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### SITE CHARACTERIZATION AND PROPOSED REMEDIATION PLAN

JUDSON AUU STATE COM #2 UNIT O, SECTION 26, TOWNSHIP 10S, RANGE 34E LEA COUNTY, NEW MEXICO 33.412582, -103.432854 RANGER REFERENCE NO. 5375

**PREPARED FOR:** 

EOG RESOURCES, INC. ARTESIA DIVISION 105 S 4TH STREET ARTESIA, NEW MEXICO 88210

PREPARED BY:

RANGER ENVIRONMENTAL SERVICES, INC. P.O. BOX 201179 AUSTIN, TEXAS 78720

AUGUST 8, 2022

Max Cook, CAPM (TX) Senior Project Manager

William Kierdorf, REM Project Manager

#### TABLE OF CONTENTS

1.0	SITE LOCATION AND BACKGROUND	1
2.0	SITE CHARACTERIZATION	2
2.1	Depth-to-Groundwater	2
2.2	Wellhead Protection Area	2
2.3	Distance to Nearest Significant Watercourse	3
2.4	Closure Criteria	3
3.0	SITE IMPACT AND CHARACTERIZATION ASSESSMENTS (June 2021 - May 2022)	3
3.1	Initial Site Assessment (June 22 & 23, 2021)	3
3.2	Additional Site Assessment (July 14, 2021)	4
3.3	Site Assessment Sample Results	5
3.4	Soil Boring/Temporary Monitor Well Installation (May 2022)	5
4.0	PROPOSED REMEDIATION PLAN	5
4.1	Impacted Soil Excavation	5
4.2	Excavated Material Management, Backfill, and Re-Vegetation	6
4.3	Remediation Schedule	7
5.0	SITE CLOSURE	7

#### FORM C-141

#### FIGURES

- Topographic Map
- Area Map
- National Wetland Inventory Map
- Karst Topography Map
- Assessment Sample Location Map
- Proposed Excavation Area Map
- Proposed Confirmation Sample Location Map

#### TABLES

- Soil BTEX (EPA 8260), TPH (EPA 8015) & Chloride (EPA 300) Analytical Data
- Field Screening Summary Table

#### ATTACHMENTS

- Attachment 1 Soil Boring/Temporary Monitor Well "SB-1" Boring Log
- Attachment 2 Photographic Documentation
- Attachment 3 Laboratory Analytical Reports



#### SITE CHARACTERIZATION AND PROPOSED REMEDIATION PLAN JUDSON AUU STATE COM #2 UNIT O, SECTION 26, TOWNSHIP 10S, RANGE 34E EDDY COUNTY, NEW MEXICO 33.412582, -103.432854 RANGER REFERENCE NO. 5375

#### 1.0 SITE LOCATION AND BACKGROUND

The Judson AUU State Com #2 (Site) is an oil and gas well location historically operated by EOG Resources, Inc. (EOG). The Site reportedly supported an oil/gas well and a tank battery noted to be surrounded by an earthen berm. The on-site well has been plugged and abandoned and the associated facility has been decommissioned and removed from the Site. The Site is located approximately 12.5 miles northwest of Tatum, within Lea County, New Mexico. The facility is situated in Unit O, Section 26, T10S-R34E at GPS coordinates 33.412582, -103.432854.

On September 7, 2017, a release was discovered originating from a hole on the bottom of an aboveground storage tank located at the Site. Approximately 26 barrels of condensate were estimated to be released. Due to the location of the release within the tank battery, all released fluids were noted to be within the tank battery containment area. The incident was reported to the New Mexico Oil Conservation Division (NMOCD) on September 27, 2017 (NMOCD Incident 1RP-4826).

Initial response efforts included the dispatching of an emergency vacuum truck; however, upon arrival no fluids were available for recovery. Initial removal operations were completed within the impact area. On November 7, 2017, a Characterization Plan was submitted to the NMOCD which included details of the release, proposed assessment actions, and proposed treatment and reuse of impacted material at the Site. On March 27, 2018, a Remediation Work Plan was prepared and submitted to the NMOCD to address the impacts at the Site. Initial response from the NMCOD regarding the proposed remedial plan requested that additional assessment activities and review of the site characterization details be performed. On July 26, 2018, the NMOCD approved the remedial strategy as presented by EOG, with conditions of a modified site ranking and RRALs. In December 2018, representatives for EOG conducted additional assessment as well as removal and sampling activities at the Site; however, proper documentation and a closure request were not completed and submitted to the NMOCD.

In a desire to complete remediation efforts to the current release criteria, EOG engaged Ranger Environmental Services, Inc. (Ranger) in June 2021 to assist in the outstanding assessment and remediation efforts at the Site.

To assess the historic impact area and determine the appropriate site characterization details, assessment operations were conducted from June 2021 to May 2022. This report has been prepared to provide full site characterization and assessment details and to propose remedial strategies to address the impacts associated with the release incident.

STATE OF TEXAS PROFESSIONAL GEOSCIENTIST FIRM NO. 50140 • STATE OF TEXAS PROFESSIONAL ENGINEERING FIRM NO. F-6160

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

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

#### 2.0 SITE CHARACTERIZATION

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

To determine the depth-to-groundwater in the vicinity of the Site, data available from the U.S. Geological Survey (USGS) and the New Mexico Office of the State Engineer (NMOSE) was reviewed. Based upon the reviewed information, recent water well information within a half mile of the Site is limited.

Due to the lack of area groundwater data, a soil boring/temporary monitor well was installed at the Site in May 2022 in order to obtain the site-specific depth-to-groundwater information. On May 16, 2022, representatives for GHD oversaw HCI drilling install the soil boring/temporary monitor well at approximate GPS coordinates 33.412612, -103.432885 to maximum depth of approximately 56 feet below ground surface (bgs) utilizing air rotary drilling techniques. Once the boring was completed, a two-inch diameter temporary monitor well was installed. The temporary monitor well was allowed to equilibrate for four days and was then gauged with a Solinst water level meter on May 20, 2022. The temporary monitor well was found to contain water at a depth of 36.48 feet bgs. To confirm the accuracy of encountered groundwater levels, the temporary monitor well was again gauged on May 27, 2022, and was found to contain water at a depth of approximately 33.57 feet bgs. Upon completion of the gauging activities on May 27, 2022, the temporary monitor well was properly plugged and abandoned.

Based upon the GHD depth-to-groundwater investigation results and the reviewed NMOSE information, the depth-to-groundwater in the area of the Site is believed to be less than 50 feet bgs.

A copy of the soil boring/temporary monitor well boring log is attached.

#### 2.2 <u>Wellhead Protection Area</u>

Based upon the USGS and NMOSE information, no known water sources were identified within a half-mile of the Site. It should be noted that the temporary monitor well installed at the site was completed for investigation purposes, was not utilized as a water source, and has been properly plugged and abandoned.

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

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

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



#### 2.3 Distance to Nearest Significant Watercourse

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

#### 2.4 <u>Closure Criteria</u>

Based upon the Site characterization details, the Site will be remediated to Table 1 19.15.29.12 NMAC (groundwater >50' feet) criteria. Additionally, the remediation activities will be completed to bring the surface to four-foot depth interval into compliance with the Restoration, Reclamation and Re-Vegetation criteria detailed in 19.15.29.13 NMAC. The proposed closure criteria are detailed below:

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

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

1. 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.

#### 3.0 SITE IMPACT AND CHARACTERIZATION ASSESSMENTS (June 2021 – May 2022)

#### 3.1 Initial Site Assessment (June 22 & 23, 2021)

On June 22, 2021, Ranger personnel mobilized to the Site to conduct a precursory review of the impact/excavation area at the Site. Upon arrival at the Site, Ranger reviewed and documented the extent of the completed excavation. Upon inspection, the Site excavation was noted to have dimensions of approximately 27 feet by 12 feet and was completed to depths varying from one to four and one-half feet bgs. The excavated material generated during these initial response efforts was noted to be removed from the Site. During the inspection process, Ranger personnel field screened soils from various locations in the excavated area using an organic vapor monitor (OVM) and a field chloride titration kit to assist in evaluating the soil conditions and/or levels of impacts in the area. Field OVM readings at the Site indicated that hydrocarbon impacts were still present



at various locations within the excavated area. Field chloride readings indicated that soil chloride concentrations were within the most stringent Table 1 Criteria.

Based on the conditions documented at the Site, it was determined that additional assessment and delineation efforts were warranted. On June 23, 2021, Ranger personnel and representatives of EOG returned to the Site to conduct additional assessment activities. Utilizing earth moving equipment (backhoe), an initial test excavation was completed in the base of the excavation area in an attempt to vertically delineate the observed impacts in the area. Additionally, test excavation trenches were completed into the excavation sidewalls in each cardinal direction to assist in the horizontal delineation of impacts in the area. During the assessment process Ranger personnel once again collected field OVM and chloride readings to assist in evaluating the level of impacts and to identify appropriate sample locations. Due to the lithology at the Site, further assessment of multiple locations was limited. Within the excavation, the depth of investigation was limited to approximately 12 feet bgs, where field OVM readings indicated that elevated soil concentrations were still present. Along the northern wall of the excavation, elevated soil concentrations were observed and documented; however, due to the presence of production equipment in the area, additional trenching assessment could not safely be completed. During the assessment process, soil samples for laboratory analysis were collected from the test excavation locations. It should be noted, due to field readings collected along the north wall of the excavation and Site constraints limiting the ability to complete additional assessment further north, no additional samples were collected from the area.

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

Upon review of the laboratory analytical results collected during the June 2021 assessment activities, it was determined that additional assessment operations were necessary at the Site.

#### 3.2 Additional Site Assessment (July 14, 2021)

On July 14, 2022, Ranger personnel and representatives for EOG returned to the Site to conduct additional assessment operations utilizing equipment more capable of conducting assessment within the Site lithology (track hoe).

Based on the results of the samples collected from the test excavation completed in the base of the excavated area, an additional test excavation was completed to a depth of approximately 22 feet bgs, which was the maximum extent of the on-site equipment.

At the time of the July 14, 2022 assessment activities, the production equipment located immediately north of the excavated area, that limited assessment activities during the July 2021 activities had been removed making the area available for assessment. Thus, an excavation test trench was completed at the location.

During the assessment process, soil samples were collected from each test excavation area for laboratory analysis. Upon collection the samples were submitted to Hall Environmental Laboratory, Inc. in Albuquerque, New Mexico for analysis of TPH, BTEX, and total chloride using the aforementioned laboratory methods. The samples were collected and managed using standard QA/QC and chain-of-custody procedures.



#### 3.3 <u>Site Assessment Sample Results</u>

Upon review of the sample results collected during the initial assessment process, additional vertical delineation assessment was necessary. Additionally, due to the lack of NMOCD acceptable depth-to-groundwater information, confirmation of the appropriate NMAC 19.15.29.12 Table 1 Criteria was needed.

#### 3.4 Soil Boring/Temporary Monitor Well Installation (May 2022)

In May 2022, a soil boring/temporary monitor well was installed at the Site for the purpose of completing vertical delineation of the impacts and to obtain site-specific depth-to-groundwater information.

On May 16, 2022, representatives for GHD oversaw HCI Drilling install a soil boring/temporary monitor well at approximate GPS coordinates 33.412612 -103.432885. Utilizing air rotary drilling techniques, the soil boring was completed to a maximum depth of approximately 56 feet bgs. During the installation process, GHD personnel assessed the generated soil cuttings for lithologic composition and for evidence of hydrocarbon impacts. During the installation process, soil samples for laboratory analysis were collected from various encountered depth intervals. A total of four soil samples were collected for laboratory analysis. Upon collection, the soil samples were submitted to Hall Environmental Laboratory, Inc. in Albuquerque, New Mexico for analysis of TPH, BTEX, and total chloride using the aforementioned laboratory methods.

Upon completion of the boring installation process, the boring was converted into a two-inch diameter temporary monitor well. As detailed above, the monitor well was allowed to equilibrate and investigated for the presence of water on May 20, 2022 and May 27, 2022, and was found to contain water. Upon completion of the gauging activities on May 27, 2022, the temporary monitor well was properly plugged and abandoned.

Based on review of the laboratory analytical results for the samples collected by GHD personnel during the installation of the soil boring/temporary monitor well, the vertical delineation of impacts at the Site were successfully completed. The sample collected at a depth of approximately 30 feet bgs was documented to have concentrations within the applicable Table 1 Criteria.

#### 4.0 PROPOSED REMEDIATION PLAN

#### 4.1 Impacted Soil Excavation

To address the elevated soil concentrations documented at the Site, soil removal operations are proposed. Due to the depth of observed impacts at the Site being greater than 20 feet and internal EOG policies, an excavation plan stamped by a professional engineer (P.E.) is necessary. Coordination with an appropriate party capable of preparing a P.E. approved plan has been completed and finalization of the plan is currently pending.

Based on the observed conditions at the Site, it is anticipated that the impact area has dimensions of approximately 40 feet long and 27 feet wide and will require excavation to depths of approximately 26 to 30 feet bgs. Based on previously completed engineered plans for similar remediation projects, it is anticipated that an area approximately 215 feet by 198 feet will be necessary to allow for proper benching and shoring requirements. The extent of the anticipated



boundaries of the benching and shoring areas will include removal efforts of non-impacted areas or areas that have concentrations below the applicable Table 1 Criteria.

In order to allow for the segregation of impacted and non-impacted material, the excavation will be completed in approximate five foot lifts. Initial excavation of each five foot lift will be completed within the main impact area and will have dimensions of approximately 40 feet by 27 feet to a depth of five feet below ground surface. During the soil removal process, Ranger personnel will field screen the excavated areas using an organic vapor monitor (OVM) and a field chloride titration kit. The field screening results will be utilized to guide the excavation process and assist in determining when the excavation side walls (lateral boundaries) appear to meet applicable NMAC 19.15.29.12 Table 1 Criteria. Upon reaching appropriate lateral boundaries, confirmation soil samples will be collected from the excavation side walls for laboratory analysis in accordance with NMAC 19.15.29.12 (D) as five-part composite samples representing no more than 200 square feet. Upon laboratory confirmation that the side wall samples are within the applicable Table 1 Criteria, excavation of soils will be completed outside the main excavation within the required benching and shoring area. All material excavated from this benching/shoring area will be segregated and stockpiled on-site for re-use as backfill. This excavation process will be continued in five foot lifts as detailed above until the vertical extent of contamination has been remediated, which Ranger anticipates to be an appropriate depth interval of 26 to 30 feet bgs. Upon reaching the terminal depth of the excavation area, grab soil samples are proposed to be collected from various locations within the excavation floor to confirm attainment of the applicable NMAC 19.15.29.12 Table 1 Criteria.

Upon collection, the composite sample parts will be placed into a new Ziplock® bag, thoroughly mixed, and a sample for laboratory analysis will be collected from the mixture. The cleanup confirmation soil samples will be collected using standard QA/QC procedures, placed into laboratory-supplied containers, and will be immediately placed into a sample shuttle containing ice. All confirmation soil samples will be transported to an approved laboratory for analysis of TPH using EPA Method 8015; BTEX using EPA Method 8021; and, total chloride using EPA Method 300.

A *Proposed Excavation Area Map* depicting the anticipated excavation boundaries is attached. It should be noted that the depicted boundaries are pending the P.E. approved excavation plan. A *Proposed Confirmation Sample Location Map* depicting the proposed excavation base grab sample locations is attached.

#### 4.2 Excavated Material Management, Backfill, and Re-Vegetation

Based on the anticipated dimensions of the P.E. approved excavation plan, it is believed that approximately 15,000-20,000 cubic yards of material will be generated during the excavation activities at the Site. Of this estimated volume, it is anticipated that approximately 1,500 cubic yards will be removed from the impact area for disposal purposes. The generated excavated material documented or anticipated to be impacted beyond the applicable NMAC 19.15.29.12 Table 1 Criteria will be transported off-site for disposal at an approved disposal facility.

Upon attainment of the 19.15.29.13 NMAC Reclamation Criteria, the excavated area will be backfilled utilizing the material generated during the benching and shoring activities outside of the impacted area. The remaining portions of the excavation will be backfilled with imported clean fill material in accordance with NMAC 19.15.29.13.



Re-vegetation efforts at the Site will be completed in conjunction with the remaining decommissioning and reclamation efforts for the former well pad location.

#### 4.3 <u>Remediation Schedule</u>

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

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

#### 5.0 SITE CLOSURE

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



## **FORM C-141**

### State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011

Page 11 of 80

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

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#### Operator/Responsible Party,

The OCD has received the form C-141 you provided on \_9/25/2017\_ regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number \_1RP-4826\_ has been assigned. Please refer to this case number in all future correspondence.

It is the Division's obligation under both the Oil & Gas Act and Water Quality Act to provide for the protection of public health and the environment. Our regulations (19.15.29.11 NMAC) state the following,

The responsible person shall complete <u>division-approved corrective action</u> for releases that endanger public health or the environment. The responsible person shall address releases in accordance with a remediation plan submitted to and approved by the division or with an abatement plan submitted in accordance with 19.15.30 NMAC. [emphasis added]

Release characterization is the first phase of corrective action unless the release is ongoing or is of limited volume and all impacts can be immediately addressed. Proper and cost-effective remediation typically cannot occur without adequate characterization of the impacts of any release. Furthermore, the Division has the ability to impose reasonable conditions upon the efforts it oversees. As such, the Division is requiring a workplan for the characterization of impacts associated with this release be submitted to the OCD District \_1\_ office in \_\_Hobbs\_\_\_\_ on or before \_10/27/2017\_. If and when the release characterization workplan is approved, there will be an associated deadline for submittal of the resultant investigation report. Modest extensions of time to these deadlines may be granted, but only with acceptable justification.

The goals of a characterization effort are: 1) determination of the lateral and vertical extents along with the magnitude of soil contamination. 2) determine if groundwater or surface waters have been impacted. 3) If groundwater or surface waters have been impacted, what are the extents and magnitude of that impact. 4) The characterization of any other adverse impacts that may have occurred (examples: impacts on vegetation, impacts on wildlife, air quality, loss of use of property, etc.). To meet these goals as quickly as possible, the following items must, at a minimum, be addressed in the release characterization workplan and subsequent reporting:

• Horizontal delineation of soil impacts in each of the four cardinal compass directions. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C<sub>6</sub> thru C<sub>36</sub>), and for chloride by Method 300. This is not an exclusive list of potential contaminants. Analyzed parameters should be modified based on the nature of the released substance(s). Soil sampling must be both within the impacted area and beyond.

• Vertical delineation of soil impacts. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C<sub>6</sub> thru C<sub>36</sub>), and for chloride by Method 300. As above, this is not an exclusive list of potential contaminants and can be modified. Vertical characterization samples should be taken at depth intervals no greater than five feet apart. Lithologic description of encountered soils must also be provided. At least ten vertical feet of soils with contaminant concentrations at or below these values must be demonstrated as existing above the water table.

• Nominal detection limits for field and laboratory analyses must be provided.

• Composite sampling is not generally allowed.

• Field screening and assessment techniques are acceptable (headspace, titration, EC [include algorithm for validation purposes], EM, etc.), but the sampling and assay procedures must be clearly defined. Copies of field notes are highly desirable. A statistically significant set of split samples must be submitted for confirmatory laboratory analysis, including the laterally farthest and vertically deepest sets of soil samples. Make sure there are at least two soil samples submitted

for laboratory analysis from each borehole or test pit (highest observed contamination and deepest depth investigated). Copies of the actual laboratory results must be provided including chain of custody documentation.

•Probable depth to shallowest protectable groundwater and lateral distance to nearest surface water. If there is an estimate of groundwater depth, the information used to arrive at that estimate must be provided. If there is a reasonable assumption that the depth to protectable water is 50 feet or less, the responsible party should anticipate the need for at least one groundwater monitoring well to be installed in the area of likely maximum contamination.

• If groundwater contamination is encountered, an additional investigation workplan may be required to determine the extents of that contamination. Groundwater and/or surface water samples, if any, must be analyzed by a competent laboratory for volatile organic hydrocarbons (typically Method 8260 full list), total dissolved solids, pH, major anions and cations including chloride and sulfate, dissolved iron, and dissolved manganese. The investigation workplan must provide the groundwater sampling method(s) and sample handling protocols. To the fullest extent possible, aqueous analyses must be undertaken using nominal method detection limits. As with the soil analyses, copies of the actual laboratory results must be provided including chain of custody documentation.

• Accurately scaled and well-drafted site maps must be provided providing the location of borings, test pits, monitoring wells, potentially impacted areas, and significant surface features including roads and site infrastructure that might limit either the release characterization or remedial efforts. Field sketches may be included in subsequent reporting, but should not be considered stand-alone documentation of the site's layout. Digital photographic documentation of the location and fieldwork is recommended, especially if unusual circumstances are encountered.

Nothing herein should be interpreted to preclude emergency response actions or to imply immediate remediation by removal cannot proceed as warranted. Nonetheless, characterization of impacts and confirmation of the effectiveness of remedial efforts must still be provided to the OCD before any release incident will be closed.

Jim Griswold OCD Environmental Bureau Chief 1220 South St. Francis Drive Santa Fe, New Mexico 87505 505-476-3465 jim.griswold@state.nm.us Received by OCD: 8/24/2022 1:06:02 PM Form C-141 State of New Mexico

Oil Conservation Division

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Incident ID	nOY1727031593
District RP	1RP-4826
Facility ID	
Application ID	

Page 14 of 80

### 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>~33-36' (ft bgs)</u>
Did this release impact groundwater or surface water?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🗌 Yes 🛛 No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🛛 No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	🗌 Yes 🛛 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	🗌 Yes 🛛 No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a wetland?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🛛 No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🛛 No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	🗌 Yes 🛛 No

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

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

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data

Page 3

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

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.

<b>Received by OCD: 8/24/20</b> Form C-141 Page 4	22 1:06:02 PM State of New Mexico Oil Conservation Divis		Incident ID District RP	Page 15 of nOY1727031593 1RP-4826
			Facility ID Application ID	
regulations all operators are public health or the environm failed to adequately investig addition, OCD acceptance of and/or regulations. Printed Name: <u>Chase S</u> Signature: <u>Chase S</u>	rmation given above is true and complete required to report and/or file certain releas ment. The acceptance of a C-141 report by ate and remediate contamination that pose f a C-141 report does not relieve the opera Settle Settle Deogresources.com	se notifications and perform c y the OCD does not relieve th e a threat to groundwater, surf ator of responsibility for comp	corrective actions for release operator of liability shace water, human health bliance 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 OCD: 8/24/2022 1:06:02 PM Form C-121 State of New Mexico

Oil Conservation Division

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

Page 16 of 80

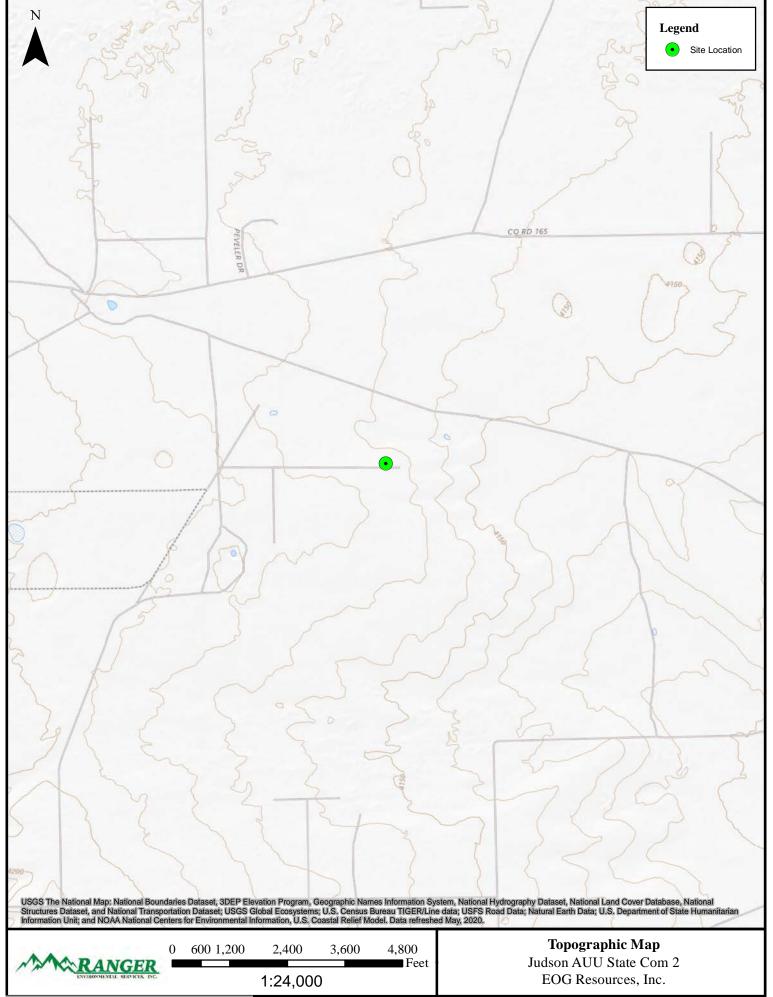
Incident ID	nOY1727031593
District RP	1RP-4826
Facility ID	
Application ID	

### **Remediation Plan**

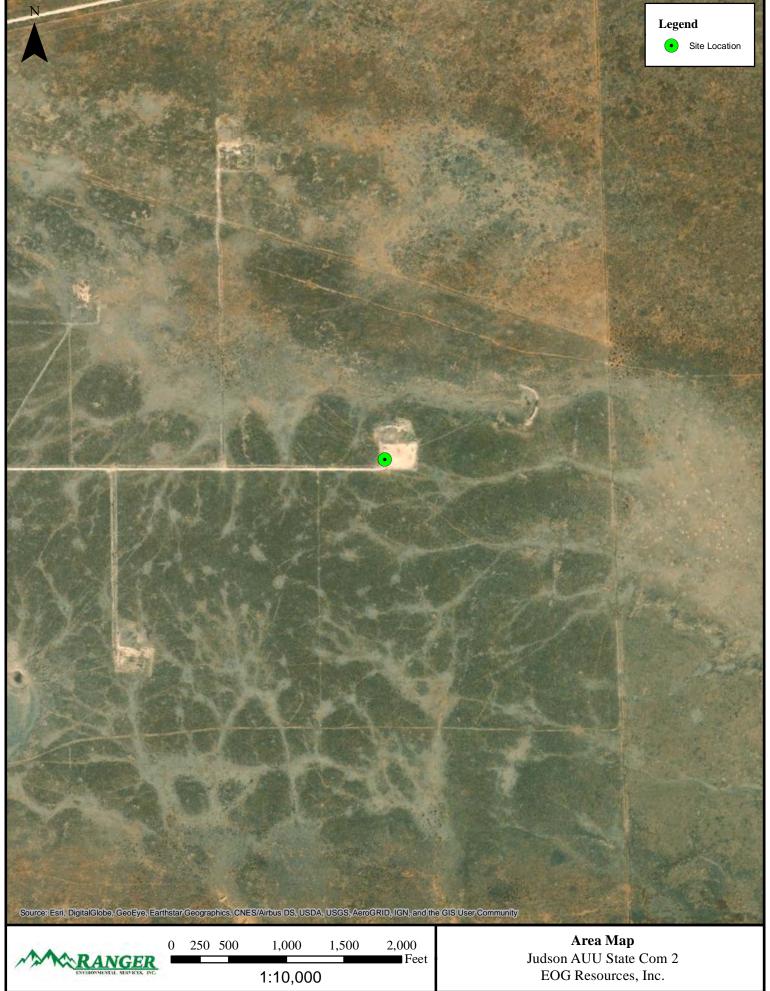
Detailed description of proposed remediation technique Scaled sitemap with GPS coordinates showing delineation points Estimated volume of material to be remediated Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC Proposed schedule for remediation (note if remediation plan 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. Title: <u>Rep Safety & Environmental Sr</u> Printed Name: Chase Settle Signature: Chase Settle Date: 08/10/2022 Telephone: 575-748-1471 email: Chase\_Settle@eogresources.com **OCD Only** \_\_\_\_\_ Date: \_\_\_ Received by: Approved Approved with Attached Conditions of Approval Denied Deferral Approved Bradford Billings Date: 8/24/2022 Signature:

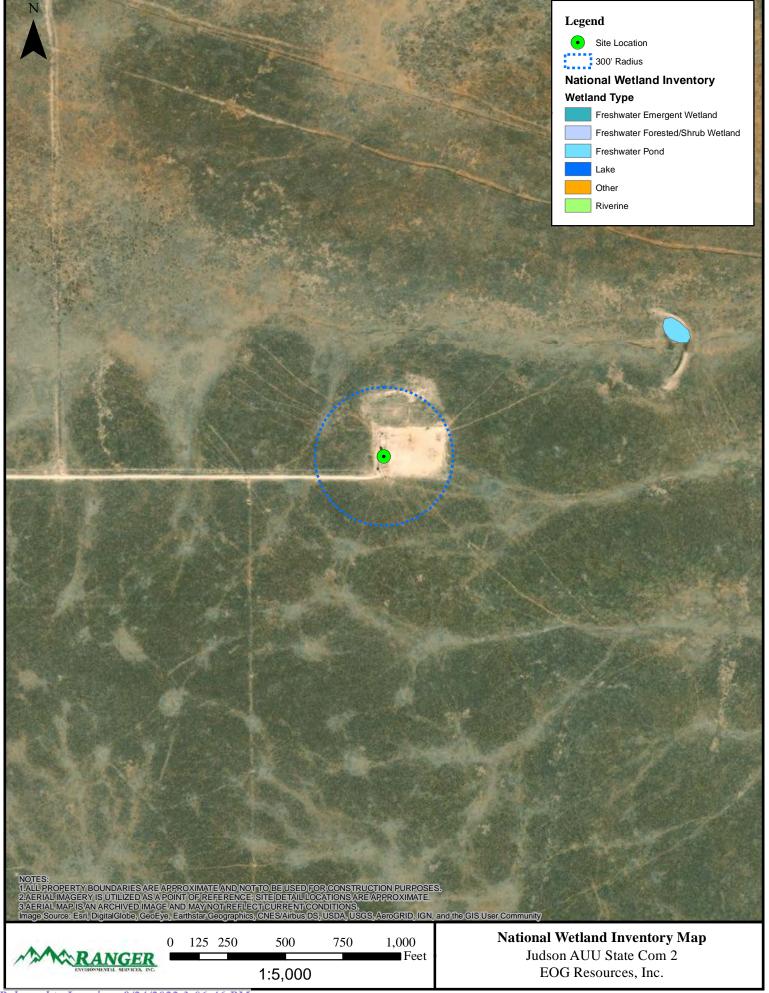
## **FIGURES**

Topographic Map Area Map National Wetland Inventory Map Karst Topography Map Assessment Sample Location Map Proposed Excavation and Sample Location Map

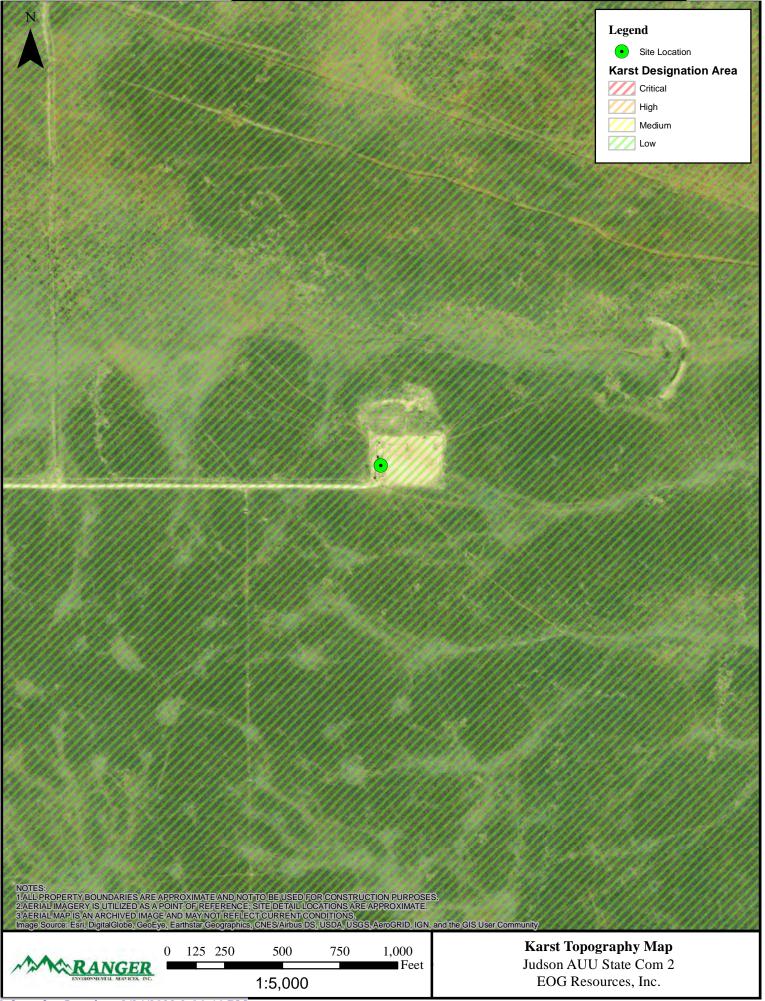


Released to Imaging: 8/24/2022 3:06:46 PM





Released to Imaging: 8/24/2022 3:06:46 PM



*Received by OCD: 8/24/2022 1:06:02 PM* 

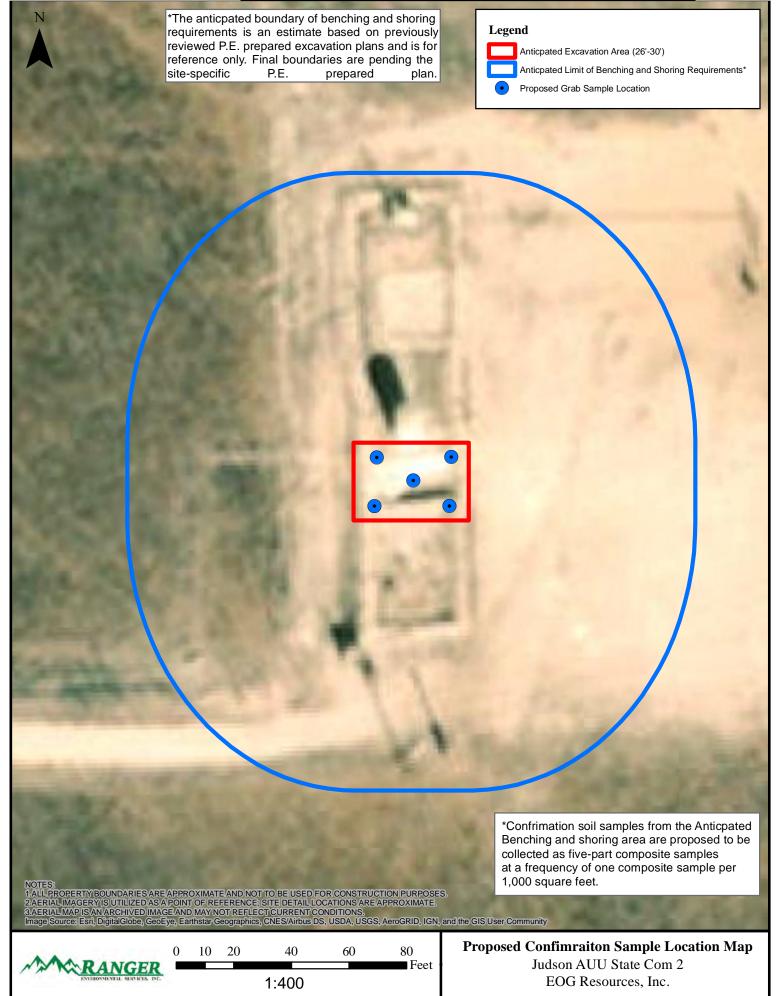


Released to Imaging: 8/24/2022 3:06:46 PM









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# TABLES

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

Field Screening Summary Table

Released to Imaging: 8/24/2022 3:06:46 PM

						AUU STATE ( NTY, NEW MI							
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)	CHLORIE
tial Soil Samples: June 23 2021						LI							
Base/5'	6/23/2021	5'	<0.12	<0.24	0.29	15	15.29	300	2,400	610	2,700	3,310	<60
Base/7'	6/23/2021	7'	<0.49	<0.97	<0.97	44	44	720	1,500	<460	2,220	2,220	<60
Base/9'	6/23/2021	9'	<0.48	<0.95	<0.95	36	36	710	1,800	<450	2,510	2,510	<60
Base/12'	6/23/2021	12'	<0.48	1.7	3.8	380	385.5	4,200	3,800	<990	8,000	8,000	<59
		<i></i>	0.004		0.040	0.000				50			
W.1/2'	6/23/2021	2'	<0.024	<0.048	<0.048	<0.096	<0.216	<4.8	<9.9	<50	<14.7	<64.7	<60
W.1/5'	6/23/2021	5'	<0.023	<0.047	<0.047	<0.094	<0.211	<4.7	<9.6	<48	<14.3	<62.3	<60
S.3/2'	6/23/2021	2'	<0.024	<0.047	< 0.047	<0.094	<0.212	<4.7	<9.1	<46	<13.8	<59.8	<60
S.3/4'	6/23/2021	4'	<0.024	<0.048	<0.048	<0.096	<0.216	<4.8	<10	<51	<14.8	<65.8	<59
\$.3/5'	6/23/2021	5'	<0.024	<0.048	<0.048	<0.097	<0.217	<4.8	<8.8	<44	<13.6	<57.6	<60
E.2/2'	6/23/2021	2'	<0.024	<0.049	<0.049	<0.097	<0.219	<4.9	16	<47	16	16	<59
E.2/4'	6/23/2021	4'	<0.024	<0.049	<0.049	<0.097	<0.219	<4.9	<9.9	<49	<14.8	<63.8	<61
E.1/5'	6/23/2021	5'	<0.024	<0.048	<0.048	<0.097	<0.217	<4.8	<9.3	<46	<14.1	<60.1	<60
il Samples: July 14, 2021													
N.2/2'	7/14/2021	2'	<0.025	<0.049	<0.049	<0.099	<0.222	<4.9	<9.6	<48	<14.5	<62.5	<60
N.2/4'	7/14/2021	4'	<0.024	<0.047	<0.047	< 0.095	<0.213	<4.7	<9.4	<47	<14.1	<61.1	<59
N.2/5'	7/14/2021	5'	<0.024	<0.048	<0.048	< 0.095	<0.215	<4.8	<9.6	<48	<14.4	<62.4	<60
Base/16'	7/14/2021	16'	<0.49	33	12	330	375	3,900	3,300	<460	7,200	7,200	<60
Base/19'	7/14/2021	19'	<1.2	36	21	240	297	2,600	2,800	<480	5,400	5,400	<60
Base/22'	7/14/2021	22'	1.2	56	32	290	379.2	3,200	2,900	<490	6,100	6,100	<60
il Boring Samples: May 16, 2022 (	-		1	1	1			1	1		P		
SB-1 (22')	5/16/2022	22'	<0.12	<0.24	<0.24	1.1	1.1	43	1,200	<44	1,243	1,243	<60
SB-1 (25')	5/16/2022	25'	<0.12	1.7	3.1	29	33.8	350	740	<46	1,090	1,090	74
SB-1 (30')	5/16/2022	30' 35'	<0.12 <0.12	<0.24	<0.24	<0.49	<1.09 <1.05	<24 <23	<10 <10	<50 <47	<84 <80	<84 <80	<60 <60
SB-1 (35')	5/16/2022	35	<0.12	<0.23	<0.23	<0.47	<1.05	<23	<10	<47	<80	<80	<60
15.29.12 NMAC Table 1 Closure C a Release (GW		mpacted by	10				50					100	600
19.15.29.13 NMAC Recla	mation Criteria		10 <sup>3</sup>				50 <sup>3</sup>					100 <sup>3</sup>	600

4. NA - Not Analyzed

.

•

FIELD SCREENING SUMMARY TABLE EOG RESOURCES, INC. JUDSON AUU STATE COM 2											
Sample Location ID	Date	Depth (ft-bgs)	Field Chloride Reading (mg/Kg)	OVM Reading (ppm <sub>v</sub> )	Sample Collected for Lab Analysis						
	6/23/2022	5'		1,834	X						
	6/23/2022	6'	150	2,556							
	6/23/2022	7'		2,506	Х						
	6/23/2022	8'	150	1,509							
	6/23/2022	9'		1,507	Х						
5	6/23/2022	11'		1,653							
Base	6/23/2022	12'		1,280	Х						
	7/14/2021	13'		1,671							
	7/14/2021	14'		1,755							
	7/14/2021	15'		1,581							
	7/14/2021	16'		1,621	X						
	7/14/2021	19'		1,599	Х						
	7/14/2021	22'		1,546	Х						
	0/00/0004	0		<b>547</b>	r						
N	6/23/2021	2'		517							
Ν	6/23/2021	4'		599							
	6/23/2021	5'		3,067							
	7/4 4/0004	0		0.4	r						
N 4	7/14/2021	2'		0.1							
N.1	7/14/2021	4'		23							
	7/14/2021	5'		1,737							
	7/14/2021	2'	150	3.7	Х						
N.2	7/14/2021	4'	150	2.5	X						
11.2	7/14/2021	5'	150	10.4	X						
	7/14/2021	5	150	10.4	~						
	6/23/2021	2'		28.5							
E.1	6/23/2021	4'		14.1							
<b>_</b>	6/23/2021	5'		10.7	Х						
	0/20/2021	0		10.1	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~						
	6/23/2021	2'		7.1	Х						
E.2	6/23/2021	4'		4.9	X						
	0.20,2021	•	<u> </u>								
	6/23/2021	2'		102							
S.1	6/23/2021	4'		858							
	6/23/2021	5'		2,100							
		-		-,	•						
	6/23/2021	2'		17.1							
S.2	6/23/2021	4'		32							
	6/23/2021	5'		155.4							
	6/23/2021	2'		2.8	Х						
S.3	6/23/2021	4'		2.2	Х						
	6/23/2021	5'		2.2	Х						
	6/23/2021	2'		218							
W	6/23/2021	4'		<5,000							
	6/23/2021	5'		<5,000							
				-	1						
W.1	6/23/2021	2'		2.2	X						
	6/23/2021	5'		2.5	Х						

## ATTACHMENT 1 – SOIL BORING/TEMPORARY MONITOR WELL "SB-1" BORING LOG

GHD	STRATIGRAPHIC A (O)	ISTRU URDEI		TATIC	N LOG				Page	1 of 2
PROJEC	CT NAME: Judson AUU State Com #2	HOLE D	ESIGNA	ATION:	SB-1					
PROJEC	CT NUMBER: 12579880	DATE C	OMPLE	TED: 16	May 2022					
CLIENT:	EOG Resources	DRILLIN	IG METI	HOD: Air	Rotary/Split S	Spoons	and C	uttings	5	
LOCATIO	ON: Lea County, New Mexico	FIELD P	ERSON	INEL: L.I	Mullins					
DRILLIN	G CONTRACTOR: HCI Drilling	 DRILLEF	R: K. C	ooper						
DEPTH	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH	M	ONITORIN	IG WELL			SAMF	PLE	
ft BGS		BGS				L H	VAL	(%)	g)	TOTAL TPH (mg/kg)
			F	7		NUMBER	INTERVAL	REC (%)	CHLORIDE (mg/kg)	TAL mg/k
		 				z	Ż	2	5	P P
-	Stratigraphy not recorded									
-2										
4										
-6										
-8										
-4 -6 -10 -12 -14 -16 -20 -22 -24										
- 12										
- 14										
- 16										
18										
- 20										
						22			<60	810
-22	SP-SAND, fine to medium grained sand, with	22.00								
- 24	beds of caliche interbedded throughout, light brown, dry, odor					25			74	1100
	- with clay, slightly moist, odor at 24.00ft BGS									
26										
- 28		 28.00								
	CLS-SANDY CLAY, orangish brown to dark brown, dry					30'			<60	<50
- 30										
- 32										
_								-		
- 34						35	1		<60	<47
- 36										
-										
- 38										
- 40		40.00								
	SP-SAND, fine to medium grained sand, light brown, dry									
-42										
- 44										
-	CLS-SANDY CLAY, grey to brown, slightly moist	 45.00								
- 46	OLO-ONING FOLM I, GIEV TO DIOWIL, SIIGHTY HIOIST				– 7" Ø Borehole					
-				-						
ļ	NOTES: CHEMICAL ANALYSIS									

GHD (OVERE		IMENTATION LOG N)				Page	2 of 2
PROJECT NAME: Judson AUU State Com #2 PROJECT NUMBER: 12579880 CLIENT: EOG Resources	DATE C	DESIGNATION: SB-1 OMPLETED: 16 May 2022 IG METHOD: Air Rotary/Split S	poons	and C	utting	S	
OCATION: Lea County, New Mexico DRILLING CONTRACTOR: HCI Drilling		PERSONNEL: L. Mullins R: K. Cooper					
DEPTH STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH BGS	MONITORING WELL			SAMF		I
			NUMBER	INTERVAL	REC (%)	CHLORIDE (mg/kg)	TOTAL TPH (mg/kg)
50       END OF BOREHOLE @ 55.82ft BGS         54       END OF BOREHOLE @ 55.82ft BGS         58       60         62       64         66       66         67       74         76       74         76       78         80       88         82       84         86       90         92       94         Temp Well Gauged on May 20, 2022, DTW was 36.44 was 33.57 feet below ground surface. The well was Prochemical contractions of the set	55.82	WELL DETAILS         Screened interval:         45.82 to 55.82ft BGS         Length:       10ft         Diameter:       2in         NOTE:         This well was plugged and abandoned. Plugged on 5/27/2022					
NOTES: Temp Well Gauged on May 20, 2022, DTW was 36.48 was 33.57 feet below ground surface. The well was Pr CHEMICAL ANALYSIS			 22 the <sup>-</sup>	well wa	 as aga	ain gaug	ged DTV

# ATTACHMENT 2 – PHOTOGRAPHIC DOCUMENTATION



PHOTOGRAPH NO. 1 – A general view of the excavation area at the Site on June 22, 2021. The view is towards the northwest.

(Approximate GPS: 33.412585, -103.432814)



PHOTOGRAPH NO. 2 – A view of the assessment test excavation being completed in the base of the excavation area on June 23, 2021. The view is towards the east. (Approximate GPS: 33.412613, -103.432865)



PHOTOGRAPH NO. 3 – A general view of the assessment activities along the northern wall of the excavated area on July 14, 2021. The view is towards the west.



PHOTOGRAPH NO. 4 – A view of the additional assessment activities in the base of the excavation area on July 14, 2021. The view is towards the south.

## ATTACHMENT 3 – LABORATORY ANALYTICAL REPORTS



July 06, 2021

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

RE: Judson AUU Sate Com 2

OrderNo.: 2106D68

Hall Environmental Analysis Laboratory

TEL: 505-345-3975 FAX: 505-345-4107

Website: clients.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 12 sample(s) on 6/25/2021 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** 

### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2106D68

Date Reported: 7/6/2021

CLIENT: EOG				ample II					
Project:Judson AUU Sate Com 2Lab ID:2106D68-001	Collection Date: 6/23/2021 11:54:00 Al           Matrix: SOIL         Received Date: 6/25/2021 7:30:00 AM								
Analyses	Result	RL		Units		Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS						Analyst	: VP		
Chloride	ND	60		mg/Kg	20	7/1/2021 7:13:23 PM	61040		
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS					Analyst	SB		
Diesel Range Organics (DRO)	2400	47		mg/Kg	5	7/1/2021 4:17:37 PM	60965		
Motor Oil Range Organics (MRO)	610	240		mg/Kg	5	7/1/2021 4:17:37 PM	60965		
Surr: DNOP	106	70-130		%Rec	5	7/1/2021 4:17:37 PM	60965		
EPA METHOD 8015D: GASOLINE RAN	GE					Analyst	: mb		
Gasoline Range Organics (GRO)	300	24		mg/Kg	5	7/1/2021 9:19:00 PM	60961		
Surr: BFB	133	70-130	S	%Rec	5	7/1/2021 9:19:00 PM	60961		
EPA METHOD 8021B: VOLATILES						Analyst	: mb		
Benzene	ND	0.12		mg/Kg	5	7/1/2021 9:19:00 PM	60961		
Toluene	ND	0.24		mg/Kg	5	7/1/2021 9:19:00 PM	60961		
Ethylbenzene	0.29	0.24		mg/Kg	5	7/1/2021 9:19:00 PM	60961		
Xylenes, Total	15	0.48		mg/Kg	5	7/1/2021 9:19:00 PM	60961		
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	5	7/1/2021 9:19:00 PM	60961		

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 17

## Hall Environmental Analysis Laboratory, Inc.

Lab Order 2106D68

Date Reported: 7/6/2021

CLIENT: EOG				ample II					
Project:Judson AUU Sate Com 2Lab ID:2106D68-002	Matrix: SOIL	Collection Date: 6/23/2021 11:56:00           Matrix: SOIL         Received Date: 6/25/2021 7:30:00 A							
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS						Analyst	: VP		
Chloride	ND	60		mg/Kg	20	7/1/2021 7:25:48 PM	61040		
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS					Analyst	SB		
Diesel Range Organics (DRO)	1500	93		mg/Kg	10	7/1/2021 3:16:20 PM	60965		
Motor Oil Range Organics (MRO)	ND	460	D	mg/Kg	10	7/1/2021 3:16:20 PM	60965		
Surr: DNOP	41.3	70-130	S	%Rec	10	7/1/2021 3:16:20 PM	60965		
EPA METHOD 8015D: GASOLINE RANG	GE					Analyst	: mb		
Gasoline Range Organics (GRO)	720	97		mg/Kg	20	7/1/2021 9:39:00 PM	60961		
Surr: BFB	130	70-130	S	%Rec	20	7/1/2021 9:39:00 PM	60961		
EPA METHOD 8021B: VOLATILES						Analyst	: mb		
Benzene	ND	0.49	D	mg/Kg	20	7/1/2021 9:39:00 PM	60961		
Toluene	ND	0.97	D	mg/Kg	20	7/1/2021 9:39:00 PM	60961		
Ethylbenzene	ND	0.97	D	mg/Kg	20	7/1/2021 9:39:00 PM	60961		
Xylenes, Total	44	1.9		mg/Kg	20	7/1/2021 9:39:00 PM	60961		
Surr: 4-Bromofluorobenzene	136	70-130	SD	%Rec	20	7/1/2021 9:39:00 PM	60961		

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 17

## Hall Environmental Analysis Laboratory, Inc.

Lab Order 2106D68

Date Reported:	7/6/2021
----------------	----------

CLIENT: EOG		Cl	ient S	ample II	D: Ba	ase/9'				
<b>Project:</b> Judson AUU Sate Com 2	Collection Date: 6/23/2021 11:58:00 AM									
Lab ID: 2106D68-003	Matrix: SOIL	Matrix: SOIL         Received Date: 6/25/2021 7:30:00								
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS						Analyst	: VP			
Chloride	ND	60		mg/Kg	20	7/1/2021 7:38:13 PM	61040			
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS					Analyst	SB			
Diesel Range Organics (DRO)	1800	91		mg/Kg	10	7/1/2021 3:04:02 PM	60966			
Motor Oil Range Organics (MRO)	ND	450	D	mg/Kg	10	7/1/2021 3:04:02 PM	60966			
Surr: DNOP	0	70-130	S	%Rec	10	7/1/2021 3:04:02 PM	60966			
EPA METHOD 8015D: GASOLINE RANG	GE					Analyst	mb			
Gasoline Range Organics (GRO)	710	95		mg/Kg	20	7/1/2021 10:59:00 PM	60962			
Surr: BFB	129	70-130		%Rec	20	7/1/2021 10:59:00 PM	60962			
EPA METHOD 8021B: VOLATILES						Analyst	mb			
Benzene	ND	0.48	D	mg/Kg	20	7/1/2021 10:59:00 PM	60962			
Toluene	ND	0.95	D	mg/Kg	20	7/1/2021 10:59:00 PM	60962			
Ethylbenzene	ND	0.95	D	mg/Kg	20	7/1/2021 10:59:00 PM	60962			
Xylenes, Total	36	1.9		mg/Kg	20	7/1/2021 10:59:00 PM	60962			
Surr: 4-Bromofluorobenzene	139	70-130	SD	%Rec	20	7/1/2021 10:59:00 PM	60962			

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 3 of 17

## Hall Environmental Analysis Laboratory, Inc.

Lab Order 2106D68

Date Reported: 7/6/2021

CLIENT: EOG Project: Judson AUU Sate Com 2	Client Sample ID: Base/12' Collection Date: 6/23/2021 12:00:00 PM						
Lab ID:         2106D68-004	Matrix: SOIL	· · ·				5/2021 7:30:00 AM	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: VP
Chloride	ND	59		mg/Kg	20	7/1/2021 8:15:27 PM	61040
EPA METHOD 8015M/D: DIESEL RANGI	E ORGANICS					Analyst	SB
Diesel Range Organics (DRO)	3800	200		mg/Kg	20	7/1/2021 4:29:58 PM	60966
Motor Oil Range Organics (MRO)	ND	990	D	mg/Kg	20	7/1/2021 4:29:58 PM	60966
Surr: DNOP	0	70-130	S	%Rec	20	7/1/2021 4:29:58 PM	60966
EPA METHOD 8015D: GASOLINE RANG	Ε					Analyst	: mb
Gasoline Range Organics (GRO)	4200	97		mg/Kg	20	7/1/2021 11:19:00 PM	60962
Surr: BFB	803	70-130	S	%Rec	20	7/1/2021 11:19:00 PM	60962
EPA METHOD 8021B: VOLATILES						Analyst	: mb
Benzene	ND	0.48		mg/Kg	20	7/1/2021 11:19:00 PM	60962
Toluene	1.7	0.97		mg/Kg	20	7/1/2021 11:19:00 PM	60962
Ethylbenzene	3.8	0.97		mg/Kg	20	7/1/2021 11:19:00 PM	60962
Xylenes, Total	380	9.7		mg/Kg	100	7/2/2021 12:05:00 PM	60962
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	20	7/1/2021 11:19:00 PM	60962

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 4 of 17

## Hall Environmental Analysis Laboratory, Inc.

Lab Order 2106D68

Date Reported: 7/6/2021

CLIENT: EOG Project: Judson AUU Sate Com 2	Client Sample ID: W.1/2' Collection Date: 6/23/2021 4:25:00 PM						
Lab ID: 2106D68-005	Matrix: SOIL		<b>Received Dat</b>	<b>e:</b> 6/2	25/2021 7:30:00 AM		
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	: VP	
Chloride	ND	60	mg/Kg	20	7/1/2021 8:27:51 PM	61040	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	BRM	
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	6/29/2021 12:46:53 PM	60966	
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	6/29/2021 12:46:53 PM	60966	
Surr: DNOP	83.7	70-130	%Rec	1	6/29/2021 12:46:53 PM	60966	
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	: mb	
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/1/2021 11:39:00 PM	60962	
Surr: BFB	112	70-130	%Rec	1	7/1/2021 11:39:00 PM	60962	
EPA METHOD 8021B: VOLATILES					Analyst	: mb	
Benzene	ND	0.024	mg/Kg	1	7/1/2021 11:39:00 PM	60962	
Toluene	ND	0.048	mg/Kg	1	7/1/2021 11:39:00 PM	60962	
Ethylbenzene	ND	0.048	mg/Kg	1	7/1/2021 11:39:00 PM	60962	
Xylenes, Total	ND	0.096	mg/Kg	1	7/1/2021 11:39:00 PM	60962	
Surr: 4-Bromofluorobenzene	92.3	70-130	%Rec	1	7/1/2021 11:39:00 PM	60962	

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 5 of 17

## Hall Environmental Analysis Laboratory, Inc.

Lab Order 2106D68

Date Reported: 7/6/2021

CLIENT: EOG Project: Judson AUU Sate Com 2	Client Sample ID: W.1/5' Collection Date: 6/23/2021 4:27:00 PM							
Lab ID: 2106D68-006	Matrix: SOIL					25/2021 7:30:00 AM		
Analyses	Result	RL	Qual U	nits	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS						Analyst	: VP	
Chloride	ND	60	rr	ng/Kg	20	7/1/2021 8:40:17 PM	61040	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	BRM	
Diesel Range Organics (DRO)	ND	9.6	rr	ng/Kg	1	6/29/2021 1:11:07 PM	60966	
Motor Oil Range Organics (MRO)	ND	48	rr	ng/Kg	1	6/29/2021 1:11:07 PM	60966	
Surr: DNOP	82.6	70-130	%	6Rec	1	6/29/2021 1:11:07 PM	60966	
EPA METHOD 8015D: GASOLINE RANGE						Analyst	: mb	
Gasoline Range Organics (GRO)	ND	4.7	rr	ng/Kg	1	7/1/2021 11:59:00 PM	60962	
Surr: BFB	97.3	70-130	%	6Rec	1	7/1/2021 11:59:00 PM	60962	
EPA METHOD 8021B: VOLATILES						Analyst	: mb	
Benzene	ND	0.023	rr	ng/Kg	1	7/1/2021 11:59:00 PM	60962	
Toluene	ND	0.047	rr	ng/Kg	1	7/1/2021 11:59:00 PM	60962	
Ethylbenzene	ND	0.047	rr	ng/Kg	1	7/1/2021 11:59:00 PM	60962	
Xylenes, Total	ND	0.094	rr	ng/Kg	1	7/1/2021 11:59:00 PM	60962	
Surr: 4-Bromofluorobenzene	90.1	70-130	%	6Rec	1	7/1/2021 11:59:00 PM	60962	

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 6 of 17

## Hall Environmental Analysis Laboratory, Inc.

Lab Order 2106D68

Date Reported: 7/6/2021

CLIENT: EOG	Client Sample ID: S.3/2'								
Project: Judson AUU Sate Com 2	<b>Collection Date:</b> 6/23/2021 3:35:00 PM								
Lab ID: 2106D68-007	Matrix: SOIL		Received Date	<b>e:</b> 6/2	5/2021 7:30:00 AM				
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analyst	: VP			
Chloride	ND	60	mg/Kg	20	7/1/2021 8:52:42 PM	61040			
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst	BRM			
Diesel Range Organics (DRO)	ND	9.1	mg/Kg	1	6/29/2021 1:35:18 PM	60966			
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	6/29/2021 1:35:18 PM	60966			
Surr: DNOP	84.0	70-130	%Rec	1	6/29/2021 1:35:18 PM	60966			
EPA METHOD 8015D: GASOLINE RANG	GE				Analyst	: mb			
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	7/2/2021 12:19:00 AM	60962			
Surr: BFB	94.8	70-130	%Rec	1	7/2/2021 12:19:00 AM	60962			
EPA METHOD 8021B: VOLATILES					Analyst	: mb			
Benzene	ND	0.024	mg/Kg	1	7/2/2021 12:19:00 AM	60962			
Toluene	ND	0.047	mg/Kg	1	7/2/2021 12:19:00 AM	60962			
Ethylbenzene	ND	0.047	mg/Kg	1	7/2/2021 12:19:00 AM	60962			
Xylenes, Total	ND	0.094	mg/Kg	1	7/2/2021 12:19:00 AM	60962			
Surr: 4-Bromofluorobenzene	88.9	70-130	%Rec	1	7/2/2021 12:19:00 AM	60962			

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 7 of 17

## Hall Environmental Analysis Laboratory, Inc.

Lab Order 2106D68

Date Reported: 7/6/2021

CLIENT: EOG Project: Judson AUU Sate Com 2	Client Sample ID: S.3/4' Collection Date: 6/23/2021 3:37:00 PM						
Lab ID: 2106D68-008	Matrix: SOIL		Received Date	<b>e:</b> 6/2	25/2021 7:30:00 AM		
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	: VP	
Chloride	ND	59	mg/Kg	20	7/1/2021 9:05:06 PM	61040	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	BRM	
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	6/29/2021 1:59:29 PM	60966	
Motor Oil Range Organics (MRO)	ND	51	mg/Kg	1	6/29/2021 1:59:29 PM	60966	
Surr: DNOP	84.7	70-130	%Rec	1	6/29/2021 1:59:29 PM	60966	
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	: mb	
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/2/2021 12:38:00 AM	60962	
Surr: BFB	96.9	70-130	%Rec	1	7/2/2021 12:38:00 AM	60962	
EPA METHOD 8021B: VOLATILES					Analyst	: mb	
Benzene	ND	0.024	mg/Kg	1	7/2/2021 12:38:00 AM	60962	
Toluene	ND	0.048	mg/Kg	1	7/2/2021 12:38:00 AM	60962	
Ethylbenzene	ND	0.048	mg/Kg	1	7/2/2021 12:38:00 AM	60962	
Xylenes, Total	ND	0.096	mg/Kg	1	7/2/2021 12:38:00 AM	60962	
Surr: 4-Bromofluorobenzene	89.9	70-130	%Rec	1	7/2/2021 12:38:00 AM	60962	

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 17

## Hall Environmental Analysis Laboratory, Inc.

Lab Order 2106D68

Date Reported: 7/6/2021

CLIENT: EOG	Client Sample ID: S.3/5'								
Project: Judson AUU Sate Com 2	<b>Collection Date:</b> 6/23/2021 3:39:00 PM								
Lab ID: 2106D68-009	Matrix: SOIL		Received Dat	<b>e:</b> 6/2	25/2021 7:30:00 AM				
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analyst	: VP			
Chloride	ND	60	mg/Kg	20	7/1/2021 9:17:31 PM	61040			
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	BRM			
Diesel Range Organics (DRO)	ND	8.8	mg/Kg	1	6/29/2021 2:23:42 PM	60966			
Motor Oil Range Organics (MRO)	ND	44	mg/Kg	1	6/29/2021 2:23:42 PM	60966			
Surr: DNOP	84.7	70-130	%Rec	1	6/29/2021 2:23:42 PM	60966			
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	: mb			
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/2/2021 12:58:00 AM	60962			
Surr: BFB	93.1	70-130	%Rec	1	7/2/2021 12:58:00 AM	60962			
EPA METHOD 8021B: VOLATILES					Analyst	t: mb			
Benzene	ND	0.024	mg/Kg	1	7/2/2021 12:58:00 AM	60962			
Toluene	ND	0.048	mg/Kg	1	7/2/2021 12:58:00 AM	60962			
Ethylbenzene	ND	0.048	mg/Kg	1	7/2/2021 12:58:00 AM	60962			
Xylenes, Total	ND	0.097	mg/Kg	1	7/2/2021 12:58:00 AM	60962			
Surr: 4-Bromofluorobenzene	89.0	70-130	%Rec	1	7/2/2021 12:58:00 AM	60962			

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 9 of 17

## Hall Environmental Analysis Laboratory, Inc.

Lab Order 2106D68

LIENT: EOG Client Sample ID: E.2/2'									
<b>Project:</b> Judson AUU Sate Com 2	Collection Date: 6/23/2021 3:41:00 PM								
Lab ID: 2106D68-010	Matrix: SOIL		<b>Received Dat</b>	e: 6/2	25/2021 7:30:00 AM				
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analyst	: VP			
Chloride	ND	59	mg/Kg	20	7/1/2021 9:29:56 PM	61040			
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	BRM			
Diesel Range Organics (DRO)	16	9.3	mg/Kg	1	6/29/2021 2:48:07 PM	60966			
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	6/29/2021 2:48:07 PM	60966			
Surr: DNOP	78.0	70-130	%Rec	1	6/29/2021 2:48:07 PM	60966			
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	mb			
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/2/2021 1:18:00 AM	60962			
Surr: BFB	97.3	70-130	%Rec	1	7/2/2021 1:18:00 AM	60962			
EPA METHOD 8021B: VOLATILES					Analyst	mb			
Benzene	ND	0.024	mg/Kg	1	7/2/2021 1:18:00 AM	60962			
Toluene	ND	0.049	mg/Kg	1	7/2/2021 1:18:00 AM	60962			
Ethylbenzene	ND	0.049	mg/Kg	1	7/2/2021 1:18:00 AM	60962			
Xylenes, Total	ND	0.097	mg/Kg	1	7/2/2021 1:18:00 AM	60962			
Surr: 4-Bromofluorobenzene	90.6	70-130	%Rec	1	7/2/2021 1:18:00 AM	60962			

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

Page 10 of 17

## Hall Environmental Analysis Laboratory, Inc.

Lab Order 2106D68

Date Reported: 7/6/2021

CLIENT: EOG	Client Sample ID: E.2/4'								
<b>Project:</b> Judson AUU Sate Com 2	<b>Collection Date:</b> 6/23/2021 3:43:00 PM								
Lab ID: 2106D68-011	Matrix: SOIL		Received Dat	<b>e:</b> 6/2	25/2021 7:30:00 AM				
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analyst	: VP			
Chloride	ND	61	mg/Kg	20	7/1/2021 9:42:21 PM	61040			
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	BRM			
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	6/29/2021 3:12:23 PM	60966			
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	6/29/2021 3:12:23 PM	60966			
Surr: DNOP	77.6	70-130	%Rec	1	6/29/2021 3:12:23 PM	60966			
EPA METHOD 8015D: GASOLINE RANG	E				Analyst	: mb			
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/2/2021 2:38:00 AM	60962			
Surr: BFB	99.4	70-130	%Rec	1	7/2/2021 2:38:00 AM	60962			
EPA METHOD 8021B: VOLATILES					Analyst	: mb			
Benzene	ND	0.024	mg/Kg	1	7/2/2021 2:38:00 AM	60962			
Toluene	ND	0.049	mg/Kg	1	7/2/2021 2:38:00 AM	60962			
Ethylbenzene	ND	0.049	mg/Kg	1	7/2/2021 2:38:00 AM	60962			
Xylenes, Total	ND	0.097	mg/Kg	1	7/2/2021 2:38:00 AM	60962			
Surr: 4-Bromofluorobenzene	94.4	70-130	%Rec	1	7/2/2021 2:38:00 AM	60962			

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 11 of 17

## Hall Environmental Analysis Laboratory, Inc.

Lab Order 2106D68

Date Reported: 7/6/2021

CLIENT: EOG			ient Sample II			
<b>Project:</b> Judson AUU Sate Com 2		(	Collection Dat	<b>e:</b> 6/2	23/2021 3:45:00 PM	
Lab ID: 2106D68-012	Matrix: SOIL         Received Date: 6/25/2021 7:30:00 AN				25/2021 7:30:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	VP
Chloride	ND	60	mg/Kg	20	7/1/2021 9:54:45 PM	61040
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	BRM
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	6/29/2021 3:36:47 PM	60966
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	6/29/2021 3:36:47 PM	60966
Surr: DNOP	83.1	70-130	%Rec	1	6/29/2021 3:36:47 PM	60966
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	mb
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/2/2021 3:17:00 AM	60962
Surr: BFB	94.2	70-130	%Rec	1	7/2/2021 3:17:00 AM	60962
EPA METHOD 8021B: VOLATILES					Analyst	mb
Benzene	ND	0.024	mg/Kg	1	7/2/2021 3:17:00 AM	60962
Toluene	ND	0.048	mg/Kg	1	7/2/2021 3:17:00 AM	60962
Ethylbenzene	ND	0.048	mg/Kg	1	7/2/2021 3:17:00 AM	60962
Xylenes, Total	ND	0.097	mg/Kg	1	7/2/2021 3:17:00 AM	60962
Surr: 4-Bromofluorobenzene	88.9	70-130	%Rec	1	7/2/2021 3:17:00 AM	60962

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 17

06-Jul-21

Page 48 of 80

Client: Project:	EOG Judson A	AUU Sate C	om 2								
Sample ID: ME	61040	SampTy	/pe: <b>ME</b>	BLK	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID: PB	S	Batch	ID: 61	040	F	RunNo: <b>7</b> 9	9497				
Prep Date: 6/	30/2021	Analysis Da	ate: 7/	1/2021	S	SeqNo: 27	796246	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID: LC	S-61040	SampTy	/pe: <b>LC</b>	S	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID: LC	SS	Batch	ID: 61	040	F	RunNo: <b>7</b> 9	9497				
Prep Date: 6/	30/2021	Analysis Da	ate: 7/	1/2021	S	SeqNo: 27	796247	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	95.8	90	110			

Qualifiers:

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

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

Page 13 of 17

Page	<b>49</b>	of	80
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	WO#:	2106D68	
poratory, Inc.		06-Jul-21	

Client: EOG Project: Judson	n AUU Sate Co	m 2								
Sample ID: LCS-60965	SampTyp	be: <b>LC</b>	S	Tes	Code: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batch I	D: 609	965	R	unNo: 7	9472				
Prep Date: 6/28/2021	Analysis Dat	te: 6/2	29/2021	S	eqNo: 2	793936	Units: mg/k	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO) Surr: DNOP	44 3.6	10	50.00 5.000	0	87.9 72.5	68.9 70	141 130			
Sample ID: LCS-60966	SampTyp	SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch I	D: 609	966	R	unNo: 7	9472				
Prep Date: 6/28/2021	Analysis Dat	te: 6/2	29/2021	S	eqNo: 2	793937	Units: mg/k	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO) Surr: DNOP	44 3.7	10	50.00 5.000	0	88.9 74.8	68.9 70	141 130			
Sample ID: MB-60965	SampTyp	be: ME	BLK	Tes	Code: El	PA Method	8015M/D: Die	esel Range	e Organics	
	Campiye									
Client ID: PBS	Batch I			R	unNo: 7			-	· g	
		D: 609	965		unNo: 7 SeqNo: 2	9472	Units: <b>mg/k</b>	(g		
Client ID: PBS	Batch II Analysis Dat	D: 609	965 29/2021		eqNo: 2	9472	Units: <b>mg/k</b> HighLimit	<b>(g</b> %RPD	RPDLimit	Qual
Client ID: <b>PBS</b> Prep Date: <b>6/28/2021</b> Analyte Diesel Range Organics (DRO)	Batch II Analysis Dat Result ND	D: 609 te: 6/2 PQL 10	965 29/2021	S	eqNo: 2	9472 793938	-	-	-	Qual
Client ID: <b>PBS</b> Prep Date: <b>6/28/2021</b> Analyte	Batch II Analysis Dat Result	D: <b>60</b> 9 te: <b>6/</b> 2 PQL	965 29/2021	S	eqNo: 2	9472 793938	-	-	-	Qual
Client ID: <b>PBS</b> Prep Date: <b>6/28/2021</b> Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO)	Batch II Analysis Dat Result ND ND	D: 609 te: 6/2 PQL 10 50	<b>29/2021</b> SPK value 10.00	SPK Ref Val	eqNo: 2 %REC 77.0	9472 793938 LowLimit 70	HighLimit	%RPD	RPDLimit	Qual
Client ID: <b>PBS</b> Prep Date: <b>6/28/2021</b> Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP	Batch II Analysis Dat Result ND ND 7.7	D: 609 te: 6/2 PQL 10 50	29/2021 SPK value 10.00	SPK Ref Val	eqNo: 2 %REC 77.0	9472 793938 LowLimit 70 PA Method	HighLimit	%RPD	RPDLimit	Qual
Client ID: <b>PBS</b> Prep Date: <b>6/28/2021</b> Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: <b>MB-60966</b>	Batch II Analysis Dat Result ND ND 7.7 SampTyp	D: 609 te: 6/2 PQL 10 50 De: ME	29/2021 SPK value 10.00 BLK 2966	SPK Ref Val Test	eqNo: 2 %REC 77.0	9472 793938 LowLimit 70 PA Method 9472	HighLimit	%RPD	RPDLimit	Qual
Client ID: <b>PBS</b> Prep Date: <b>6/28/2021</b> Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: <b>MB-60966</b> Client ID: <b>PBS</b>	Batch II Analysis Dat Result ND ND 7.7 SampTyp Batch II Analysis Dat	D: 609 te: 6/2 PQL 10 50 De: ME	29/2021 SPK value 10.00 BLK 29/2021	SPK Ref Val Test	eqNo: 2 %REC 77.0 Code: El cunNo: 7 SeqNo: 2	9472 793938 LowLimit 70 PA Method 9472	HighLimit 130 8015M/D: Die	%RPD	RPDLimit	Qual
Client ID: <b>PBS</b> Prep Date: <b>6/28/2021</b> Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: <b>MB-60966</b> Client ID: <b>PBS</b> Prep Date: <b>6/28/2021</b>	Batch II Analysis Dat Result ND ND 7.7 SampTyp Batch II Analysis Dat	D: 609 te: 6/2 10 50 De: ME D: 609 te: 6/2	29/2021 SPK value 10.00 BLK 29/2021	SPK Ref Val Tesi R S	eqNo: 2 %REC 77.0 Code: El cunNo: 7 eqNo: 2	9472 793938 LowLimit 70 PA Method 9472 793939	HighLimit 130 8015M/D: Die Units: mg/K	%RPD	RPDLimit	

#### 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:** 

**Project:** 

Sample ID: mb-60961

Client ID: PBS

# QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc

SampType: MBLK

Batch ID: 60961

Judson AUU Sate Com 2

Inc.	WO#:	2106D68 06-Jul-21
TestCode: EPA Method 8015D: Gasoline Range		
RunNo: <b>79532</b>		
SeqNo: 2796799 Units: mg/Kg		

• • • • • • • • • • • • • • • • • • • •			
Prep Date: 6/28/2021	Analysis Date: 7/1/2021	SeqNo: 2796799	Units: <b>mg/Kg</b>
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Gasoline Range Organics (GRO) Surr: BFB	ND 5.0 920 1000	92.3 70	130
Sample ID: mb-60962	SampType: MBLK	TestCode: EPA Method	l 8015D: Gasoline Range
Client ID: PBS	Batch ID: 60962	RunNo: 79532	
Prep Date: 6/28/2021	Analysis Date: 7/1/2021	SeqNo: 2796800	Units: <b>mg/Kg</b>
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Gasoline Range Organics (GRO) Surr: BFB	ND 5.0 990 1000	99.1 70	130
Sample ID: Ics-60961	SampType: LCS	TestCode: EPA Method	8015D: Gasoline Range
Client ID: LCSS	Batch ID: 60961	RunNo: 79532	
Prep Date: 6/28/2021	Analysis Date: 7/1/2021	SeqNo: 2796801	Units: <b>mg/Kg</b>
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Gasoline Range Organics (GRO)	26 5.0 25.00	0 104 78.6	131
Surr: BFB	1100 1000	108 70	130
Sample ID: Ics-60962	SampType: LCS	TestCode: EPA Method	8015D: Gasoline Range
Client ID: LCSS	Batch ID: 60962	RunNo: 79532	
Prep Date: 6/28/2021	Analysis Date: 7/1/2021	SeqNo: 2796802	Units: <b>mg/Kg</b>
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Gasoline Range Organics (GRO)	24 5.0 25.00	0 95.3 78.6	131
Surr: BFB	1100 1000	110 70	130
Sample ID: mb-60981	SampType: MBLK	TestCode: EPA Method	l 8015D: Gasoline Range
Client ID: PBS	Batch ID: 60981	RunNo: 79563	
Prep Date: 6/28/2021	Analysis Date: 7/2/2021	SeqNo: 2798482	Units: %Rec
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Surr: BFB	970 1000	96.7 70	130
Sample ID: Ics-60981	SampType: LCS	TestCode: EPA Method	8015D: Gasoline Range
Client ID: LCSS	Batch ID: 60981	RunNo: 79563	
Prep Date: 6/28/2021	Analysis Date: 7/2/2021	SeqNo: 2798484	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

Page 15 of 17

	WO#:	2106D68
ratory, Inc.		06-Jul-21

Client: EOG										
Project: Judso	on AUU Sate C	Com 2								
Sample ID: mb-60961	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: PBS	Batch	n ID: 609	961	F	RunNo: 7	9532				
Prep Date: 6/28/2021	Analysis D	Date: 7/	1/2021	S	SeqNo: 2	796853	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	0.90		1.000		90.1	70	130			
Sample ID: mb-60962	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: PBS	Batch	n ID: 609	962	F	RunNo: <b>7</b> 9	9532				
Prep Date: 6/28/2021	Analysis D	Date: 7/	1/2021	ŝ	SeqNo: 2	796854	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	0.93		1.000		92.9	70	130			
Sample ID: Ics-60961	SampT	ype: LC	S	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Batch	n ID: 609	961	F	RunNo: <b>7</b> 9	9532				
Prep Date: 6/28/2021	Analysis D	Date: 7/	1/2021	S	SeqNo: 2	796855	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.025	1.000	0	97.5	80	120			
Toluene	0.99	0.050	1.000	0	98.6	80	120			
Ethylbenzene	1.0	0.050	1.000	0	101	80	120			
Xylenes, Total	3.1	0.10	3.000	0	102	80	120			
Surr: 4-Bromofluorobenzene	0.93		1.000		93.2	70	130			
Sample ID: Ics-60962	SampT	ype: LC	S	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Batch	n ID: 609	962	F	RunNo: <b>7</b> 9	9532				
Prep Date: 6/28/2021	Analysis D	Date: 7/	1/2021	S	SeqNo: 2	796856	Units: mg/k	٢g		
Analyte	Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	91.1	80	120			
Toluene	0.91	0.050	1.000	0	91.4	80	120			
Ethylbenzene	0.93	0.050	1.000	0	93.5	80	120			
Xylenes, Total	2.8	0.10	3.000	0	93.8	80	120			
Surr: 4-Bromofluorobenzene	0.92		1.000		91.8	70	130			

#### Qualifiers:

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

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- E Value above quantitation range
- J Analyte detected below quantitation limits
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# QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: Project:	EOG Judson	AUU Sate Co	m 2								
Sample ID: I	mb-60981	SampTyp	e: <b>M</b>	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: I	PBS	Batch I	D: 60	981	F	RunNo: 7	9563				
Prep Date:	6/28/2021	Analysis Dat	e: 7	/2/2021	S	SeqNo: 2	798540	Units: %Rec	;		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromo	ofluorobenzene	0.93		1.000		92.6	70	130			
Sample ID: I	cs-60981	SampTyp	e: LC	s	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID:	LCSS	Batch I	D: 60	981	F	RunNo: 7	9563				
Prep Date:	6/28/2021	Analysis Dat	e: 7	/2/2021	S	SeqNo: 2	798542	Units: %Rec	;		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromo	ofluorobenzene	0.93		1.000		92.5	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

Page 17 of 17

2106D68

06-Jul-21

WO#:

Received by	OCD:	8/24/2022	1:06:02 PM
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HALL ENVIRONMENTAL ANALYSIS LABORATORY		Hall Environmen TEL: 505-345-3 Website: client:	4901 Hav Albuquerque, N 975 FAX: 505-:	vkins NE M 87109 845-4107	Sar	mple Log-In Check List
Client Name:	EOG	Work Order Num	ber: 2106D68	a la compañía de la c		RcptNo: 1
Received By:	Cheyenne Cason	6/25/2021 7:30:00 /	AM	Chem	V	
Completed By:	Cheyenne Cason	6/25/2021 9:53:47 /	MA	Chem Chem	1	
Reviewed By:	512 6/25-121					
Chain of Cus	tody					
	ustody complete?		Yes 🗸	No		Not Present
2. How was the	sample delivered?		Courier			
Log In						
A state of the sta	pt made to cool the sample	s?	Yes 🗹	No		
4. Were all samp	ples received at a temperati	ire 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 tes	t(s)?	Yes 🔽	No		
	except VOA and ONG) prop		Yes 🗸	No		
	tive added to bottles?		Yes 🗌	No	~	NA 🗔
9. Received at le	ast 1 vial with headspace <	1/4" for AQ VOA?	Yes	No		NA 🗹
	nple containers received bro		Yes		V	
	A THE PARTY AND A PARTY CARD				_	# of preserved bottles checked
	rk match bottle labels?		Yes 🗹	No		for pH:
	incies on chain of custody)					(<2 of >12 unless noted)
	orrectly identified on Chain	of Custody?	Yes 🗹	No		Adjusted?
	analyses were requested?		Yes 🗹	No		
	ng times able to be met? Istomer for authorization.)		Yes 🗹	No		Checked by: T.C. 6-25-21
pecial Handli	ing (if applicable)					
5. Was client not	tified of all discrepancies wi	th this order?	Yes	No		NA 🔽
Person	Notified:	Date:	(		-	
By Who	1	Via:		Dhone -	Envi	
Regardi		via.	eMail	Phone	Fax	In Person
	istructions:					
16. Additional rer	narks:					
17. <u>Cooler Inforr</u> Cooler No	nation Temp ºC Condition 2.1 Good	Seal Intact Seal No	Seal Date	Signed	Ву	

Page 1 of 1

Clien	Chail ht: EOG-A	Client: EOG-Artesia / Ranger Env.	Chain-ot-Custody Record :: EOG-Artesia / Ranger Env.	Turn-Around Time:	1 lime: 5 Davy	Sm			Ц	H	VLL EN	HALL ENVIRONMENTAL	IENTAL	
			3	Standard Standard	d 🗆 Rush	P		L	ſ	AP	ANALYSTS	IS I ABOU	I AROPATOD	5
to I-				Project Name:	ë									
Mailin	ng Address	s: EOG - 10	Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210	Undson		AUV State Com #2	64			MM Contraction		www.nailenvironmental.com		)CD:
	Ranger: PO Box 201179,		Austin TX 78720	Project #: 5375		5	!	r '		ENE 24E 207E		-	60	0/24
Phon	Phone #: 521-335-1785	335-1785								-040-0	Analvsis	s Reduest		
emai	I or Fax#:	Will@Rar	email or Fax#: Will@RangerEnv.com	Project Manager:	ager: W. Kierdorf	dorf				-				É
AA/Q	QA/QC Package:	<u>ت</u>						JAN	~~~~					:06:
St St	Standard		Level 4 (Full Validation)					v / O						
Accre	Accreditation:	D Az Co	Az Compliance	Sampler: R.	R. Martin			DR	_					
	NELAC			1.00	凶 Yes	ON []		10						-
	EDD (Type)	) Excel		# of Coolers:	1									
				Cooler Temp(including CF): 2	Vincluding CF): Z. N	1-2=0-1		_	_					
Date	e Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	90	3) XƏTE 108:H91	Chloride	-	in the second se			
6/23/20	1154	1:05	base/S1	1 yozdar	ice	rarit	5	1000	1					-
	1156	*~	base/7'			2002		•	×	-		1		-
-	1158		base/q'			m3		-	-					-
	1200		1			Han		XX	-	-				-
	1625	10	W. I / Nr. Ser classic	+0		500		××	×					-
	1627		W.1/5'			006		×	×	-				-
	1535		5.3/2'			607		X X	×					-
	1537		5.3/4"			008		××	x					-
-	1539	_	S. 3/ 5'			600		××	×	-				-
	1541		E.2/2'			010		××	×					-
	1543		E.2/4			GII		××	×					-
-1	1545	4	E.115'	-1	1	210		× ×	×					-
Date:	Time:	Relinquished by	ed by:	Received by:	Via:	10.0	Time	Remark	(s: Bill	to EOG	Remarks: Bill to EOG Artesia	-		-
6/24/	6/24/210703	Ker Ma	Alex	alamman	MARO	12	703							
Date:	Time:	Relinquished by:	ed by:	Received by:	Via:		Lime							Pa
Ve hel	1900	OUNUN	Winnie	14	rounter	6/25-121 3	7.30							

**Released to Imaging: 8/24/2022 3:06:46 PM** 



July 22, 2021

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

RE: Judson AVV State Com 2

OrderNo.: 2107739

Hall Environmental Analysis Laboratory

TEL: 505-345-3975 FAX: 505-345-4107

Website: clients.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 6 sample(s) on 7/15/2021 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 2107739

## Hall Environmental Analysis Laboratory, Inc.

Lab Order 2107739

Date Reported:	7/22/2021
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CLIENT: EOG		Clie	ent Sample II	<b>):</b> N.:	2/2'	
<b>Project:</b> Judson AVV State Com 2		С	ollection Date	e: 7/1	4/2021 9:26:00 AM	
Lab ID: 2107739-001	Matrix: SOIL	]	Received Date	e: 7/1	5/2021 7:30:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	ND	60	mg/Kg	20	7/21/2021 2:18:40 AM	61435
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	7/19/2021 9:43:10 PM	61383
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/19/2021 9:43:10 PM	61383
Surr: DNOP	111	70-130	%Rec	1	7/19/2021 9:43:10 PM	61383
EPA METHOD 8015D: GASOLINE RANG	<b>BE</b>				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/19/2021 3:17:26 PM	61362
Surr: BFB	97.3	70-130	%Rec	1	7/19/2021 3:17:26 PM	61362
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	7/19/2021 3:17:26 PM	61362
Toluene	ND	0.049	mg/Kg	1	7/19/2021 3:17:26 PM	61362
Ethylbenzene	ND	0.049	mg/Kg	1	7/19/2021 3:17:26 PM	61362
Xylenes, Total	ND	0.099	mg/Kg	1	7/19/2021 3:17:26 PM	61362
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	1	7/19/2021 3:17:26 PM	61362

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 10

Surr: 4-Bromofluorobenzene

Analytical Report Lab Order 2107739

7/19/2021 3:41:12 PM 61362

## Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/22/2021

CLIENT: EOG		Cl	ient Sample II	<b>D:</b> N.:	2/4'	
<b>Project:</b> Judson AVV State Com 2		(	Collection Dat	<b>e:</b> 7/1	4/2021 9:28:00 AM	
<b>Lab ID:</b> 2107739-002	Matrix: SOIL		<b>Received Dat</b>	<b>e:</b> 7/1	5/2021 7:30:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	ND	59	mg/Kg	20	7/21/2021 2:31:04 AM	61435
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	7/19/2021 9:55:58 PM	61383
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	7/19/2021 9:55:58 PM	61383
Surr: DNOP	111	70-130	%Rec	1	7/19/2021 9:55:58 PM	61383
EPA METHOD 8015D: GASOLINE RANG	E				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	7/19/2021 3:41:12 PM	61362
Surr: BFB	98.8	70-130	%Rec	1	7/19/2021 3:41:12 PM	61362
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	7/19/2021 3:41:12 PM	61362
Toluene	ND	0.047	mg/Kg	1	7/19/2021 3:41:12 PM	61362
Ethylbenzene	ND	0.047	mg/Kg	1	7/19/2021 3:41:12 PM	61362
Xylenes, Total	ND	0.095	mg/Kg	1	7/19/2021 3:41:12 PM	61362

102

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
- 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 10

Analytical Report Lab Order 2107739

## Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/22/2021

CLIENT: EOG			ient Sample II			
<b>Project:</b> Judson AVV State Com 2		(	Collection Dat	<b>e:</b> 7/1	14/2021 9:30:00 AM	
Lab ID: 2107739-003	Matrix: SOIL		<b>Received Dat</b>	<b>e:</b> 7/1	15/2021 7:30:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	VP
Chloride	ND	60	mg/Kg	20	7/21/2021 2:43:29 AM	61435
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	7/19/2021 10:08:12 PM	61383
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/19/2021 10:08:12 PM	61383
Surr: DNOP	111	70-130	%Rec	1	7/19/2021 10:08:12 PM	61383
EPA METHOD 8015D: GASOLINE RANG	E				Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/19/2021 4:04:56 PM	61362
Surr: BFB	97.6	70-130	%Rec	1	7/19/2021 4:04:56 PM	61362
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.024	mg/Kg	1	7/19/2021 4:04:56 PM	61362
Toluene	ND	0.048	mg/Kg	1	7/19/2021 4:04:56 PM	61362
Ethylbenzene	ND	0.048	mg/Kg	1	7/19/2021 4:04:56 PM	61362
Xylenes, Total	ND	0.095	mg/Kg	1	7/19/2021 4:04:56 PM	61362
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	1	7/19/2021 4:04:56 PM	61362

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 3 of 10

## Hall Environmental Analysis Laboratory, Inc.

Lab Order 2107739

Date Reported: 7/22/2021

CLIENT: EOG		Cl	lient Sa	ample II	D: Ba	se/16'	
<b>Project:</b> Judson AVV State Com 2		(	Collect	tion Dat	e: 7/1	4/2021 11:35:00 AM	
Lab ID: 2107739-004	Matrix: SOIL		Recei	ved Dat	e: 7/1	5/2021 7:30:00 AM	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	VP
Chloride	ND	60		mg/Kg	20	7/21/2021 2:55:53 AM	61435
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS					Analyst:	SB
Diesel Range Organics (DRO)	3300	92		mg/Kg	10	7/21/2021 2:47:44 PM	61383
Motor Oil Range Organics (MRO)	ND	460	D	mg/Kg	10	7/21/2021 2:47:44 PM	61383
Surr: DNOP	0	70-130	S	%Rec	10	7/21/2021 2:47:44 PM	61383
EPA METHOD 8015D: GASOLINE RAN	IGE					Analyst:	NSB
Gasoline Range Organics (GRO)	3900	99		mg/Kg	20	7/19/2021 10:09:54 AM	61362
Surr: BFB	564	70-130	S	%Rec	20	7/19/2021 10:09:54 AM	61362
EPA METHOD 8021B: VOLATILES						Analyst:	NSB
Benzene	ND	0.49		mg/Kg	20	7/19/2021 10:09:54 AM	61362
Toluene	33	0.99		mg/Kg	20	7/19/2021 10:09:54 AM	61362
Ethylbenzene	12	0.99		mg/Kg	20	7/19/2021 10:09:54 AM	61362
Xylenes, Total	330	9.9		mg/Kg	100	) 7/19/2021 6:03:47 PM	61362
Surr: 4-Bromofluorobenzene	125	70-130		%Rec	20	7/19/2021 10:09:54 AM	61362

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 4 of 10

## Hall Environmental Analysis Laboratory, Inc.

Lab Order 2107739

Date Reported: 7/22/2021

CLIENT: EOG		Cl	ient Sa	ample II	D: Ba	use/19'	
<b>Project:</b> Judson AVV State Com 2		(	Collect	ion Dat	<b>e:</b> 7/1	4/2021 11:37:00 AM	
Lab ID: 2107739-005	Matrix: SOIL		Recei	ved Dat	<b>e:</b> 7/1	15/2021 7:30:00 AM	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	VP
Chloride	ND	60		mg/Kg	20	7/21/2021 3:33:07 AM	61435
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	SB
Diesel Range Organics (DRO)	2800	96		mg/Kg	10	7/21/2021 2:59:35 PM	61383
Motor Oil Range Organics (MRO)	ND	480	D	mg/Kg	10	7/21/2021 2:59:35 PM	61383
Surr: DNOP	0	70-130	S	%Rec	10	7/21/2021 2:59:35 PM	61383
EPA METHOD 8015D: GASOLINE RANG	E					Analyst	NSB
Gasoline Range Organics (GRO)	2600	250		mg/Kg	50	7/19/2021 10:33:28 AM	61362
Surr: BFB	239	70-130	S	%Rec	50	7/19/2021 10:33:28 AM	61362
EPA METHOD 8021B: VOLATILES						Analyst:	NSB
Benzene	ND	1.2		mg/Kg	50	7/19/2021 10:33:28 AM	61362
Toluene	36	2.5		mg/Kg	50	7/19/2021 10:33:28 AM	61362
Ethylbenzene	21	2.5		mg/Kg	50	7/19/2021 10:33:28 AM	61362
Xylenes, Total	240	4.9		mg/Kg	50	7/19/2021 10:33:28 AM	61362
Surr: 4-Bromofluorobenzene	116	70-130		%Rec	50	7/19/2021 10:33:28 AM	61362

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 5 of 10

Analytical Report Lab Order 2107739

## Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/22/2021

CLIENT: EOG		Cl	ient S	ample II	D: Ba	se/22'	
<b>Project:</b> Judson AVV State Com 2		(	Collect	tion Dat	e: 7/1	4/2021 11:39:00 AM	
Lab ID: 2107739-006	Matrix: SOIL		Recei	ved Dat	e: 7/1	5/2021 7:30:00 AM	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analys	: VP
Chloride	ND	60		mg/Kg	20	7/21/2021 3:45:31 AM	61435
EPA METHOD 8015M/D: DIESEL RANGE	E ORGANICS					Analys	: SB
Diesel Range Organics (DRO)	2900	98		mg/Kg	10	7/21/2021 3:11:35 PM	61383
Motor Oil Range Organics (MRO)	ND	490	D	mg/Kg	10	7/21/2021 3:11:35 PM	61383
Surr: DNOP	0	70-130	S	%Rec	10	7/21/2021 3:11:35 PM	61383
EPA METHOD 8015D: GASOLINE RANG	E					Analys	: NSB
Gasoline Range Organics (GRO)	3200	94		mg/Kg	20	7/19/2021 10:57:04 AM	61362
Surr: BFB	573	70-130	S	%Rec	20	7/19/2021 10:57:04 AN	61362
EPA METHOD 8021B: VOLATILES						Analys	: NSB
Benzene	1.2	0.47		mg/Kg	20	7/19/2021 10:57:04 AM	61362
Toluene	56	0.94		mg/Kg	20	7/19/2021 10:57:04 AN	61362
Ethylbenzene	32	0.94		mg/Kg	20	7/19/2021 10:57:04 AM	61362
Xylenes, Total	290	9.4		mg/Kg	100	) 7/19/2021 6:27:28 PM	61362
Surr: 4-Bromofluorobenzene	151	70-130	S	%Rec	20	7/19/2021 10:57:04 AM	61362

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 6 of 10

14

1.5

15.00

Hall Environmen	ntal Analysis Laborate	ory, Inc.		WO#:	2107739 22-Jul-21
Client: EOG Project: Judso	n AVV State Com 2				
Sample ID: MB-61435 Client ID: PBS Prep Date: 7/20/2021	SampType: <b>MBLK</b> Batch ID: <b>61435</b> Analysis Date: <b>7/20/2021</b>	TestCode: EPA Method 3 RunNo: 79937 SeqNo: 2812833	<b>300.0: Anions</b> Units: <b>mg/Kg</b>		
Analyte Chloride	Result         PQL         SPK value           ND         1.5	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit	Qual
Sample ID: LCS-61435 Client ID: LCSS Prep Date: 7/20/2021	SampType: LCS Batch ID: 61435 Analysis Date: 7/20/2021	TestCode: <b>EPA Method :</b> RunNo: <b>79937</b> SeqNo: <b>2812834</b>	<b>300.0: Anions</b> Units: <b>mg/Kg</b>		
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit	Qual

0

96.0

90

110

**Qualifiers:** 

Chloride

- 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 7 of 10

	WO#:	2107739
Hall Environmental Analysis Laboratory, Inc.		22-Jul-21

Client: EOG		
Project: Judson A	AVV State Com 2	
Sample ID: MB-61383	SampType: MBLK TestCode: EPA Method 80	015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 61383 RunNo: 79895	
Prep Date: 7/17/2021	Analysis Date: 7/19/2021 SeqNo: 2812460 U	Jnits: mg/Kg
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	ND 10	
Motor Oil Range Organics (MRO)	ND 50	
Surr: DNOP	11 10.00 106 70	130
Sample ID: LCS-61383	SampType: LCS TestCode: EPA Method 80	015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 61383 RunNo: 79895	
Prep Date: 7/17/2021	Analysis Date: 7/19/2021 SeqNo: 2812461 U	Jnits: mg/Kg
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	40 10 50.00 0 80.7 68.9	141
Surr: DNOP	4.9 5.000 97.0 70	130
Sample ID: MB-61405	SampType: MBLK TestCode: EPA Method 80	015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 61405 RunNo: 79945	
Prep Date: 7/19/2021	Analysis Date: 7/20/2021 SeqNo: 2813316 U	Jnits: %Rec
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Surr: DNOP	10 10.00 101 70	130
Sample ID: LCS-61405	SampType: LCS TestCode: EPA Method 80	015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 61405 RunNo: 79945	
Prep Date: 7/19/2021	Analysis Date: 7/20/2021 SeqNo: 2813318 U	Jnits: %Rec
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Surr: DNOP	4.6 5.000 91.9 70	130

Qualifiers:

- Value exceeds Maximum Contaminant Level. \*
- D Sample Diluted Due to Matrix
- 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 8 of 10

# **OC SUMMARY REPORT** F

QC SUMMART REFORT	WO#:	2107739
Hall Environmental Analysis Laboratory, Inc.		22-Jul-21

Client: EOG Project: Judson	a AVV State Com 2	
Sample ID: mb-61362	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range
Client ID: PBS	Batch ID: 61362	RunNo: <b>79883</b>
Prep Date: 7/15/2021	Analysis Date: 7/19/2021	SeqNo: 2810954 Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Gasoline Range Organics (GRO) Surr: BFB	ND 5.0 970 1000	96.5 70 130
Sample ID: Ics-61362	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range
Client ID: LCSS	Batch ID: 61362	RunNo: <b>79883</b>
Prep Date: 7/15/2021	Analysis Date: 7/19/2021	SeqNo: 2810955 Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Gasoline Range Organics (GRO)	24 5.0 25.00	0 96.0 78.6 131
Surr: BFB	1100 1000	107 70 130
Sample ID: mb-61386	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range
Client ID: PBS	Batch ID: 61386	RunNo: <b>79883</b>
Prep Date: 7/17/2021	Analysis Date: 7/20/2021	SeqNo: 2810968 Units: %Rec
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: BFB	940 1000	94.1 70 130
Sample ID: Ics-61386	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range
Client ID: LCSS	Batch ID: 61386	RunNo: <b>79883</b>
Prep Date: 7/17/2021	Analysis Date: 7/19/2021	SeqNo: 2810969 Units: %Rec
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: BFB	1100 1000	110 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

- 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 9 of 10

WO#:	2107739

22-Jul-21

Client: Project:	EOG Judson A	AVV State	Com 2								
Sample ID:	mb-61362	Samp	Гуре: МЕ	BLK	Tes	tCode: EF	PA Method	8021B: Volat	iles		
Client ID:	PBS	Batc	h ID: 61	362	F	RunNo: 79	9883				
Prep Date:	7/15/2021	Analysis [	Date: 7/	19/2021	ç	SeqNo: 28	811008	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		ND	0.025			,					
Toluene		ND	0.050								
Ethylbenzene		ND	0.050								
Xylenes, Total		ND	0.10								
-	ofluorobenzene	0.99	0.1.0	1.000		98.8	70	130			
Sample ID:	LCS-61362	Samp	Type: LC	s	Tes	tCode: EF	PA Method	8021B: Volat	iles		
Client ID:			h ID: 61			RunNo: <b>7</b> 9					
Prep Date:		Analysis E	-		S	SeqNo: 28	811009	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.89	0.025	1.000	0	89.0	80	120			
Toluene		0.92	0.050	1.000	0	91.6	80	120			
Ethylbenzene		0.92	0.050	1.000	0	92.2	80	120			
Xylenes, Total		2.8	0.10	3.000	0	93.0	80	120			
Surr: 4-Brom	ofluorobenzene	1.0		1.000		102	70	130			
Sample ID:	mb-61386	Samp	Гуре: МЕ	BLK	Tes	tCode: EF	PA Method	8021B: Volat	iles		
Client ID:	PBS	Batc	h ID: 61	386	F	RunNo: <b>7</b> 9	9883				
Prep Date:	7/17/2021	Analysis [	Date: 7/	20/2021	S	SeqNo: 28	811025	Units: %Red	;		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Brom	ofluorobenzene	0.99		1.000		99.2	70	130			
Sample ID:	LCS-61386	Samp	Гуре: <b>LC</b>	s	Tes	tCode: EF	PA Method	8021B: Volat	iles		
Client ID:	LCSS	Batc	h ID: 61	386	F	RunNo: <b>7</b> 9	9883				
Prep Date:	7/17/2021	Analysis [	Date: 7/	19/2021	S	SeqNo: 28	811026	Units: %Red	;		
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			

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 10 of 10

HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmenta All TEL: 505-345-397. Website: clients.h	490 ouquero 5 FAX:	01 Hawkins N que, NM 871 505-345-411	VE 09 <b>S</b> 07	Samp	le Log-In Check List	
Client Name: EOG	Nork Order Numbe	: 210	7739			RcptNo: 1	
Received By: Cheyenne Cason 7/1	5/2021 7:30:00 AM	6		chent	-Logo		
Completed By: Sean Livingston 7/1	5/2021 9:46:52 AM	1		5	1	1	
Reviewed By: JR 7/15/2/					-Crys		
Chain of Custody							
1. Is Chain of Custody complete?		Yes		No		Not Present	
2. How was the sample delivered?		Cou	rier				
Log In 3. Was an attempt made to cool the samples?		Yes		No			
A Worp all complex received at a temperature of a			-	No			
<ol><li>Were all samples received at a temperature of &gt;</li></ol>	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	served?	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 broken?		Yes		No [	V #	of preserved	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes		No [	bo	of preserved ottles checked or pH: (<2.or >12 unless noted	4)
2. Are matrices correctly identified on Chain of Custo	ody?	Yes	~	No [		Adjusted?	
3. Is it clear what analyses were requested?		Yes	~	No [		1 100-	
4. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes		No	3	Checked by: SPA7	14
Special Handling (if applicable)							
15. Was client notified of all discrepancies with this o	rder?	Yes		No		NA 🗹	
Person Notified:	Date:						
By Whom:	Via:	eM	ail 🔲 Pho	ne 🗌 I	Fax	In Person	
Regarding:							
Client Instructions:							
16. Additional remarks:							
17. <u>Cooler Information</u> Cooler No Temp <sup>o</sup> C Condition Seal In 1 4.5 Good	tact Seal No S	Seal D	ate Si	igned B	У		

•

Page 1 of 1

Image: Standard Project Nar       Project Nar       Project Mar       Project Mar       Sampler:       On Ice:       Froject Mar       Sampler:       Sampler:       Project Mar       Project Mar       Sampler:       Project Mar       Received by:       Received by:	Chai	n-of-Cl	Chain-of-Custody Record	Turn-Around Time:							
Project Name:         Project Name:         Project Name:         Address: E0G - 105 S 4ht St. Artesia NM, 88210         V/vd S on AUU Staft Com #2         4001 Have           ger PO Box 201179, Austin TX 78720         Project #: 5375         Project #: 5375         4001 Have           lilo r Fax# Wili@FangerEnv.com         Project #: 5375         Project #: 5375         4001 Have           lilo r Fax# Wili@FangerEnv.com         Project #: 5375         Project #: 5375         4001 Have           Rot For Foreit         Broject Manager: W. Kierdorf         Project Manager: W. Kierdorf         4001 Have           Rot Foreit         Project Manager: W. Kierdorf         Project Manager: W. Kierdorf         4001 Have           Rot Foreit         Project Manager: W. Kierdorf         Project Manager: W. Kierdorf         4001 Have           Rot Foreit         Project Manager: W. Kierdorf         Project Manager: W. Kierdorf         4001 Have           Rot Foreit         # 2000         Broit         # 700         Broit         11           Rot Foreit         # 2001 Have         Project Manager: W. Kierdorf         Project Manager: W. Kierdorf         4001 Have           Rot Foreit         # 77         # 77         # 77         # 77         2000         2001         2001         2001         2001         2001         2001 <td< td=""><td>Client: EOG-/</td><td>Artesia / Ra</td><td>inger Env.</td><td>Standaro</td><td></td><td>1 LUNT</td><td></td><td></td><td></td><td>ALL ENVIRONMENT</td><td>LAL</td></td<>	Client: EOG-/	Artesia / Ra	inger Env.	Standaro		1 LUNT				ALL ENVIRONMENT	LAL
Ing Address: EOG - 105 3 4h SI, Artesia NM, 88210         // U/ δ s n         All U         S n         4901 Hawkins NE           ger PO Box 201178, Austin X7 720         Project #: 5375         Project #: 5375         Fig. 66.345.305         Austin X78720           ger PO Box 201178, Austin X78720         Project #: 5375         Project #: 5375         Fig. 66.345.305         Austin X78720           ger PO Box 201178, Austin X78720         Project #: 5375         Project #: 5375         Fig. 66.345.305           all or Fax# Will@RangerEnv.com         Project Manager. W Kierdorf         Project #: 6.375         Austin X78720           Co Package:         II or Fax# Will@RangerEnv.com         Project #: 5.375         Fig. 66.345.305         Austin X7875           Co Package:         Level 4 (Ful Validation)         Sampler.         Each         Each         Fig. 66.345.305           Co Package:         Diftrip         Action I Az Compliance         Sampler.         Each         Container         Project # 5.375         Austin X78.301           Co To				Project Nam					C		-
ger PO Box 20119, Auslin TX 78720 ger PO Box 20119, Auslin TX 78720 me #: 521-335-1786 me #: 521-35-1786 me #:	Mailing Addres	s: EOG - 10:	5 S 4th St, Artesia NM, 88210	Judso,		state Com #2		4901	ww Hawkins		CD:
me#         521-335-1786         Project Manager. W. Kierdorf         Anti-           ill or Far#. Will@RangerEnv.com         Project Manager. W. Kierdorf         Project Manager. W. Kierdorf         Anti-           Rot Package:         Ill or Far#. Ull@RangerEnv.com         Project Manager. W. Kierdorf         Anti-           Rot Package:         Ill of Farmone         Sampler.         Anti-           Rot Date:         Ill of Farmone         Onlee:         No           Off Uppe)         Excell         Banpic.         Enter (eiter pace)           Off Uppe)         Excell         Onlee:         No           Off Uppe)         Excell         Ool 1         X         X         X           Ill 37         Doller:         No.20         X         X         X         X           Ill 37         Doller:         No.20         X         X         X         X         X           Ill 37         Dollarie         Project Manager. V. Compliance         Dollarie         Project No.0000         No.20         X         X         X         X         X         X         X         X         X         X         X         X         X         X         X         X         X         X         X	Ranger: PO Bo	× 201179, 7	Austin TX 78720	Project #: 53	1.1		-	Tel 5	05-345-		8/24
all or Fax#: Will@RangerEnv.com     Project Manager: W. Kierdorf       CC Package: <ul> <li>Level 4 (Full Validation)</li> <li>Reditation:</li> <li>A Compliance</li> <li>Bandard</li> <li>Do (Type)</li> <li>Exect</li> <li>Onte::</li> <li>A Compliance</li> <li>Banple:</li> <li>Time</li> <li>Matrix</li> <li>Banple</li> <li>M. 2/2'</li> <li>Preservative</li> <li>HEAL No.</li> <li>Preservative</li> <li>HEAL No.</li> <li>Preservative</li> <li>HEAL No.</li> <li>Preservative</li> <li>HEAL No.</li> <li>Preservative</li> <li>M. 2/2'</li> <li>Preservative</li> <li>Preservative</li> <li>M. 2/2'</li> <li>Preservative</li> <li>Preservativ</li></ul>	Phone #: 521-	335-1785								Anal	/202
CC Package:     Itevel 4 (Full Validation)       reditation: $\neg$ Z compliance       reditation: $\neg$ Z container       redi	email or Fax#	: Will@Ran	igerEnv.com	Project Mana	iger: W. Kierd	lorf		(0			2 1:
Itematical     Level 4 (Full Validation)       reditation: $\neg$ Level 4 (Full Validation)       reditation: $\neg$ Compliance       ELAC $\bigcirc$ Other       ED (Type)     Excel       Diftype)     Excel       ED $\square$ Matrix       Sample Name $\# of Coolers: 1$ $\# of Cooler       \# of Cooler       $	QA/QC Packag	e:						) NR(			06:0
reditation: $\square$ Z Compliance       Sampler:         IELAC       Other       Image: Sample in the i	Standard		Level 4 (Full Validation)					1/0			02 P.
LELAC     Other     On lee: $\bigcirc$ Yes     No       ED (Type)     Excel     # of Coolers: 1     # of Coolers: 1       ED (Type)     Excel     # of Coolers: 1     Coolers: 1       Image: Simple Name     Type and #     Type     HEAL No.       Val $7 < 7 < 2$ $7 < 7 < 2$ $9 < 2 < 7 < 2$ Val $7 < 7 < 2$ $7 < 7 < 2$ $7 < 7 < 2$ Val $7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 <$	Accreditation:		ompliance	Sampler:							M
EDD (Type)     # of Coolers: $i$ ED (Type)     Excel     # of Coolers: $i$ En Time     Matrix     Sample Name     Container       Preservative     HEAL No.       Prof 26 \$**1 $N.2/2$ Preservative       Prof 2013 $N.2/2$ Preservative       Prof 26 \$**1 $N.2/2$ Preservative       Prof 27 $N.2/2$ Preservative       Prof 28 $N.2/2$ Preservative       Prof 29 $N.2/2$ Preservative       Prof 20 $N.2/2$ <td>I NELAC</td> <td>- 1</td> <td></td> <td>On Ice:</td> <td><b>快 Yes</b></td> <td>ON D</td> <td>-</td> <td>-</td> <td></td> <td></td> <td></td>	I NELAC	- 1		On Ice:	<b>快 Yes</b>	ON D	-	-			
Image: Second Secon	EDD (Type			# of Coolers:	1						
Image: Time     Matrix     Sample Name     Container     Preservative     HEAL No. $trip d 26$ $s_{re1}$ $N.2/2$ $14e_2 J_{rer}$ $2e_0$ $001$ $0328$ $N.2/4$ $14e_2 J_{rer}$ $2e_0$ $001$ $0328$ $N.2/4$ $e_0$ $1002$ $0130$ $N.2/4$ $e_0$ $001$ $0130$ $N.2/4$ $e_0$ $003$ $1137$ $Base/6$ $P_1$ $e_0$ $1137$ $Base/22$ $$ $003$ $1137$ $Base/22$ $$ $003$ $11137$ $Base/22$ $$ $003$ $11137$ $Base/22$ $ 11137 Base/22 $				Cooler Temp	(including CF): 4 . 5	アリ			-		
$M_1 = 2/2!$ $M_2 = 2/2!$ <t< td=""><td>Date Time</td><td></td><td>Sample Name</td><td></td><td>Preservative Tvne</td><td>HEA</td><td></td><td></td><td></td><td></td><td></td></t<>	Date Time		Sample Name		Preservative Tvne	HEA					
0928         M.2/4'         002           0130         N.2/5'         003           1135         Busr/16'         005           1137         Busr/16'         005           1137         Busr/16'         005           1137         Busr/16'         005           1137         Busr/19'         005           11189         Inne         005           11189         Inne         005           11	71/4/21 0921		N.2 /21		Tcr	101		11 C			
0430 $N.2/5'$ $N.2/5'$ $0.03$ $1135$ $Bas/16'$ $Bas/16'$ $0.03$ $1137$ $Bas/16'$ $0.03$ $1137$ $Bas/2/2'$ $ 0.03$ $1137$ $Bas/2/2'$ $ 0.03$ $1137$ $Bas/2/2'$ $ 0.03$ $1137$ $Bas/2/2'$ $ 0.03$ $1134$ $ 0.03$ $0.03$ $1134$ $ 0.03$ $0.03$ $1132$ $M.M.M.M.M.M.M.M.M.M.M.M.M.M.M.M.M.M.M.$	0929	00				200		1			
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1137     Base/191     COS       1137     Base/221     L     COS       1139     Base/221     L     COS       1131     Base/221     L     COS       1134     Base/221     L     COS       1132     Mu/Mu/Mi     Received by:     Via:     Date Time       20     Time:     Relinquished by:     Na:     Date Time       21     Filme:     Relinquished by:     Na:     Date Time	1135		5			noc	$\times$				
II.B4     Base/22     L     L     Doc       Ine     Ine     Base/22     L     Ine     000       Ine     Ine     Ine     Base/22     L     Ine       Ine     Ine     Ine     Ine     Ine     Ine       Ine     Relinquished by:     Ine     Received by:     Via:     Date       Ine     Relinquished by:     Ine     Received by:     Via:     Date	1137		1			SOO	1	-			
Normal         Normal         Date         Time           1325         Multimeted by:         Via:         Date         Time           11ime:         Relinquished by:         Na:         Date         Time           11ime:         Relinquished by:         Na:         Date         Time           11ime:         Relinquished by:         Na:         Date         Time		1	12	-1	4	g	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       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       1     1     1     1     1     1											
Time:     Relinquished by:     Date     Time       1325     M////////////////////////////////////											
71     Time:     Relinquished by:     Via:     Date     Time       72     13.25     Multime     14134     335       71     Time:     Relinquished by:     Via:     Date     Time       71     13.25     Multime     14134     335       71     Time:     Relinquished by:     Via:     Date     Time											
Time:     Relinquished by:     Na:     Date     Time       13     13     25     Multimetric     11434     335       11     Time:     Relinquished by:     Received by:     Via:     Date     Time       21     13     25     Multimetric     11434     335       21     13     25     Multimetric     11434     335       21     Time:     Relinquished by:     Received by:     Via:     Date     Time											
No.     Mail Markin     Mail Markin       No.     Mail Markin     Received by:     Via:       No.     Mail Markin     Received by:     Via:		Relinquishe	ed by:	Received by:	Via:		Rema	rks: Bi	to EOO	3 Artesia	-
Time: Relinquished by: Date	121		Pargeter.	Cirvu	sin	14/24 13					
	K	Relinquish	ed by:		9	1.1.1					Page (
		NUM I		5	COULD I						

Released to Imaging: 8/24/2022 3:06:46 PM



May 25, 2022

Becky Haskell GHD Midland 2135 S Loop 250 W Midland, TX 79703 TEL: (432) 686-0086 FAX:

RE: Judson Auu State Com 2

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

OrderNo.: 2205790

Dear Becky Haskell:

Hall Environmental Analysis Laboratory received 4 sample(s) on 5/18/2022 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 2205790

Date Reported: 5/25/2022

CLIENT: GHD Midland	Client Sample ID: SB-1 (22')						
<b>Project:</b> Judson Auu State Com 2		(	Collec	tion Dat	e: 5/1	16/2022 4:10:00 PM	
Lab ID: 2205790-001	Matrix: SOIL		Recei	ived Dat	e: 5/1	18/2022 8:27:00 AM	
Analyses	Result	RL	Qual	l Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analys	t: NAI
Chloride	ND	60		mg/Kg	20	5/19/2022 3:50:26 PM	67566
EPA METHOD 8015M/D: DIESEL RAN	IGE ORGANICS					Analys	t: <b>SB</b>
Diesel Range Organics (DRO)	760	87		mg/Kg	10	5/23/2022 1:27:30 PM	67546
Motor Oil Range Organics (MRO)	ND	440	D	mg/Kg	10	5/23/2022 1:27:30 PM	67546
Surr: DNOP	0	51.1-141	S	%Rec	10	5/23/2022 1:27:30 PM	67546
EPA METHOD 8015D: GASOLINE RA	NGE					Analys	t: BRM
Gasoline Range Organics (GRO)	43	24		mg/Kg	5	5/19/2022 10:54:00 AM	67542
Surr: BFB	155	37.7-212		%Rec	5	5/19/2022 10:54:00 AM	67542
EPA METHOD 8021B: VOLATILES						Analys	t: BRM
Benzene	ND	0.12		mg/Kg	5	5/19/2022 10:54:00 AM	67542
Toluene	ND	0.24		mg/Kg	5	5/19/2022 10:54:00 AM	67542
Ethylbenzene	ND	0.24		mg/Kg	5	5/19/2022 10:54:00 AM	67542
Xylenes, Total	1.1	0.47		mg/Kg	5	5/19/2022 10:54:00 AM	67542
Surr: 4-Bromofluorobenzene	113	70-130		%Rec	5	5/19/2022 10:54:00 AM	67542

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

Page 1 of 9

## Hall Environmental Analysis Laboratory, Inc.

Lab Order 2205790

Date Reported: 5/25/2022

5/19/2022 11:14:00 AM 67542

5/19/2022 11:14:00 AM 67542

CLIENT:GHD MidlandProject:Judson Auu State Com 2Lab ID:2205790-002	Client Sample ID: SB-1 (25')           Collection Date: 5/16/2022 4:20:00 PM           Matrix: SOIL         Received Date: 5/18/2022 8:27:00 AM						
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	: NAI	
Chloride	74	60	mg/Kg	20	5/19/2022 4:02:47 PM	67566	
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS				Analyst	ED	
Diesel Range Organics (DRO)	740	9.1	mg/Kg	1	5/19/2022 4:20:39 PM	67546	
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	5/19/2022 4:20:39 PM	67546	
Surr: DNOP	85.1	51.1-141	%Rec	1	5/19/2022 4:20:39 PM	67546	
EPA METHOD 8015D: GASOLINE RAN	IGE				Analyst	BRM	
Gasoline Range Organics (GRO)	350	24	mg/Kg	5	5/19/2022 11:14:00 AM	67542	
Surr: BFB	209	37.7-212	%Rec	5	5/19/2022 11:14:00 AM	67542	
EPA METHOD 8021B: VOLATILES					Analyst	BRM	
Benzene	ND	0.12	mg/Kg	5	5/19/2022 11:14:00 AM	67542	
Toluene	1.7	0.24	mg/Kg	5	5/19/2022 11:14:00 AM	67542	
Ethylbenzene	3.1	0.24	mg/Kg	5	5/19/2022 11:14:00 AM	67542	

29

198

0.48

S

70-130

mg/Kg

%Rec

5

5

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

Qualifiers:

Xylenes, Total

Surr: 4-Bromofluorobenzene

- \* 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 2 of 9

## Hall Environmental Analysis Laboratory, Inc.

Lab Order 2205790

Date Reported: 5/25/2022

5/19/2022 1:12:00 PM

5/19/2022 1:12:00 PM

67542

67542

<b>CLIENT:</b> GHD Midland <b>Project:</b> Judson Auu State Com 2	Client Sample ID: SB-1 (30') Collection Date: 5/16/2022 4:30:00 PM						
Project:Judson Auu State Com 2Lab ID:2205790-003	Matrix: SOIL	-			18/2022 8:27:00 AM		
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	: NAI	
Chloride	ND	60	mg/Kg	20	5/19/2022 4:15:08 PM	67566	
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS				Analyst	ED	
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	5/19/2022 4:31:35 PM	67546	
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	5/19/2022 4:31:35 PM	67546	
Surr: DNOP	93.8	51.1-141	%Rec	1	5/19/2022 4:31:35 PM	67546	
EPA METHOD 8015D: GASOLINE RAN	IGE				Analyst	BRM	
Gasoline Range Organics (GRO)	ND	24	mg/Kg	5	5/19/2022 1:12:00 PM	67542	
Surr: BFB	96.3	37.7-212	%Rec	5	5/19/2022 1:12:00 PM	67542	
EPA METHOD 8021B: VOLATILES					Analyst	BRM	
Benzene	ND	0.12	mg/Kg	5	5/19/2022 1:12:00 PM	67542	
Toluene	ND	0.24	mg/Kg	5	5/19/2022 1:12:00 PM	67542	
Ethylbenzene	ND	0.24	mg/Kg	5	5/19/2022 1:12:00 PM	67542	

ND

99.0

0.49

70-130

mg/Kg 5

5

%Rec

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

**Qualifiers:** 

Xylenes, Total

Surr: 4-Bromofluorobenzene

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

Page 3 of 9

Surr: 4-Bromofluorobenzene

**Analytical Report** 

## Hall Environmental Analysis Laboratory, Inc.

Lab Order 2205790

Date Reported: 5/25/2022

5/19/2022 1:31:00 PM

67542

CLIENT: GHD Midland	Client Sample ID: SB-1 (35')							
<b>Project:</b> Judson Auu State Com 2		(	Collection Dat	<b>e:</b> 5/1	16/2022 4:40:00 PM			
Lab ID: 2205790-004	Matrix: SOIL		<b>Received Dat</b>	<b>e:</b> 5/1	18/2022 8:27:00 AM			
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analys	t: NAI		
Chloride	ND	60	mg/Kg	20	5/19/2022 4:27:29 PM	67566		
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analys	t: ED		
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	5/19/2022 4:42:29 PM	67546		
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	5/19/2022 4:42:29 PM	67546		
Surr: DNOP	82.9	51.1-141	%Rec	1	5/19/2022 4:42:29 PM	67546		
EPA METHOD 8015D: GASOLINE RAN	GE				Analys	t: BRM		
Gasoline Range Organics (GRO)	ND	23	mg/Kg	5	5/19/2022 1:31:00 PM	67542		
Surr: BFB	91.5	37.7-212	%Rec	5	5/19/2022 1:31:00 PM	67542		
EPA METHOD 8021B: VOLATILES					Analys	t: BRM		
Benzene	ND	0.12	mg/Kg	5	5/19/2022 1:31:00 PM	67542		
Toluene	ND	0.23	mg/Kg	5	5/19/2022 1:31:00 PM	67542		
Ethylbenzene	ND	0.23	mg/Kg	5	5/19/2022 1:31:00 PM	67542		
Xylenes, Total	ND	0.47	mg/Kg	5	5/19/2022 1:31:00 PM	67542		

94.8

70-130

%Rec

5

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

Page 4 of 9

Client: Project:		O Midland on Auu State Cor	n 2								
Sample ID:	MB-67566	SampTyp	e: <b>mb</b>	lk	Tes	stCode: EP	A Method	300.0: Anions	5		
Client ID:	PBS	Batch II	D: 67	566	F	RunNo: <b>88</b>	138				
Prep Date:	5/19/2022	Analysis Dat	e: <b>5/</b>	19/2022	S	SeqNo: 31	25287	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-67566	SampTyp	e: Ics		Tes	stCode: EP	A Method	300.0: Anions	6		
Client ID:	LCSS	Batch II	D: 67	566	F	RunNo: <b>88</b>	138				
Prep Date:	5/19/2022	Analysis Dat	e: <b>5/</b>	19/2022	S	SeqNo: 31	25288	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	91.4	90	110			

Qualifiers:

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

2205790

25-May-22

WO#:

Page	74	of	80	
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WO#:	2205790
	25-May-22

Client: GHD N	Aidland										
Project: Judson	Auu State Com 2										
Sample ID: LCS-67562	SampType: L	cs	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 67	562	F	RunNo: <b>88</b>	120						
Prep Date: 5/19/2022	Analysis Date: 5	/19/2022	5	SeqNo: 3124115 Units: %Rec							
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Surr: DNOP	5.5	5.000		111	51.1	141					
Sample ID: MB-67562	SampType: M	BLK	Tes	tCode: EP	A Method	8015M/D: Die	sel Range	Organics			
Client ID: PBS	Batch ID: 67	/562	F	RunNo: <b>88</b>	3120						
Prep Date: 5/19/2022	Analysis Date: 5	/19/2022	S	SeqNo: 31	24116	Units: %Rec					
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Surr: DNOP	8.3	10.00		82.8	51.1	141					
Sample ID: MB-67546	SampType: M	BLK	Tes	tCode: EP	A Method	8015M/D: Die	sel Range	Organics			
Sample ID: MB-67546 Client ID: PBS	SampType: M Batch ID: 67			tCode: EP RunNo: 88		8015M/D: Die	sel Range	Organics			
		/546	F		120	8015M/D: Dies Units: mg/K	-	Organics			
Client ID: PBS Prep Date: 5/18/2022 Analyte	Batch ID: 67	7546 /19/2022	F	RunNo: <b>88</b>	120		-	Organics RPDLimit	Qual		
Client ID: <b>PBS</b> Prep Date: <b>5/18/2022</b> Analyte Diesel Range Organics (DRO)	Batch ID: 67 Analysis Date: 5 Result PQL ND 10	7 <b>546</b> /19/2022 SPK value	F	RunNo: <b>88</b> SeqNo: <b>31</b>	120 26501	Units: <b>mg/K</b>	g	-	Qual		
Client ID: PBS Prep Date: 5/18/2022 Analyte Diesel Range Organics (DRO)	Batch ID: 67 Analysis Date: 5 Result PQL	7 <b>546</b> /19/2022 SPK value	F	RunNo: <b>88</b> SeqNo: <b>31</b>	120 26501	Units: <b>mg/K</b>	g	-	Qual		
Client ID: <b>PBS</b> Prep Date: <b>5/18/2022</b> Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO)	Batch ID: 67 Analysis Date: 5 Result PQL ND 10 ND 50	2 <b>546</b> /19/2022 SPK value 10.00	F SPK Ref Val	RunNo: <b>88</b> SeqNo: <b>31</b> %REC 85.9	120 26501 LowLimit 51.1	Units: <b>mg/K</b> HighLimit	g %RPD	RPDLimit	Qual		
Client ID: <b>PBS</b> Prep Date: <b>5/18/2022</b> Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP	Batch ID: 67 Analysis Date: 5 Result PQL ND 10 ND 50 8.6	2546 /19/2022 SPK value 10.00	F SPK Ref Val Tes	RunNo: <b>88</b> SeqNo: <b>31</b> %REC 85.9	26501 LowLimit 51.1	Units: <b>mg/K</b> HighLimit 141	g %RPD	RPDLimit	Qual		
Client ID: <b>PBS</b> Prep Date: <b>5/18/2022</b> Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: <b>LCS-67546</b>	Batch ID: 67 Analysis Date: 5 Result PQL ND 10 ND 50 8.6 SampType: L0	2546 /19/2022 SPK value 10.00 CS 2546	F SPK Ref Val Tes F	RunNo: <b>88</b> SeqNo: <b>31</b> %REC 85.9 tCode: <b>EF</b>	26501 LowLimit 51.1 A Method	Units: <b>mg/K</b> HighLimit 141	g %RPD sel Range	RPDLimit	Qual		
Client ID: PBS Prep Date: 5/18/2022 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: LCS-67546 Client ID: LCSS	Batch ID: 67 Analysis Date: 5 Result PQL ND 10 ND 50 8.6 SampType: L0 Batch ID: 67	2546 /19/2022 SPK value 10.00 CS 2546	F SPK Ref Val Tes F	RunNo: 88 SeqNo: 31 %REC 85.9 tCode: EF RunNo: 88	26501 LowLimit 51.1 A Method	Units: mg/K HighLimit 141 8015M/D: Dies	g %RPD sel Range	RPDLimit	Qual		
Client ID: PBS Prep Date: 5/18/2022 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: LCS-67546 Client ID: LCSS Prep Date: 5/18/2022	Batch ID: 67 Analysis Date: 5 Result PQL ND 10 ND 50 8.6 SampType: LC Batch ID: 67 Analysis Date: 5	2546 /19/2022 SPK value 10.00 CS 7546 /19/2022 SPK value	F SPK Ref Val Tes F S	RunNo: 88 SeqNo: 31 %REC 85.9 tCode: EF RunNo: 88 SeqNo: 31	26501 LowLimit 51.1 24 Method 120 26502	Units: mg/K HighLimit 141 8015M/D: Dies Units: mg/K	g %RPD sel Range g	RPDLimit Organics			

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Page	75	of 80	
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WO#:	2205790
	25-May-22

Client: Project:	GHD Mi Judson A	dland .uu State Com 2								
Sample ID:	lcs-67542	SampType: LC	s	Tes	tCode: EF	A Method	8015D: Gasoli	ne Range		
Client ID:	LCSS	Batch ID: 67	542	F	RunNo: <b>88</b>	3144				
Prep Date:	5/18/2022	Analysis Date: 5/	19/2022	S	SeqNo: 31	24724	Units: mg/Kg	I		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	26 5.0	25.00	0	103	72.3	137			
Surr: BFB		2000	1000		202	37.7	212			
Sample ID:	mb-67542 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range									
Client ID:	PBS	Batch ID: 67	542	F	RunNo: <b>88</b>	3144				
Prep Date:	5/18/2022	Analysis Date: 5/	19/2022	S	SeqNo: 31	24725	Units: mg/Kg	I		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang Surr: BFB	e Organics (GRO)	ND 5.0 880	1000		88.0	37.7	212			
Sample ID:	lcs-67545	SampType: LC	s	Tes	tCode: EF	A Method	8015D: Gasoli	ne Range		
Client ID:	LCSS	Batch ID: 67	545	F	RunNo: <b>88</b>	3144				
Prep Date:	5/18/2022	Analysis Date: 5/	19/2022	S	SeqNo: 31	24750	Units: %Rec			
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB		1900	1000		191	37.7	212			
Sample ID:	mb-67545	SampType: MI	BLK	Tes	tCode: EF	PA Method	8015D: Gasoli	ne Range		
Client ID:	PBS	Batch ID: 67	545	F	RunNo: <b>88</b>	3144		-		
Prep Date:	5/18/2022	Analysis Date: 5/	19/2022	S	SeqNo: 31	24752	Units: %Rec			
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB		910	1000		90.6	37.7	212			

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

/O#:	2205790	

Client: Project:	GHD Mid Judson Au		com 2										
Sample ID:	lcs-67542	Samp	ype: LC	S	Tes	tCode: EF	A Method	8021B: Volati	iles				
Client ID:	LCSS	Batcl	n ID: 67:	542	F	RunNo: <b>88</b>	3144						
Prep Date:	5/18/2022	Analysis [	Date: 5/	19/2022	5	SeqNo: 31	24800	Units: mg/Kg					
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene		0.98	0.025	1.000	0	98.5	80	120					
Toluene		1.0	0.050	1.000	0	99.9	80	120					
Ethylbenzene		1.0	0.050	1.000	0	99.6	80	120					
Xylenes, Total		3.0	0.10	3.000	0	99.2	80	120					
Surr: 4-Brom	nofluorobenzene	0.94		1.000		93.9	70	130					
Sample ID:	mb-67542	Samp	уре: МЕ	BLK	Tes	tCode: EF	PA Method	8021B: Volati	iles				
Client ID:	PBS	Batcl	n ID: 67	542	F	RunNo: <b>88</b>	8144						
Prep Date:	5/18/2022	Analysis [	Date: <b>5/</b>	19/2022	Ş	SeqNo: 31	24801	Units: mg/K	g				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene		ND	0.025										
Toluene		ND	0.050										
Ethylbenzene		ND	0.050										
Xylenes, Total		ND	0.10										
Surr: 4-Brom	nofluorobenzene	0.92		1.000		91.7	70	130					
Comple ID:	2205700 001	Samo	уре: <b>МS</b>		TestCode: EPA Method 8021B: Volatiles								
Sample ID:	2205790-001ams	Camp	ype. wie	)	RunNo: 88144								
Client ID:	SB-1 (22')		n ID: 675				8144		1100				
			n ID: 67	542	F			Units: <b>mg/K</b>					
Client ID:	SB-1 (22')	Batcl	n ID: 67	542	F	RunNo: <b>88</b>		Units: <b>mg/K</b> HighLimit		RPDLimit	Qual		
Client ID: Prep Date:	SB-1 (22')	Batcl Analysis [	n ID: 67: Date: 5/	542 19/2022	F	RunNo: <b>88</b> SeqNo: <b>3</b> 1	24805	_	g	RPDLimit	Qual		
Client ID: Prep Date: Analyte Benzene Toluene	SB-1 (22')	Batcl Analysis I Result	n ID: 675 Date: 5/ PQL	5 <b>42</b> 19/2022 SPK value	F SPK Ref Val	RunNo: 88 SeqNo: 31 %REC	24805 LowLimit	HighLimit	g	RPDLimit	Qual		
Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene	SB-1 (22')	Batch Analysis I Result 0.96 1.0 1.1	Date: <b>5</b> / PQL 0.12 0.24 0.24	542 19/2022 SPK value 0.9579 0.9579 0.9579	F SPK Ref Val 0 0.1210	RunNo: 88 SeqNo: 31 <u>%REC</u> 101 107 104	24805 LowLimit 68.8 73.6 72.7	HighLimit 120 124 129	g	RPDLimit	Qual		
Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total	SB-1 (22') 5/18/2022	Batcl Analysis I Result 0.96 1.0 1.1 4.1	Date: <b>5</b> / PQL 0.12 0.24	542 19/2022 SPK value 0.9579 0.9579 0.9579 2.874	F SPK Ref Val 0 0	RunNo: 88 SeqNo: 31 %REC 101 107 104 107	24805 LowLimit 68.8 73.6 72.7 75.7	HighLimit 120 124 129 126	g	RPDLimit	Qual		
Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total	SB-1 (22')	Batch Analysis I Result 0.96 1.0 1.1	Date: <b>5</b> / PQL 0.12 0.24 0.24	542 19/2022 SPK value 0.9579 0.9579 0.9579	F SPK Ref Val 0 0.1210	RunNo: 88 SeqNo: 31 <u>%REC</u> 101 107 104	24805 LowLimit 68.8 73.6 72.7	HighLimit 120 124 129	g	RPDLimit	Qual		
Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Brom	SB-1 (22') 5/18/2022	Batcl Analysis I Result 0.96 1.0 1.1 4.1 5.2	Date: <b>5</b> / PQL 0.12 0.24 0.24	542 19/2022 SPK value 0.9579 0.9579 0.9579 2.874 4.789	F SPK Ref Val 0 0 0.1210 1.051	RunNo: 88 SeqNo: 31 %REC 101 107 104 107 108	24805 LowLimit 68.8 73.6 72.7 75.7 70	HighLimit 120 124 129 126	g %RPD	RPDLimit	Qual		
Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Brom	SB-1 (22') 5/18/2022 nofluorobenzene	Batcl Analysis I Result 0.96 1.0 1.1 4.1 5.2 SampT	Date: <b>5</b> / PQL 0.12 0.24 0.24 0.24 0.48	542 19/2022 SPK value 0.9579 0.9579 0.9579 2.874 4.789 5D	F SPK Ref Val 0 0 0.1210 1.051 Tes	RunNo: 88 SeqNo: 31 %REC 101 107 104 107 108	24805 LowLimit 68.8 73.6 72.7 75.7 70 24 Method	HighLimit 120 124 129 126 130	g %RPD	RPDLimit	Qual		
Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Brom	SB-1 (22') 5/18/2022 nofluorobenzene 2205790-001amsd	Batcl Analysis I Result 0.96 1.0 1.1 4.1 5.2 SampT	Date: <b>5</b> / PQL 0.12 0.24 0.24 0.24 0.48 Type: <b>MS</b> n ID: <b>67</b>	542 19/2022 SPK value 0.9579 0.9579 0.9579 2.874 4.789 542	F SPK Ref Val 0 0 0.1210 1.051 Tes F	RunNo: 88 SeqNo: 31 %REC 101 107 104 107 108 ttCode: EF	24805 LowLimit 68.8 73.6 72.7 75.7 70 PA Method 8144	HighLimit 120 124 129 126 130	g %RPD	RPDLimit	Qual		
Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Brom Sample ID: Client ID:	SB-1 (22') 5/18/2022 nofluorobenzene 2205790-001amsd SB-1 (22')	Batcl Analysis I Result 0.96 1.0 1.1 4.1 5.2 Samp Batcl	Date: <b>5</b> / PQL 0.12 0.24 0.24 0.24 0.48 Type: <b>MS</b> n ID: <b>67</b>	542 19/2022 SPK value 0.9579 0.9579 0.9579 2.874 4.789 542 19/2022 SPK value	F SPK Ref Val 0 0 0.1210 1.051 Tes F	RunNo: 88 SeqNo: 31 %REC 101 107 104 107 108 ttCode: EF RunNo: 88	24805 LowLimit 68.8 73.6 72.7 75.7 70 PA Method 8144	HighLimit 120 124 129 126 130 8021B: Volati	g %RPD	RPDLimit	Qual		
Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bron Sample ID: Client ID: Prep Date:	SB-1 (22') 5/18/2022 nofluorobenzene 2205790-001amsd SB-1 (22')	Batcl Analysis I Result 0.96 1.0 1.1 4.1 5.2 Samp Batcl Analysis I	PQL 0.12 0.24 0.24 0.24 0.24 0.24 0.48	542 19/2022 SPK value 0.9579 0.9579 2.874 4.789 50 542 19/2022 SPK value 0.9625	F SPK Ref Val 0 0.1210 1.051 Tes F	RunNo: 88 SeqNo: 31 %REC 101 107 104 107 108 stCode: EF RunNo: 88 SeqNo: 31	24805 LowLimit 68.8 73.6 72.7 75.7 75.7 70 24 Method 3144 24806	HighLimit 120 124 129 126 130 8021B: Volati	g %RPD iles				
Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bron Sample ID: Client ID: Prep Date: Analyte Benzene	SB-1 (22') 5/18/2022 nofluorobenzene 2205790-001amsd SB-1 (22')	Batcl Analysis I Result 0.96 1.0 1.1 4.1 5.2 Samp Batcl Analysis I Result 0.95 1.0	Date: 5/ PQL 0.12 0.24 0.24 0.24 0.24 0.48 Type: MS Date: 5/ PQL 0.12 0.24	542 19/2022 SPK value 0.9579 0.9579 0.9579 2.874 4.789 542 19/2022 SPK value	F SPK Ref Val 0 0 0.1210 1.051 Tes F SPK Ref Val	RunNo: 88 SeqNo: 31 %REC 101 107 104 107 108 stCode: EF RunNo: 88 SeqNo: 31 %REC 98.7 106	24805 LowLimit 68.8 73.6 72.7 75.7 70 24 Method 3144 24806 LowLimit	HighLimit 120 124 129 126 130 8021B: Volati Units: mg/K HighLimit	59 %RPD iles 59 %RPD	RPDLimit 20 20			
Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Brom Sample ID: Client ID: Prep Date: Analyte Benzene Toluene	SB-1 (22') 5/18/2022 nofluorobenzene 2205790-001amsd SB-1 (22')	Batcl Analysis I Result 0.96 1.0 1.1 4.1 5.2 SampT Batcl Analysis I Result 0.95 1.0 1.1	Date: 5/ PQL 0.12 0.24 0.24 0.24 0.24 0.48 Type: MS n ID: 675 PQL 0.12 0.24 0	542 19/2022 SPK value 0.9579 0.9579 0.9579 2.874 4.789 50 542 19/2022 SPK value 0.9625 0.9625 0.9625 0.9625	F SPK Ref Val 0 0 0.1210 1.051 Tes SPK Ref Val 0 0 0.1210	RunNo: 88 SeqNo: 31 %REC 101 107 104 107 108 etCode: EF RunNo: 88 SeqNo: 31 %REC 98.7 106 102	24805 LowLimit 68.8 73.6 72.7 75.7 70 24 Method 3144 24806 LowLimit 68.8	HighLimit 120 124 129 126 130 8021B: Volati Units: mg/K HighLimit 120	<b>5g</b> %RPD <b>5g</b> 0.645 1.36	RPDLimit 20 20 20			
Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Brom Sample ID: Client ID: Prep Date: Analyte	SB-1 (22') 5/18/2022 nofluorobenzene 2205790-001amsd SB-1 (22')	Batcl Analysis I Result 0.96 1.0 1.1 4.1 5.2 Samp Batcl Analysis I Result 0.95 1.0	Date: 5/ PQL 0.12 0.24 0.24 0.24 0.24 0.48 Type: MS Date: 5/ PQL 0.12 0.24	542 19/2022 SPK value 0.9579 0.9579 0.9579 2.874 4.789 542 542 19/2022 SPK value 0.9625 0.9625 0.9625	F SPK Ref Val 0 0 0.1210 1.051 Tes 5 SPK Ref Val 0 0 0	RunNo: 88 SeqNo: 31 %REC 101 107 104 107 108 stCode: EF RunNo: 88 SeqNo: 31 %REC 98.7 106	24805 LowLimit 68.8 73.6 72.7 75.7 70 24 Method 2144 24806 LowLimit 68.8 73.6	HighLimit 120 124 129 126 130 8021B: Volati Units: mg/K HighLimit 120 124	5g %RPD 5 6 1.49 0.645	RPDLimit 20 20			

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

Analyte detected below quantitation limits

Р Sample pH Not In Range

Reporting Limit RL

Page 8 of 9

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- J

# W

Client:	GHD Midland									
Project:	Judson Auu State C	Com 2								
Sample ID: Ics-67	545 Samp1	Гуре: LCS	8021B: Volatile	es						
Client ID: LCSS	Batcl	h ID: 67545	RunNo:	88144						
Prep Date: 5/18/2	2022 Analysis [	Date: 5/19/2022	SeqNo:	3124827	Units: %Rec					
Analyte	Result	PQL SPK value	SPK Ref Val %REC	C LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Surr: 4-Bromofluorobe	enzene 0.89	1.000	89.4	4 70	130					
Sample ID: mb-67	545 SampT	Гуре: <b>MBLK</b>	TestCode:	EPA Method	8021B: Volatile	es				
Client ID: PBS	Batcl	h ID: 67545	RunNo:	88144						
Prep Date: 5/18/2	2022 Analysis [	Date: 5/19/2022	SeqNo:	3124828	Units: %Rec					
Analyte	Result	PQL SPK value	ue SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit							
Surr: 4-Bromofluorobe	enzene 0.90	1.000	89.7	7 70	130					

Qualifiers:

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- P Sample pH Not In Range
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Page 9 of 9

2205790

25-May-22

WO#:

	FAL	Hall Environmen 7 TEL: 505-345-39 Website: www	49 1lbuquer 975 FAX	01 Hawk que, NM : 505-34	kins NE 187109 5-4107	Sample Log-In Check List					
Client Name: GHD Midl	and	Work Order Numb	er: 220	5790			RcptNc	: 1			
Received By: Joseph /	Alderette	5/17/2022 8:27:00 A	M		44						
Completed By: Desiree I	Dominguez	5/18/2022 8:35:51 A	M		Top	2					
Reviewed By: WPA	5.18				14	3					
Chain of Custody											
1. Is Chain of Custody com	olete?		Yes		N	<b>b</b>	Not Present				
2. How was the sample deli	vered?		Cou	rier							
Log In 3. Was an attempt made to	cool the samples?										
in an anomptimade to	cool the samples?		Yes		No		NA 🗌				
4. Were all samples received	d at a temperature	of >0° C to 6.0°C	Yes	~	No		NA 🗌				
5. Sample(s) in proper conta	iner(s)?		Yes	~	No						
6. Sufficient sample volume			Yes	~	No						
7. Are samples (except VOA		y preserved?	Yes		No						
8. Was preservative added to	bottles?		Yes		No		NA 🗌				
9. Received at least 1 vial wit	h headspace <1/4	" for AQ VOA?	Yes		No		NA 🔽				
<ol> <li>Were any sample contained</li> </ol>	ers received broke	n?	Yes		No	V					
1. Does paperwork match bo			Yes	<b>V</b>	No		# of preserved bottles checked for pH:	/			
(Note discrepancies on cha 2. Are matrices correctly iden		Curete du D	11.5	-				>12 unless noted)			
3. Is it clear what analyses we		Sustody?	Yes Yes		No		Adjusted?				
4. Were all holding times able (If no, notify customer for a	to be met?		Yes		No No		Checked by:	JU218/15/15			
pecial Handling (if app	licable)										
5. Was client notified of all di		his order?	Yes		No		NA 🗹				
Person Notified:		Date:				_					
By Whom:		Via:	eMa	ail 🗆 F	Phone	Fax	In Person				
Regarding:						1.1.4.1					
Client Instructions:											
16. Additional remarks:											
7. <u>Cooler Information</u> Cooler No Temp °C 1 5.5	Condition Se Good	al Intact Seal No	Seal Da	ite	Signed I	Ву					

Page 1 of 1

	HALL ENVIRONMENTAL		37100				<del>:02 PM</del>													-	<u>Page 79</u>
	NOTINN NORTH	TO LAD	www.hallenvironmental.com ps NF - Alburnierone NM 87100	Eav 505-345-4107	Analysis Request	(tu	əsdA\t	uəs	-	٥٨-	imə	V) 0328 8270 (S Total Co									
	HALL EL		, all	10	Analy	*0			3	slat	əM 8	ерна р В ска б Сјује, в		-		R					
			www.h 4901 Hawkins NF	Tel 505-345-3975	0000	(0)	AM \ O	ла 282	/ O	ЯÐ) səbi	15D oitee	87EX / 1PH:80 8081 Pe 8081 Pe	X			A		_		Remarks:	
Turn-Around Time:	□ Standard \\ Rush 4  \	;; // _=	Judson Aun State Com #2	Project #:	12579830	Project Manager: Amber Cori Ffra @ Eoch	ma. proc		ETYes DNo	olers: 1	Cooler Temp(Including CF): 5. 5 - 0 = 5.5 (°C)	Container Preservative HEAL No. Type and # Type 3205490	-001	-002	- 003	H00-				Date Time	1406
Chain-of-Custody Record	client: GHD		Mailing Address:		Phone #:	email or Fax#:	QA/QC Package:	Accreditation:		EDD (Type)		Date Time Matrix Sample Name	5/16/1610 5 8 53-1 (22')	- 1 (	1 1630 1 5B-1 (30')	V 1640 V 53-1 (35')				Date: Time: Relinquished by:	te: 1

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	137551					
	Action Type:					
	[C-141] Release Corrective Action (C-141)					

CONDITIONS

Created By Condition

bbillings Please secure segregated soils from possible rain impact. CONDITIONS

Action 137551

Condition Date

8/24/2022