and tanks, it is preferred to wait until after the decommissioning of the facility, which the requested will allow. This should alleviate a number of safety concerns within the battery and near the wellhead, as well as allow for further delineation below the tanks.

Thank you,



From: Sent:	Hamlet, Robert, EMNRD <robert.hamlet@state.nm.us> Thursday, November 18, 2021 9:49 AM</robert.hamlet@state.nm.us>
To:	Tina Huerta
Cc:	Artesia Regulatory; Chase Settle; Yvette Moore; Ashley Bravo; Katie Jamison; Bratcher,
Subject:	Mike, EMNRD; Hensley, Chad, EMNRD; Velez, Nelson, EMNRD (Extension) Roy SWD 3 (nAPP2123047534) Characterization Plan

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

RE: Incident #NAPP2123047534

Tina,

Your request for an extension to **February 14th, 2022** is approved. Following OCD timelines is extremely important in remediating releases. These timelines have been set in place to protect human health and the environment. The OCD not understanding the severity of a release could impact groundwater, rivers, ponds, etc.. Due to the depth of contaminants at this site, this will be the only extension granted for this incident. A remediation plan including full delineation should be uploaded to OCD payment portal by February 14th, 2022.

Robert Hamlet • Environmental Specialist - Advanced Environmental Bureau EMNRD - Oil Conservation Division 811 S. First Street | Artesia, NM 88210 575.909.0302 | robert.hamlet@state.nm.us http://www.emnrd.state.nm.us/OCD/



From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Tuesday, November 16, 2021 4:11 PM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>
Cc: Artesia Regulatory <Artesia_Regulatory@eogresources.com>; Chase Settle <Chase_Settle@eogresources.com>; Yvette Moore <Yvette_Moore@eogresources.com>; Ashley Bravo <Ashley_Bravo@eogresources.com>; Katie Jamison
<Katie_Jamison@eogresources.com>

Subject: [EXTERNAL] Roy SWD 3 (nAPP2123047534) Characterization Plan Extension Request

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good afternoon,

EOG Resources, Inc. respectfully requests a 90-day extension to February 14, 2022, for the Characterization Plan to the below listed incident.

Roy SWD #3 30-015-26562 P-7-19S-25E 810 FSL & 660 FEL Eddy County, New Mexico Incident Number nAPP2123047534

During the assessment activities at the subject site, impacted areas below 20 feet bgs were encountered which will require a core rig to complete delineation. There are also areas within the battery that will have core rig delineation completed to address the impacts within that area. The decision has been made to plug and abandon this location, therefore due to the safety concerns of performing core rig delineation within the vicinity of the wellhead and tanks, it is preferred to wait until after the decommissioning of the facility, which the requested will allow. This should alleviate a number of safety concerns within the battery and near the wellhead, as well as allow for further delineation below the tanks.

Thank you,



From: Sent:	Andrea Felix <andrea_felix@eogresources.com> Monday, February 14, 2022 5:16 PM</andrea_felix@eogresources.com>
то:	Hamlet, Robert, EMNRD
Cc:	Artesia Regulatory; Chase Settle; Yvette Moore; Katie Jamison
Subject:	Characterization Extension Request- Roy SWD #3 nAPP2123047534
Attachments:	Roy SWD #3_nAPP2123047534_Characterization Extension Request_2022-02-14.pdf

Dear Mr. Robert Hamlet:

EOG Resources, Inc. is requesting an EXTENSION for submittal of the Characterization Plan for the below referenced site due to unavoidable delays in securing reputable consultants and contractors during the month of January to complete the activities necessary for delineation activity, analysis of the results and drafting of the characterization and remediation plan.

This Extension Request is being submitted for an additional 30 days to complete further horizontal and vertical delineation in the areas where core rig sampling will not be required, and to complete the drafting of the Remediation Plan which will be submitted for approval by NMOCD.

Roy SWD #3 P-7-19S-25E Eddy County, NM Incident #NAPP2123047534

The enclosed extension request details activities taken to date on the site, as well as the circumstances that have led to the extension request. Also enclosed is sampling data and maps for the activities to date.

Respectfully,

Andrea Felix Regulatory & Tribal Relations Manager EOG Resources, Inc. Office: (575)748-4196 Cell: (575)703-1267 Andrea Felix@eogresources.com



From: Sent:	Hamlet, Robert, EMNRD <robert.hamlet@state.nm.us> Tuesday, February 15, 2022 12:52 PM</robert.hamlet@state.nm.us>
To:	Andrea Felix
Cc:	Artesia Regulatory; Chase Settle; Yvette Moore; Katie Jamison; Bratcher, Mike, EMNRD; Hensley, Chad, EMNRD; Velez, Nelson, EMNRD; Nobui, Jennifer, EMNRD
Subject:	(Extension Denied) Roy SWD #3 nAPP2123047534

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Andrea,

On November 18th, the OCD approved an extension with the following timeline.

Your request for an extension to February 14th, 2022 is approved. Following OCD timelines is extremely important in remediating releases. These timelines have been set in place to protect human health and the environment. The OCD not understanding the severity of a release could impact groundwater, rivers, ponds, etc.. Due to the depth of contaminants at this site, this will be the only extension granted for this incident. A remediation plan including full delineation should be uploaded to OCD payment portal by February 14th, 2022.

Your request for another extension is **denied**. Please include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet • Environmental Specialist - Advanced Environmental Bureau EMNRD - Oil Conservation Division 811 S. First Street | Artesia, NM 88210 575.909.0302 | robert.hamlet@state.nm.us http://www.emnrd.state.nm.us/OCD/



From: Andrea Felix <Andrea_Felix@eogresources.com>
Sent: Monday, February 14, 2022 4:16 PM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>
Cc: Artesia Regulatory <Artesia_Regulatory@eogresources.com>; Chase Settle <Chase_Settle@eogresources.com>;
Yvette Moore <Yvette_Moore@eogresources.com>; Katie Jamison <Katie_Jamison@eogresources.com>
Subject: [EXTERNAL] Characterization Extension Request- Roy SWD #3 nAPP2123047534

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Dear Mr. Robert Hamlet:

EOG Resources, Inc. is requesting an EXTENSION for submittal of the Characterization Plan for the below referenced site due to unavoidable delays in securing reputable consultants and contractors during the month of January to complete the activities necessary for delineation activity, analysis of the results and drafting of the characterization and remediation plan.

This Extension Request is being submitted for an additional 30 days to complete further horizontal and vertical delineation in the areas where core rig sampling will not be required, and to complete the drafting of the Remediation Plan which will be submitted for approval by NMOCD.

Roy SWD #3 P-7-19S-25E Eddy County, NM Incident #NAPP2123047534

The enclosed extension request details activities taken to date on the site, as well as the circumstances that have led to the extension request. Also enclosed is sampling data and maps for the activities to date.

Respectfully,

Andrea Felix Regulatory & Tribal Relations Manager EOG Resources, Inc. Office: (575)748-4196 Cell: (575)703-1267 Andrea Felix@eogresources.com



Received by OCD: 3/16/2022 4:08:19 PM State of New Mexico

Oil Conservation Division

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

Incident ID	nAPP2123045734
District RP	
Facility ID	
Application ID	

Remediation Plan

Detailed description of proposed remediation technique Scaled sitemap with GPS coordinates showing delineation points \boxtimes 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. Title: <u>Rep Safety & Environmental Sr</u> Printed Name: Chase Settle Signature: Chase Settle Date: 03/16/2022 Telephone: 575-748-1471 email: Chase Settle@eogresources.com **OCD Only** Robert Hamlet Date: 9/13/2022 Received by: Approved X Approved with Attached Conditions of Approval Denied Deferral Approved Robert Hamlet 9/13/2022 Signature: Date:

Page 5

Released to Imaging: 9/13/2022 3:05:29 PM

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

Page 323 of 323 CONDITIONS

Action 90872

CONDITIONS

Operator:	OGRID:			
EOG RESOURCES INC	7377			
P.O. Box 2267	Action Number:			
Midland, TX 79702	90872			
	Action Type:			
	[C-141] Release Corrective Action (C-141)			
CONDITIONS				
Created By Condition	Condition			

		Date
rhamlet	The Remediation Plan is Conditionally Approved. The geosynthetic clay liner at 6 feet below ground surface is approved under the circumstance that as much contaminated soil is safely removed as possible. The excavations should be backfilled to 6 feet below surface with clean material, liner installed, and then backfilled to surface with clean material. Soil sample areas TH-A test excavation and TH-5 should be included in the process. All off pad areas must contain a minimum of 4 feet non-waste containing uncontaminated, earthen material with chloride concentrations less than 600 mg/kg and less than 100 mg/kg for TPH. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Confirmation samples should be collected every 200 ft2. A closure report will need to be completed and uploaded within 90 days.	