



## **SITE REMEDIATION REPORT**

**MCCULLAR PROPERTY  
SECTION 16, TOWNSHIP 16S, RANGE 26E  
EDDY COUNTY, NEW MEXICO  
32.920457, -104.394299  
RANGER REFERENCE NO. 5375**

### **PREPARED FOR:**

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### **PREPARED BY:**

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**JANUARY 6, 2022**

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## TABLE OF CONTENTS

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<b>1.0</b>	<b>SITE LOCATION AND BACKGROUND .....</b>	<b>1</b>
<b>2.0</b>	<b>SITE ASSESSMENT .....</b>	<b>1</b>
2.1	Initial Site Assessment – July 27-30, 2021 .....	1
2.2	Sample Results .....	2
<b>3.0</b>	<b>SITE CHARACTERIZATION .....</b>	<b>2</b>
3.1	Depth to Groundwater and Water Well Locations .....	2
3.2	Wellhead Protection Area .....	3
3.3	Distance to Nearest Significant Watercourse .....	4
3.4	Regulatory Criteria .....	4
<b>4.0</b>	<b>SITE REMEDIATION .....</b>	<b>4</b>
4.1	August 19, 2021 – Project Conference Call .....	4
4.2	Remedial Excavation Process .....	5
4.3	Excavation Area Details and Confirmation Sampling .....	6
4.3.1	Areas “A-1”, “A-2”, “A-3”, “B-1”, B-2”, and “B-3” .....	6
4.3.2	Areas “A-7”, “A-8”, “A-9”, “B-7”, B-8”, and “B-9” .....	6
4.3.3	Areas “A-4”, “A-5”, “A-6”, “B-4”, B-5”, and “B-6” .....	7
4.3.4	“C Row” (“C-1” through “C-13”) .....	7
4.3.5	Areas “A-10”, “A-11”, “A-12”, “A-13”, “B-10”, B-11”, “B-12” and “B-13” .....	8
4.4	Sample Results .....	8
4.4.1	Areas “A-1”, “A-2”, “A-3”, “B-1”, B-2”, and “B-3” .....	8
4.4.2	Areas “A-7”, “A-8”, “A-9”, “B-7”, B-8”, and “B-9” .....	8
4.4.3	Areas “A-4”, “A-5”, “A-6”, “B-4”, B-5”, and “B-6” .....	9
4.4.4	“C Row” (“C-1” through “C-13”) .....	9
4.5	Concrete Walkway Area (Areas “A-4”, “A-5”, & “A-6”) .....	9
<b>5.0</b>	<b>WASTE DISPOSAL AND BACKFILL .....</b>	<b>11</b>
<b>6.0</b>	<b>CONCLUSIONS AND CLOSURE REQUEST .....</b>	<b>11</b>

## **FORM C-141**

### **FIGURES**

- Topographic Map
- Area Map
- Site Vicinity Map
- Water Well Location Map
- National Wetland Inventory Map
- Karst Topography Map
- FEMA Floodplain Map
- Initial Assessment Sample Location Map
- Initial Assessment Exceedance Maps (0'-4')
- Site Excavation Map
- Confirmation Soil Sample Map
- Walkway Sample Location Map

### **TABLES**

- Table 1 – Site Assessment Soil BTEX (EPA 8260), TPH (EPA 8015) & Chloride (EPA 300) Analytical Data
- Table 2 – Confirmation Soil Sample Soil BTEX (EPA 8260), TPH (EPA 8015) & Chloride (EPA 300) Analytical Data

### **ATTACHMENTS**

- Attachment 1 – USGS and NMOSE Water Well Data
- Attachment 2 – Site Photographs
- Attachment 3 – Laboratory Analytical Reports
- Attachment 4 – Concrete Walkway Area Correspondence



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## **1.0 SITE LOCATION AND BACKGROUND**

The McCullar Property (Site) is located approximately 5.4 miles north of Artesia within Eddy County, New Mexico. The facility is situated in Section 16, T16S-R26E at GPS coordinates 32.920457, -104.394299.

Based on information provided to Ranger, it is believed that soil associated with the remediation of a produced water release may have been brought to the property by a third party. The available information indicates that the soil was placed to the south and southeast of a horse stable/pen area located on the subject property. Reports indicate that the soil was potentially deposited to a maximum depth of approximately three feet to level off areas.

EOG Resources, Inc. (EOG) has engaged Ranger Environmental Services, Inc. (Ranger) to assist in assessment and remedial efforts at the Site. An initial assessment plan was developed, submitted and received preliminary approval by the NMOCD on June 9, 2021. Per NMOCD instruction, received during an August 19, 2021 conference call, remedial excavation efforts were completed at the site. The following document has been prepared in order to document the completed efforts at the site to address the observed soil conditions.

Topographic and area maps depicting the site location are attached.

## **2.0 SITE ASSESSMENT**

### **2.1 Initial Site Assessment - July 27-30, 2021**

From July 27 through July 30, 2021, Ranger personnel and representatives for EOG conducted the initial assessment activities at the Site. During the initial assessment a total of 39 approximate 200 square foot areas were assessed. Within each approximate 200 foot square area, composite soil samples were collected for laboratory analysis.

Within two of the 39 assessment areas, areas "A-5" and "A-6", a hard layer with a potential hollow area was observed at depths of two to three inches below ground level (bgl). Due to the presence of the observed abnormality, the assessment was limited in depth and composite soil samples were collected from surface depth interval only. The surface composite samples were comprised of equal parts collected from five randomly selected locations within each assessment area.



In the remaining 37 assessment areas, a hand auger was utilized to collect composite soil samples at the ground surface and at one foot depth intervals to a maximum depth of approximately four feet bgl. The composite soil samples were comprised of five equal parts of soil from five separate locations within each sample area and at each target sample depth interval (ground surface and at one foot, two feet, three feet, and four feet bgl). The composite soil sampling process included the placement of the five sample parts into new, one gallon Ziploc® bags. The composite parts were then thoroughly mixed, and a composite sample was collected from the mixture for laboratory analysis. Upon completion of the sampling process, the boring locations were backfilled with the generated soil cuttings.

A total of 187 composite samples were collected for laboratory analysis during the initial assessment process. Upon collection, the soil samples were submitted to Hall Environmental Laboratory, 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.

An Initial Assessment Sample Location Map depicting the assessment area locations is attached. Table 1 provides a summary of the initial assessment soil analytical results.

## **2.2 Sample Results**

Due to the depth of the initial investigation activities (surface to four feet bgl), and the site characterization information detailed below, the initial assessment soil sample laboratory analytical results were compared to the Restoration, Reclamation and Re-Vegetation criteria (19.15.29.13 NMAC) / Table 1 19.15.29.12 NMAC (groundwater ≤50 feet) criteria. As summarized in Table 1, 36 of the 39 sampling locations were documented to contain chloride concentrations in excess of the regulatory criteria of 600 parts per million (ppm) in at least one or more of the assessed depth intervals. A majority of the elevated chloride levels were noted to be within the surface to two foot depth interval, however, several locations were noted to contain elevated chloride concentrations at the three and four foot depth intervals.

The laboratory sample results also documented elevated soil TPH concentrations in eight of the assessment areas. The elevated TPH concentrations were limited to the surface depth interval. Each of the assessment areas containing the elevated soil TPH concentrations were also documented to contain significantly elevated soil chloride concentrations.

Five "Exceedance Maps" are attached which illustrate the areas and depth intervals that were documented to contain elevated soil chloride and TPH concentrations. One map was prepared for each sampled depth interval (i.e. - surface, 1', 2', 3' and 4' depth intervals).

## **3.0 SITE CHARACTERIZATION**

### **3.1 Depth to Groundwater and Water Well Locations**

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, the depth-to-groundwater within a half-mile of the Site is variable but may occur at depths of less than 50 feet below ground surface. Copies of

the reviewed information for wells within a half-mile containing depth-to-groundwater information are attached.

Based on field observations and information available via the NMOSE and USGS, 17 water wells were noted to be within the half-mile radius of the Site. However, it appears that location information for several wells either does not appear to be correct or the wells have been plugged and abandoned as no wells were observed at these reported locations. A summary of the water well information is presented below:

<u>Well ID</u>	<u>Distance and Direction From Assessment Area</u>
<sup>1</sup> "McCullar Property Water Well"	~105 feet northwest
*USGS 325513104233701	~216 feet east
*USGS 325513104233601	~290 feet west
USGS 325517104234001	~360 feet north
RA 01295	~400 feet north
RA 11453 POD1	~830 feet north
RA 01295 S	~900 feet south
RA 05250	~1,370 feet northeast
RA 00308	~1,560 feet south
USGS 325529104233901	~1,570 feet north
RA 00801	~1,640 feet southwest
RA 00309	~1,760 feet north
RA 04861	~1,900 feet north-northwest
RA 11081 POD1	~2,030 feet southeast
RA 09757	~2,220 feet south
RA 09924	~2,220 feet south
RA 10928 POD1	~2,580 feet south-southeast

<sup>1</sup>Indicates that the well was observed by Ranger personnel.

\*Indicates that the subject water well was not observed at the reported location.

### 3.2 Wellhead Protection Area

Up to seven water wells, most notably the "McCullar Property Water Well," are (or may be) located within 1,000 feet of the current assessment area.

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

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

The Site is within 300 feet of a permanently occupied residence.

The Site area is within an area of "Low Karst" probability.

Site maps depicting the FEMA Floodplain Zone, location of the occupied permanent residence, and Karst probability designation are attached.

### 3.3 Distance to Nearest Significant Watercourse

The USGS Topographic Map for the area surrounding the Site indicates that two intermittent streams are present within a half-mile of the Site. One area is located approximately 60 feet north of the Site and the second is located approximately 380 feet south of the Site. The two features appear to be maintained drainage features to assist in the drainage of the adjacent agricultural fields.

### 3.4 Regulatory Criteria

Based on the site characterization details, the applicable regulatory criteria for the site are the Restoration, Reclamation and Re-Vegetation criteria (19.15.29.13 NMAC) and Table 1 19.15.29.12 NMAC (groundwater  $\leq 50$  feet) criteria. The regulatory criteria is detailed below:

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

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

## 4.0 SITE REMEDIATION

### 4.1 August 19, 2021 - Project Conference Call

Upon completion of the initial assessment activities and review of the soil sample laboratory results, the EOG project team reached out to representatives of the NMOCD to provide an update to the project and discuss options moving forward. The primary reasons for the call were to determine an appropriate course of action for the elevated soil TPH concentrations and to discuss proposed additional assessment to delineate the elevated concentrations. On August 19, 2021, a conference call between the EOG project team and representatives from the NMOCD (Emily Hernandez, Mike Bratcher, and Jesse Tremaine) took place. Prior to the conference call, the participating representatives for the NMOCD were provided the sample results and figures depicting the sample locations.

As discussed above, one of the primary reasons for the call was to determine an appropriate course of action for the elevated soil TPH concentrations that were documented during the performance of the initial assessment activities. The elevated TPH concentrations were noted to be present in the surface soil, and as such there was concern regarding the potential for human and/or livestock contact with these soils. In order to limit any potential contact with the TPH-affected surface soils, EOG proposed to conduct interim soil removal operations to target the removal of these soils.

Upon discussing the methodologies and results of the initial assessment activities, and discussing the concerns related to the areas exhibiting elevated soil TPH concentrations, representatives for the NMOCD provided project guidance and directives for the project moving forward. In an alternative to the proposed plan presented by EOG, the NMOCD representatives participating in the call proposed that approximately 2.5 feet of material be removed from the deposition/assessment area and that additional samples be concurrently collected for delineation and cleanup confirmation purposes. The NMOCD representatives also confirmed the Site cleanup criteria to be the Restoration, Reclamation and Re-Vegetation criteria (19.15.29.13 NMAC) and Table 1 19.15.29.12 NMAC (groundwater  $\leq 50$  feet) criteria detailed above.

## **4.2 Remedial Excavation Process**

From October 18, 2021 through November 4, 2021, soil removal operations were conducted at the site. Based on the nature of the areas in need of removal operations, surrounding and beneath the metal horse pen/stable structure, the removal operations were conducted in phases so as to not compromise the integrity of the structure. Throughout the excavation and remedial process, confirmation soil samples for laboratory analysis were collected. Details of the sampling process are included below. During the soil removal operations and soil sampling process, Ranger personnel field screened the soils from the subject areas using an organic vapor monitor (OVM) and a field chloride titration kit to assist in evaluating the soil conditions and confirm removal operations were completed to appropriate boundaries.

As directed by the NMOCD, soil removal operations were initially completed to a minimum depth of approximately 2.5 feet bgl throughout the assessment area. Further soil removal and/or assessment activities were then conducted in the areas where the initial assessment activities had documented elevated chloride concentrations at greater depths. Full details of the sampling process and results are included below.

The initial soil removal operations were completed below the metal horse pen/stable structure and included the "A" and "B" rows of the assessment grid. The excavation activities had to be conducted in phases so they would not jeopardize the integrity of the metal pole supports for the horse pen/stable structure. The locations noted to be below the metal structure included the "A-1" through "A-9" areas and portions of the "B-1" through "B-9" areas. Along the northern portion of the "A-1" through "A-9" areas is a concrete walkway which, according to the land owner, was present at the time of the deposition of the affected soils.

Cleanup confirmation soil samples were collected during the soil removal process and upon attainment of the applicable regulatory cleanup criteria these areas were backfilled with clean fill material. To ensure the integrity of the metal pole supports, a small amount of soil surrounding each pole was initially left in place. Upon receipt of cleanup confirmation soil sample analytical results documenting attainment of the site cleanup criteria, the minor amount of soil left in place surrounding each of the metal supports was then removed prior to backfilling with clean fill material. Since the concrete walkway was reportedly present at the time of the deposition of the affected soils, the soil excavation activities were halted at the southern boundary of the walkway.

Upon completing the excavation activities beneath the horse pen/stable area, soil removal operations were then shifted towards the "C Row" of the remediation area. The "C Row" areas were located to the south of the horse pen/stable structure in an area utilized as an access road for other portions of the property.

Upon completion of the excavation activities in the "C Row" area, soil removal operations were then completed in the final remaining areas located to the east of the horse pen/stable structure which included the "A-10" through A-13" and "B-10" through "B-13" areas. A horse "hot walker" was located in this area and as such had to be disassembled and subsequently reassembled to allow for the soil removal operations to be completed.

#### **4.3 Excavation Area Details and Confirmation Sampling**

Cleanup confirmation soil samples were collected for laboratory analysis throughout the remedial process from the areas within and surrounding the excavated areas. Upon completion of the soil removal operations in each area, cleanup confirmation soil samples were collected from the excavation base and sidewalls. In areas where the horizontal extent of the deposited affected soils was in question, surface soil samples were collected adjacent to the assessment/remediation area to ensure that all affected soils had been delineated and properly remediated. All samples collected as part of the remedial activities were done so in accordance with NMAC 19.15.29.12(D), as five-part composite samples with each sample representing no more than 200 square feet.

The composite soil sampling process included the collection of five sample parts and placement of the parts into a new, one gallon Ziploc® bag. The composite parts were then thoroughly mixed, and a composite sample was collected from the mixture for laboratory analysis. Upon collection, the soil samples were submitted to Cardinal Laboratories in Hobbs, New Mexico for analysis of TPH using EPA Method 8015; BTEX using EPA Method 8021; and, total chloride using method SM 4500. The samples were collected and managed using standard QA/QC and chain-of-custody procedures.

Further details of the remedial and cleanup confirmation sampling process within each sampling area are summarized below.

##### **4.3.1 Areas "A-1", "A-2", "A-3", "B-1", B-2", and "B-3"**

The excavation of this area was primarily completed to a depth of approximately 2.5 feet bgl except for area "A-3" which was excavated to a maximum depth of approximately 4.25 feet bgl. A composite cleanup confirmation soil sample was then collected from each of the six approximate 200 square foot areas.

Cleanup confirmation soil samples were also collected from the northern and western side walls of the excavated areas (Samples "NW-1" and "WW-1"). A composite cleanup confirmation soil sample ("A-W/O") was also collected from the surface soils located to the west of the "A-1" area to confirm the delineation of the western extent of the affected soils in this area.

##### **4.3.2 Areas "A-7", "A-8", "A-9", "B-7", B-8", and "B-9"**

These areas were excavated to a depth of approximately 2.5 feet bgl. Composite cleanup confirmation soil samples were subsequently collected from each of the six approximate 200 square foot areas. Cleanup confirmation soil sample "NW-2" was also collected from the northern side wall of this area below the concrete walkway.



#### 4.3.3 Areas "A-4", "A-5", "A-6", "B-4", B-5", and "B-6"

As previously detailed, during the initial assessment process at the site a hollow sounding feature in the "A-5" and "A-6" areas was detected. As such, this location was excavated by hand until it was determined that the hollow sound was associated with a dried manure/hay mixture forming a board like layer approximately six to eight inches thick. After this, the remediation of the subject areas continued and these affected areas were mostly excavated to a depth of approximately 2.5 feet bgl (areas "A-5", "A-6", "B-4", & "B-5"). In the "A-4" area the excavation was completed to a depth of approximately three feet bgl and in the "B-6" area excavation was completed to a depth of approximately 3.25 feet bgl. Composite cleanup confirmation soil samples were then collected from each of the six approximate 200 square foot areas.

Along the northern wall of the excavation area, below the concrete walkway, field chloride readings indicated that elevated soil chloride concentrations remained present. To assess the conditions and extent of the elevated chloride concentrations along the northern wall, multiple soil samples were collected from the area. Full details regarding the assessment and ultimate fate of the concrete walkway area is provided in Section 4.5.

#### 4.3.4 "C Row" ("C-1" through "C-13")

Soil removal activities in the "C Row" area were completed to a depth of approximately 2.5' – 3' bgl. Areas "C-1" through "C-7" were completed to a depth of approximately 2.5 feet bgl and areas "C-8" through "C-13" were completed to a depth of approximately three feet bgl. Composite cleanup confirmation soil samples were then collected from each of the 13 approximate 200 square foot areas. Cleanup confirmation soil samples were also collected from the southern side wall of the excavated areas. Based on the dimensions of the excavation's southern wall, a total of three composite soil samples (SW-1, SW-2 and SW-3) were collected for laboratory analysis.

Seven surface soil samples were also collected to the south, east and west of this remedial area in order to confirm the delineation of the horizontal extent of the soil impacts. Composite soil samples C-W and C-E were collected to the west and east of the sample/remediation area, while five composite soil samples (CS-1 through CS-5) were collected to evaluate surface soils to the south of the excavation area.

It should be noted that during the initial site assessment soil samples collected in the "C-5" area indicated that elevated soil chloride concentrations were present at the surface, one foot, and four-foot depth intervals. However, the samples collected at the two and three-foot depth intervals were noted to have chloride concentrations below the applicable regulatory level of 600 ppm. During the remedial process, field readings collected at a depth of 2.5 feet bgl once again indicated that the chloride concentrations were within the applicable regulatory criteria and that the imported affected soils did not extend beyond this depth. As such, a decision was made to reassess the four-foot depth interval. Five test excavation holes were subsequently completed to a depth of approximately four feet bgl and field chloride readings were collected which indicated that the soil chloride concentrations were below the applicable regulatory criteria. To confirm the absence of any chloride impacts below 2.5' bgl in this area, soil samples were collected for laboratory analysis from the 2.5' and 4' depth intervals. The laboratory analytical results confirmed the absence of any elevated soil chloride concentrations in these samples.

#### 4.3.5 Areas "A-10", "A-11", "A-12", "A-13", "B-10", B-11", "B-12" and "B-13"

Soil removal operations in these areas were primarily completed to a depth of approximately 2.5 feet bgl except for area "B-13" where removal was completed to a depth of approximately three feet bgl. A minimum of one composite soil sample was then collected from each approximate 200 square foot area.

Cleanup confirmation soil samples were also collected from the northern and eastern side walls of these excavated areas. Sample "NW-4" was collected from northern wall of the excavation area, including locations below the concrete walkway area. Sample "EW-2" was collected from the eastern wall of the excavated area. To confirm the delineation of the horizontal extent of impacts to the north and east of the remedial area, composite surface soil samples CN-1 and A-E were collected from these areas.

In the "A-13" area, soil samples collected during the initial assessment indicated that elevated chloride concentrations were present at depths of approximately two, three, and four feet bgl. Upon reaching a depth of approximately 2.5 feet bgl in this area during the remedial excavation process, field readings indicated that chloride concentrations were within the applicable 600 ppm regulatory criteria. As such, five test excavations were completed to the three and four-foot depth intervals in order to reassess these soils. Upon reaching these depths, field readings once again indicated that the soil chloride concentrations were below the applicable 600 ppm regulatory criteria. In order to confirm the field readings, soil samples were collected for laboratory analysis from the 2.5', 3' and 4' depth intervals. These samples confirmed the absence of any elevated soil chloride concentrations.

In the "B-13" area, soil samples collected during the initial assessment indicated that soil concentrations at a depth of four feet bgl were minimally in exceedance of the 600 ppm regulatory criteria (B-13/4' = 610 ppm Cl). However, the soil samples collected at the surface, one foot, two foot, and three foot intervals were noted to have chloride concentrations below the applicable criteria for chloride. Following the excavation of this area to a depth of approximately three feet bgl, additional assessment was completed to determine whether further over excavation was needed. A test excavation was completed to a depth of approximately four feet bgl where field readings indicated that the soil chloride concentrations were below the applicable 600 ppm closure criteria. Cleanup confirmation soil samples were then collected for laboratory analysis from the three- and four-foot depth intervals which confirmed the absence of any elevated soil chloride concentrations.

#### 4.4 Sample Results

##### 4.4.1 Areas "A-1", "A-2", "A-3", "B-1", B-2", and "B-3"

The final laboratory analytical results for these areas confirmed attainment of the applicable regulatory closure criteria. No exceedances of the closure criteria were documented in surface soil sample A-W/0 thus confirming that no affected soils had been placed to the west of the "A-1" assessment area.

##### 4.4.2 Areas "A-7", "A-8", "A-9", "B-7", B-8", and "B-9"

The final laboratory analytical results for these areas confirmed attainment of the applicable regulatory closure criteria.



#### 4.4.3 Areas "A-4", "A-5", "A-6", "B-4", B-5", and "B-6"

The laboratory analytical results for the cleanup confirmation soil samples collected from the excavation base in the "A-4", "A-5", "A-6", "B-4", B-5", and "B-6" areas documented attainment of the applicable regulatory closure criteria.

As previously discussed, field readings collected during the remedial process indicated that soils along the northern wall of this area beneath the concrete walkway still contained elevated chloride concentrations. These field readings were confirmed by the sampling and analysis of this area which documented the presence of chloride concentrations above the applicable regulatory level of 600 ppm. Full details regarding the assessment and ultimate fate of this area is provided in Section 4.5, below.

#### 4.4.4 "C Row" ("C-1" through "C-13")

The laboratory analytical results for the excavation base samples collected in the "C Row" documented attainment of the applicable regulatory closure criteria. The sample collected from the "C-5" area at the terminal excavation depth of approximately 2.5 feet bgl, as well as the sample collected from the assessment depth of approximately four feet bgl, were both documented to contain chloride concentrations below the applicable regulatory level of 600 ppm. Thus, the elevated soil chloride concentration at 4' bgl which was documented during the initial assessment appears to have been potentially caused by sloughing of the overlying affected soils. All of the samples collected from the excavation walls and surface areas surrounding the "C Row" were documented to be in attainment of the applicable regulatory closure criteria

#### 4.4.5 Areas "A-10", "A-11", "A-12", "A-13", "B-10", B-11", "B-12" and "B-13"

The final laboratory analytical results for these areas confirmed attainment of the applicable regulatory closure criteria. The laboratory analytical results for the assessment samples collected in the "A-13" area at depths of approximately 2.5', 3' and 4' bgl were documented to be in attainment of the applicable regulatory closure criteria. The laboratory analytical results for the assessment samples collected in the "B-13" area at depths of approximately 3' and 4' bgl were also documented to be in attainment of the applicable regulatory closure criteria. Thus, based on the information collected during the remedial process, all of the affected soils in this area appear to have been removed. As with the "C-5" area, sloughing of overlying affected soils is suspected to have occurred during the initial assessment process.

Surface soil samples CN-1 and A-E were documented to be in attainment of the applicable regulatory closure criteria thus confirming that no affected soils had been placed to the north or east of the assessment area.

#### 4.5 Concrete Walkway Area (Areas "A-4", "A-5", & "A-6")

Upon conducting removal operations in the "A-4", "A-5", and "A-6" areas, field readings collected from the northern wall of the excavation below the concrete walkway indicated that the soil chloride concentrations were elevated. Due to the location of the soils below the walkway, additional assessment was completed. On October 25, 2021, horizontal assessment borings were completed in the excavation side wall below the concrete walkway.



A decontaminated hand shovel was utilized to complete five test locations to a maximum extent of 18 inches into the sidewall area below the concrete walkway. The test locations were completed at varying depths from approximately one foot (immediately below the walkway) to two feet bgl. Field readings indicated that elevated chloride concentrations were present from the excavation wall to the terminal extent of the borings at 18 inches. A five-part composite soil sample (N WALL / 1.5'-18") was subsequently collected for laboratory analysis from the test borings. The analytical results for this sample confirmed the presence of soil chloride concentrations in excess of the 600 ppm regulatory criteria.

Based upon the sample N WALL / 1.5'-18" laboratory analytical results, additional assessment activities were completed on October 26, 2021. Ranger personnel conducted the additional assessment using a decontaminated hand auger. Five horizontal soil borings were installed to an approximate depth of 2.5 feet into the sidewall and another five-part composite soil sample (NW-3) was collected for laboratory analysis. The field readings continued to document elevated chloride concentrations to the terminal extent of the assessment. The elevated field chloride readings were once again confirmed by the laboratory analytical results which documented exceedance of the 600 ppm regulatory criteria.

Based on the sample NW-3 analytical results, additional hand auger assessment was completed on October 28, 2021 to a maximum extent of approximately four feet into the excavation sidewall below the walkway area. A third five-part composite soil sample (NW-3.1) was collected for laboratory analysis which continued to document an exceedance of the 600 ppm regulatory criteria.

During the site remedial process, discussions with the property owner routinely took place to update them in regard to the progress and schedule of activities at the site. Upon discussion of the observed elevated soil chloride concentrations below the concrete walkway, the property owner presented concerns about this area. According to the landowner, this walkway was in place prior to the deposition of the affected soil at the site. As such, the landowner contended that none of the affected fill material could have been placed below the walkway. Strong concerns were also presented by the landowner about possible removal of material from below the walkway that could potentially cause future stability issues for the walkway.

In summary, based upon the site assessment data and the information provided by the landowner that none of the affected fill material was placed beneath the concrete walkway, it appeared to Ranger that the slightly elevated chloride concentrations beneath the concrete walkway were not associated with the placement of the affected fill material/soil at the site.

In order to proceed forward in a path approved by both the landowner and NMOCD, on November 8, 2021, representatives for EOG updated the NMOCD as to the details of the concrete walkway area. The information regarding the area was provided to the NMOCD and a request was made to leave the material in place. Upon review of the site information, the NMOCD approved the request to leave the material in place with the stipulation that landowner approval to leave the material in place would be required. Upon relaying the information to the NMOCD, the landowner approved leaving the material in place.

Copies of the NMOCD and property owner correspondence are attached.



## 5.0 WASTE DISPOSAL AND BACKFILL

All soils generated during the remedial excavation activities were transported and disposed of at Lea Land disposal facility in Lea County, New Mexico. Approximately 935 cubic yards of material were excavated and transported to disposal from the Site.

As previously stated upon attainment of the applicable regulatory cleanup criteria the excavated areas were backfilled with clean fill material. Based on the usage of the area as a pen/stable area and access road, caliche fill material was utilized in the "A-1" through "A-9", "B-1" through "B-9", and "C Row" areas. Additionally, in the access road area a gravel base was placed to assist in dust suppression due to vehicle traffic in the area. In the "A-10" through "A-13" and "B-10" through "B-13" areas, caliche fill material was utilized to backfill from the terminal depth of the excavated areas to approximately 18 inches bgl. The surface to 18 inches bgl interval was filled with topsoil material, as requested by the landowner.

## 6.0 CONCLUSIONS AND CLOSURE REQUEST

Based on the details of the remedial efforts at the site, the soil sample analytical results, and the information regarding the walkway area, the impacts associated with the subject soil deposition at the site appear to have been properly addressed and EOG respectfully request closure of the incident. A final C-141 form is attached.

FORM C-141

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

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

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

Incident ID	nAPP2113151109
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

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

### Location of Release Source

Latitude 32.920457 Longitude -104.394299  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name McCullar Property	Site Type Private Residence (36 S. Espuela Rd., Lake Arthur, NM 88253)
Date Release Discovered August 2020 (pending continuing investigation)	API# (if applicable)

Unit Letter	Section	Township	Range	County
L	16	16S	26E	Eddy

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name: Kerry McCullar)

### Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input checked="" type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Unauthorized soil disposal	Approximately 160 cubic yards	None at this time (pending continuing investigation)

#### Cause of Release


As EOG reported to NMOCD on 1/6/21, EOG is undertaking an investigation, including site characterization and sampling, to determine whether EOG's environmental contractor, Energy Staffing Services, LLC ("ESS"), transported and delivered to the McCullar Property, without EOG's knowledge or approval, approximately 160 cubic yards of soil on or around October 2020 that had been excavated from EOG's well pad at the Inex #003 Well (API 30-015-25916) and may have been contaminated with chlorides. As EOG also reported to NMOCD on 1/6/21, EOG is unable to determine whether soil contaminated with chlorides was delivered to the McCullar Property based on available records and its investigation to date. EOG is unable to determine therefore whether an unauthorized release has occurred. EOG will update this C-141 and keep the NMOCD apprised as its investigation and site characterization continues, as appropriate.

Incident ID	NAPP2113151109
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?  <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

### Initial Response

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

<input type="checkbox"/> The source of the release has been stopped.	
<input type="checkbox"/> The impacted area has been secured to protect human health and the environment.	
<input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
<input type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why: As stated above, and previously to NMOCD, EOG has been unable to determine that an unauthorized release has occurred to date; however, EOG has undertaken and is undertaking the following steps: (1) Provided written notice on 12/11/20 to the owner of the McCullar Property that soil potentially contaminated with chlorides may have been transported and deposited on her property by ESS; (2) Obtained approval from the McCullar Property owner to access the location to conduct sampling; and (3) Preparing for NMOCD approval of a site characterization and sampling plan for the McCullar Property. EOG will confer with NMOCD on next steps after the site characterization and sampling have been completed and submitted for NMOCD review.	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Chase Settle</u>	Title: <u>Rep Safety &amp; Environmental Sr</u>
Signature: <u></u>	Date: <u>05/11/2021</u>
email: <u>Chase_Settle@eogresources.com</u>	Telephone: <u>575-748-1471</u>
<b><u>OCD Only</u></b>	
Received by: <u>Ramona Marcus</u>	Date: <u>5/18/2021</u>

Incident ID	
District RP	
Facility ID	
Application ID	

## Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	_____ (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input type="checkbox"/> 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)?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input type="checkbox"/> 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?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input type="checkbox"/> No

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

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

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

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

State of New Mexico  
Oil Conservation Division

Page 4

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Incident ID	
District RP	
Facility ID	
Application ID	

## Remediation Plan

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

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

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

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

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

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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

Signature: \_\_\_\_\_ Date: \_\_\_\_\_



Incident ID	
District RP	
Facility ID	
Application ID	

## Closure

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

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

- ☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☐ Laboratory analyses of final sampling (Note: appropriate OCD District office must be notified 2 days prior to final sampling)
- ☐ Description of remediation activities

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Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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

Closure Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

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

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

CONDITIONS

Action 28297

**CONDITIONS OF APPROVAL**

Operator:	EOG RESOURCES INC	P.O. Box 2267	Midland, TX79702	OGRID:	7377	Action Number:	28297	Action Type:	C-141
OCD Reviewer	Condition								
marcus	None								

Incident ID	NAPP2113151109
District RP	
Facility ID	
Application ID	

## Site Assessment/Characterization

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Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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State of New Mexico  
Oil Conservation Division

Page 4

Incident ID	NAPP2113151109
District RP	
Facility ID	
Application ID	

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Printed Name: Chase Settle Title: Rep Safety & Environmental Sr  
Signature: Chase Settle Date: 01/03/2022  
email: Chase\_Settle@eogresources.com Telephone: 575-748-1471

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Incident ID	NAPP2113151109
District RP	
Facility ID	
Application ID	

## Remediation Plan

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

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- ☒ 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
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- ☐ Extents of contamination must be fully delineated.
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Printed Name: Chase Settle Title: Rep Safety & Environmental Sr  
Signature: Chase Settle Date: 01/03/2022  
email: Chase\_Settle@eogresources.com Telephone: 575-748-1471

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Incident ID	NAPP2113151109
District RP	
Facility ID	
Application ID	

## Closure

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

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

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

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Printed Name: Chase Settle Title: Rep Safety & Environmental Sr  
Signature: Chase Settle Date: 01/03/2022  
email: Chase\_Settle@eogresources.com Telephone: 575-748-1471

**OCD Only**

Received by: Chad Hensley Date: 01/20/2022

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

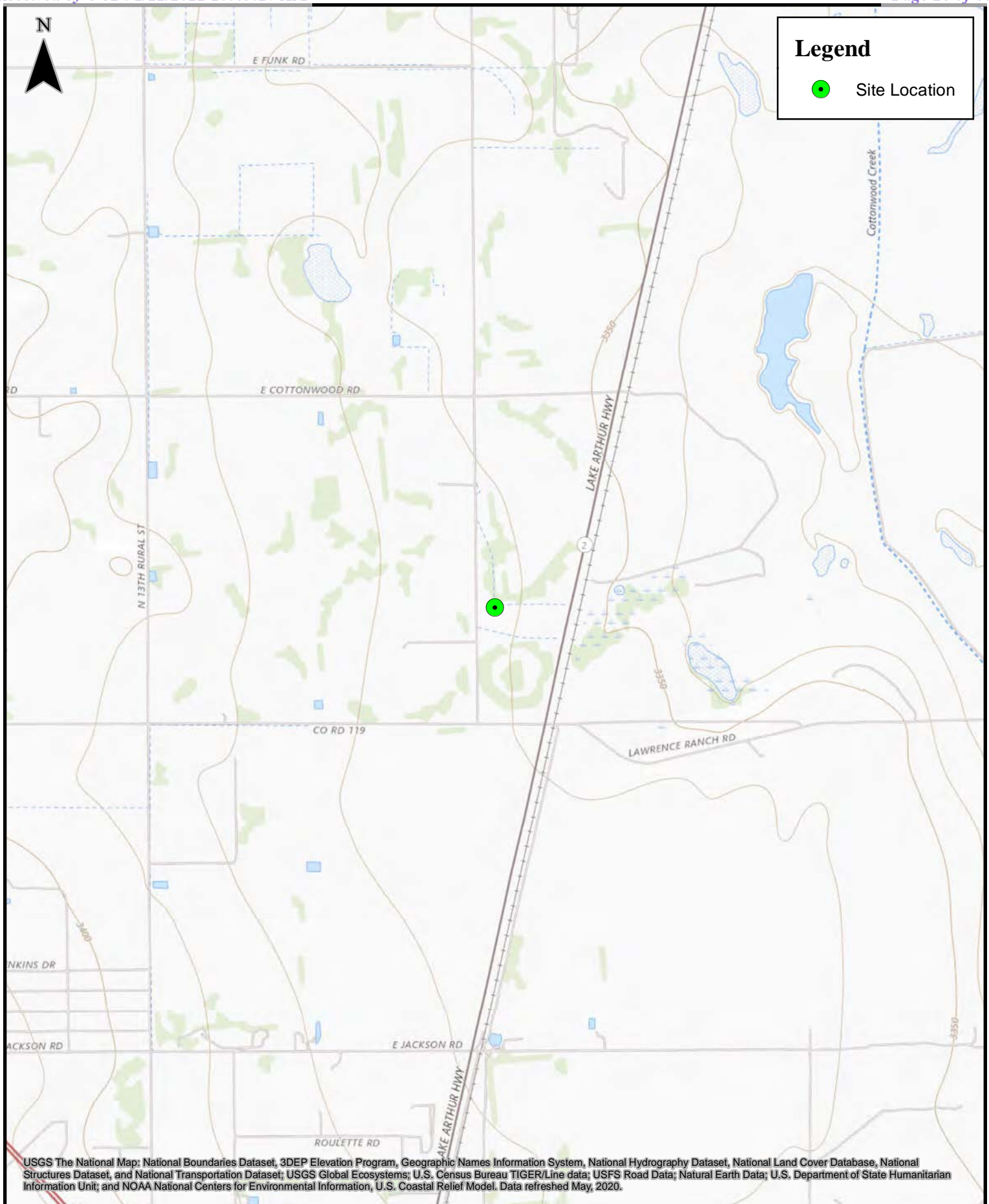
Closure Approved by: Chad Hensley Date: 01/20/2022

Printed Name: Chad Hensley Title: Environmental Specialist Advanced

## ATTACHMENT 1 - FIGURES

Topographic Map  
Area Map  
Site Vicinity Map  
Water Well Location Map  
National Wetland Inventory Map  
Karst Topography Map  
FEMA Floodplain Map  
Initial Assessment Sample Location Map  
Initial Assessment Exceedance Maps (0'-4')  
Soil Excavation Map  
Confirmation Soil Sample Map  
Walkway Sample Location Map



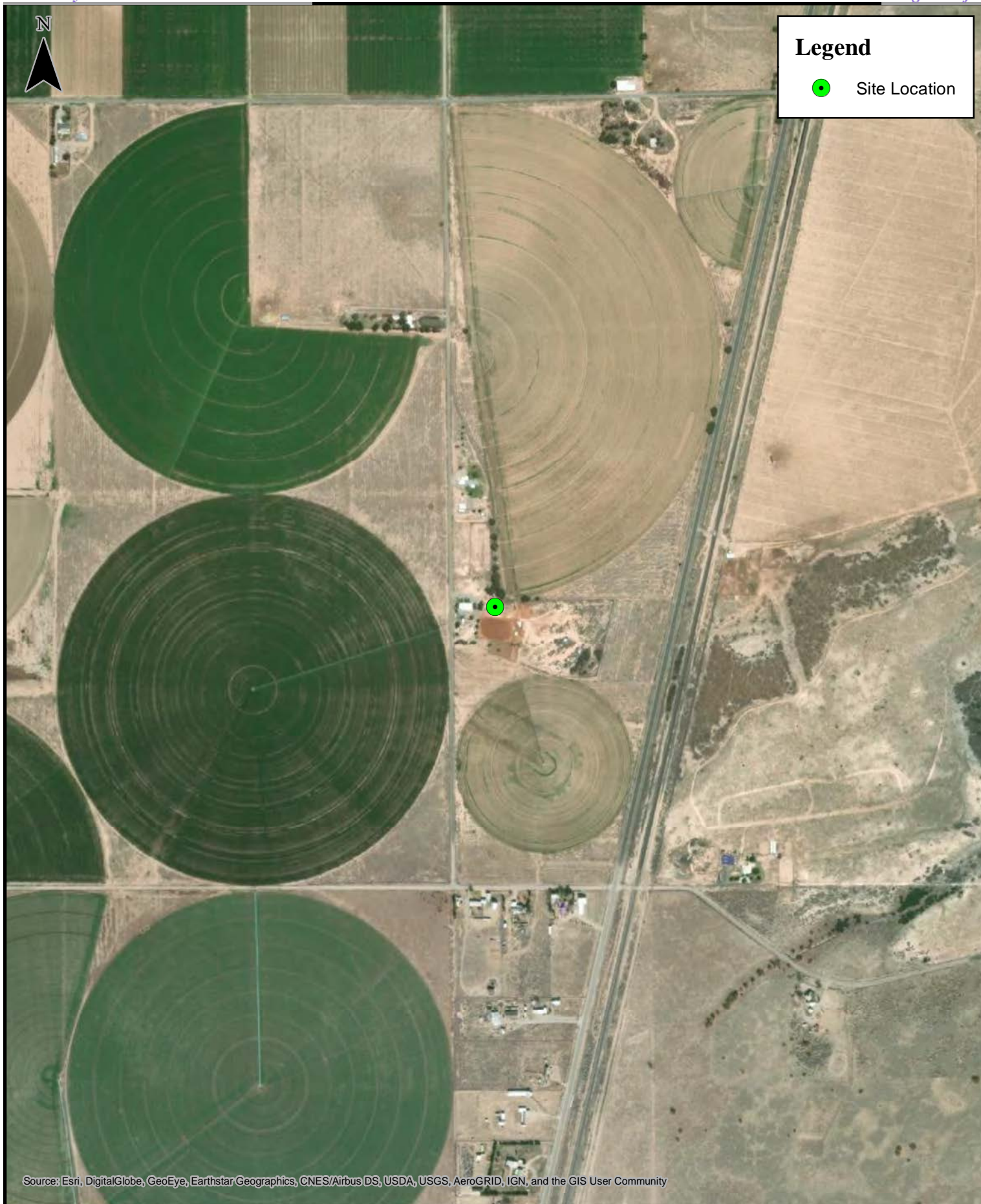


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1:24,000

**Topographic Map**  
McCullar Property  
EOG Resources, Inc.



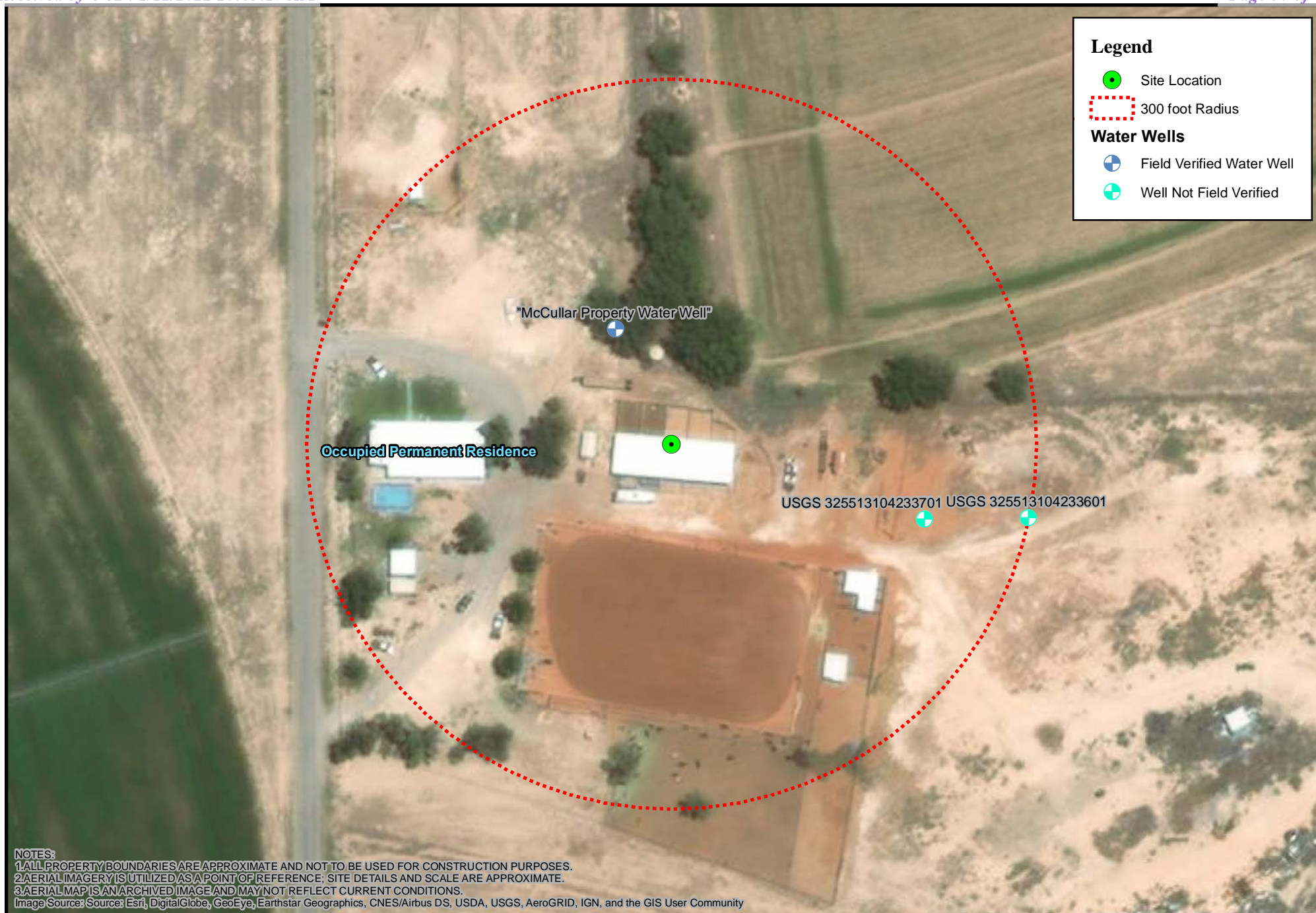


0 250 500 1,000 1,500 2,000 Feet

1:10,000

**Area Map**  
McCullar Property  
EOG Resources, Inc.



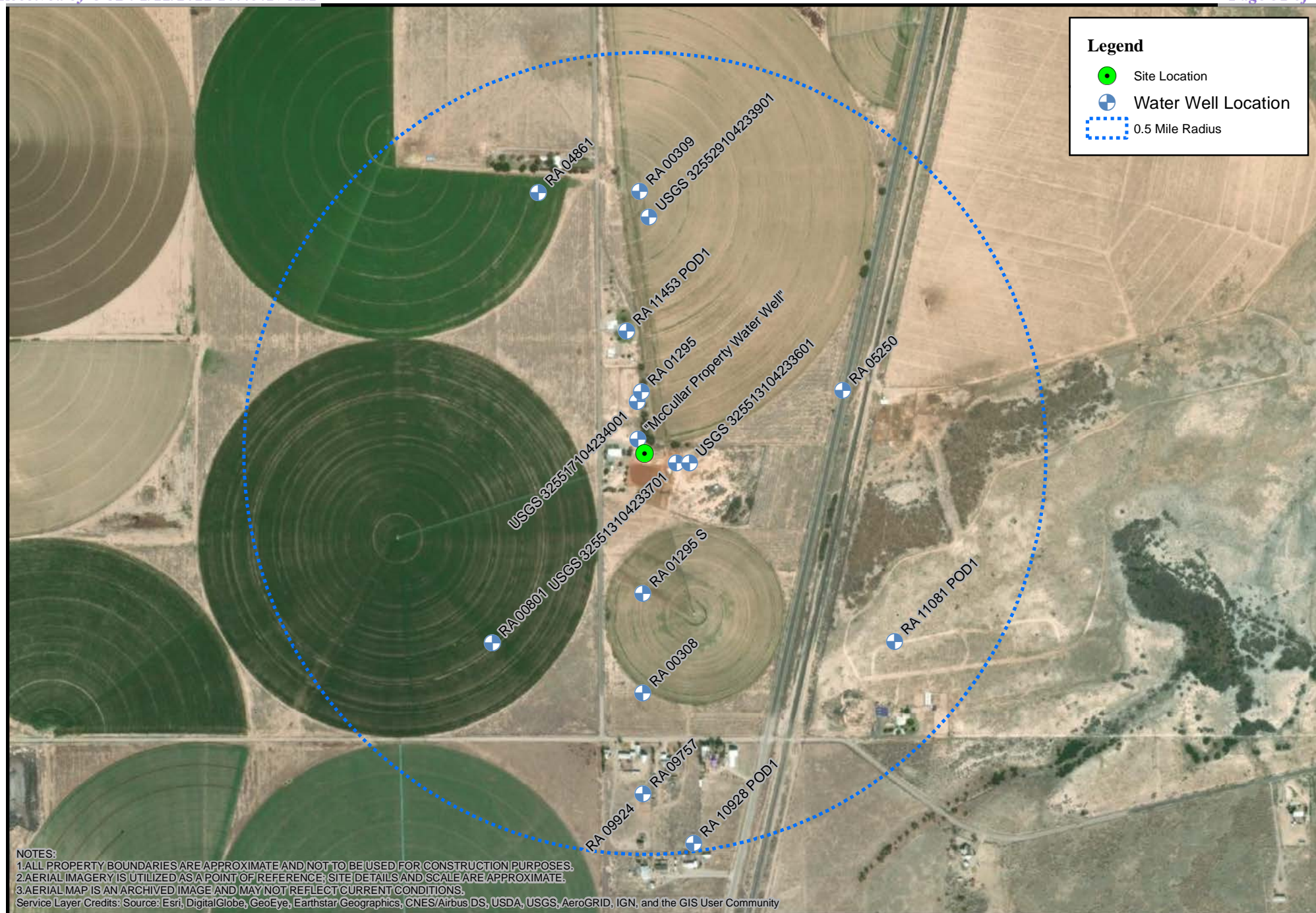


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 Feet  
 1:1,250



**Site Vicinity Map**  
 McCullar Property  
 EOG Resources, Inc.

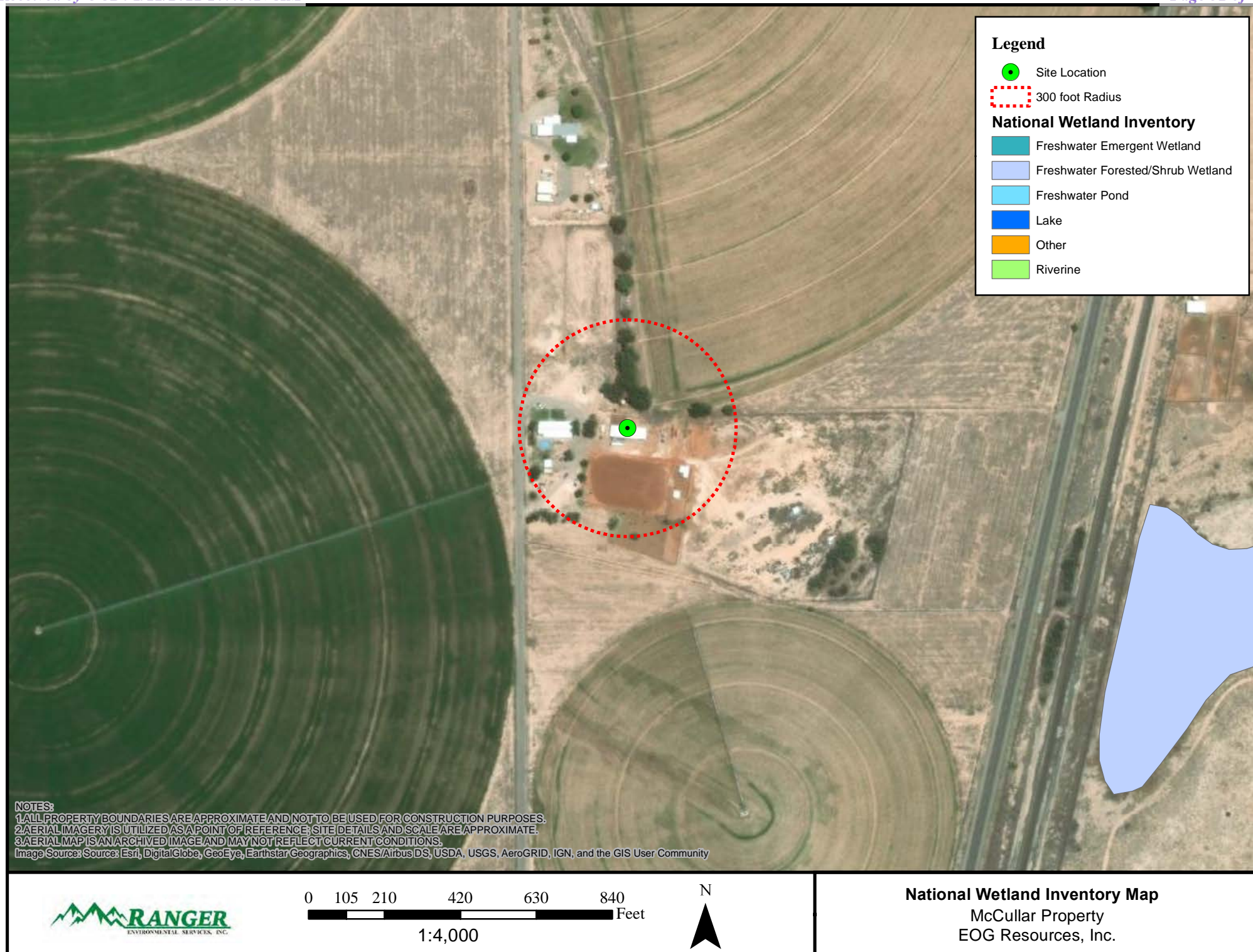




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1:10,000







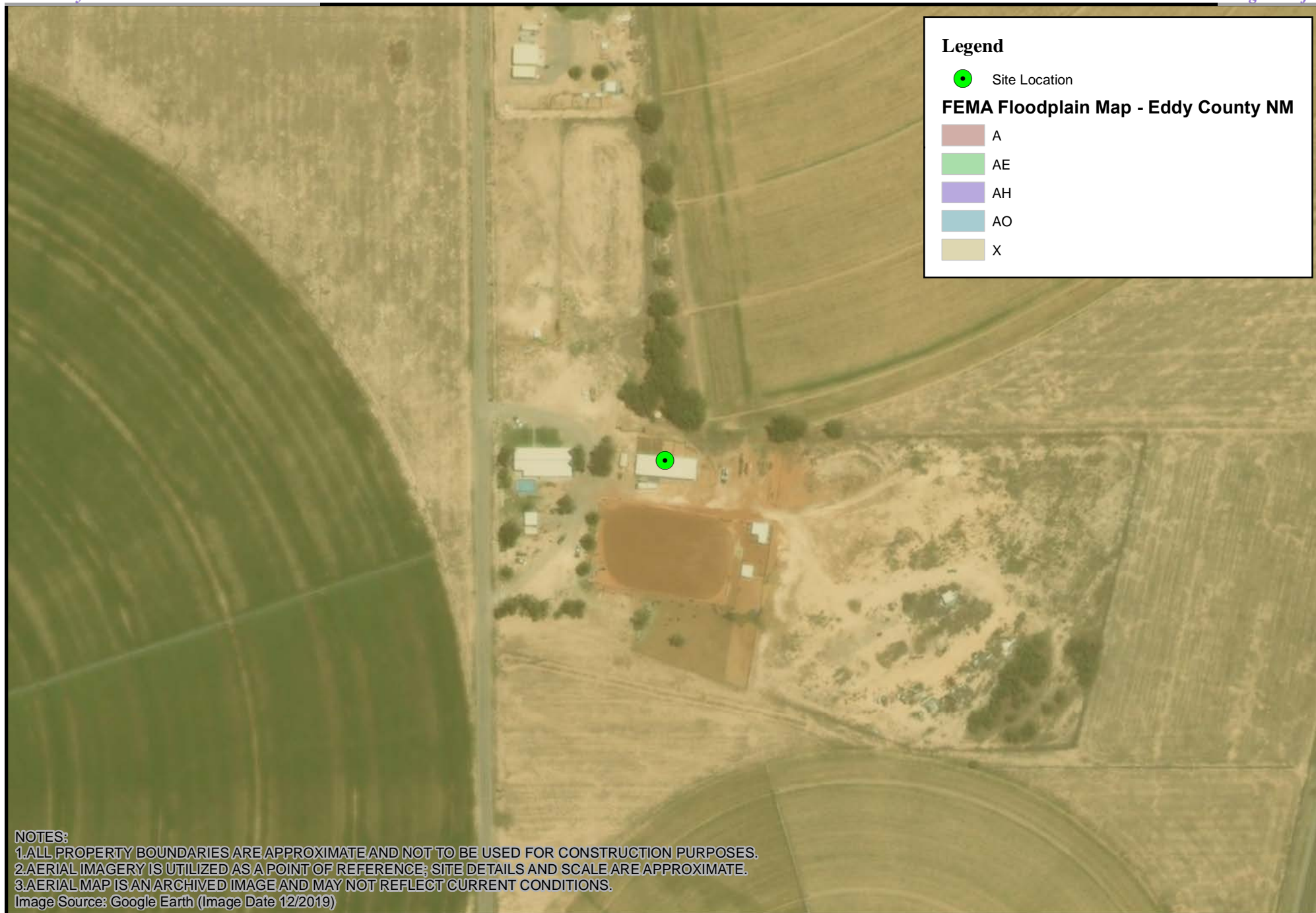


0 65 130 260 390 520 Feet  
1:2,500



**Karst Topography Map**  
McCullar Property  
EOG Resources, Inc.

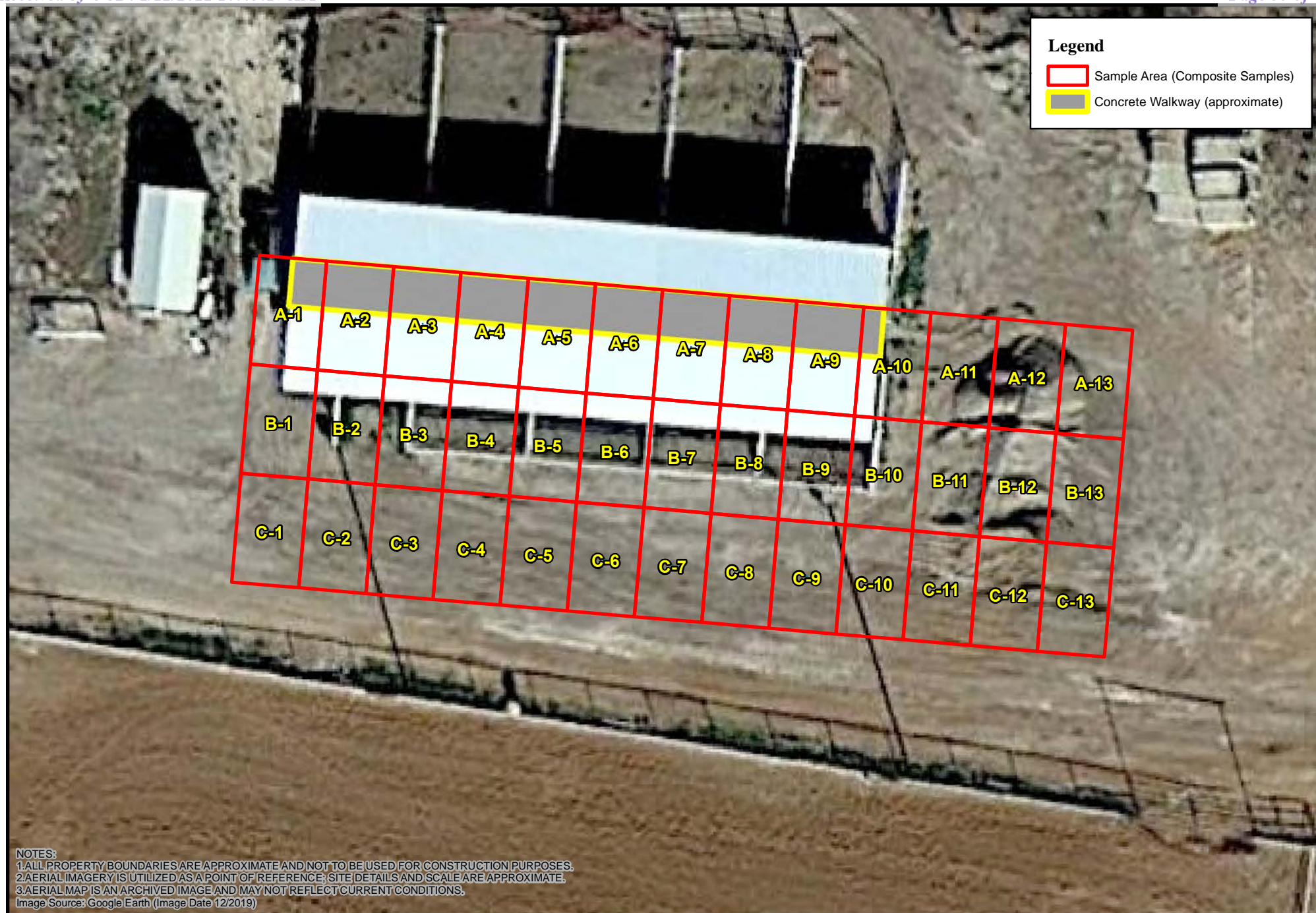




0 65 130 260 390 520 Feet  
1:2,500



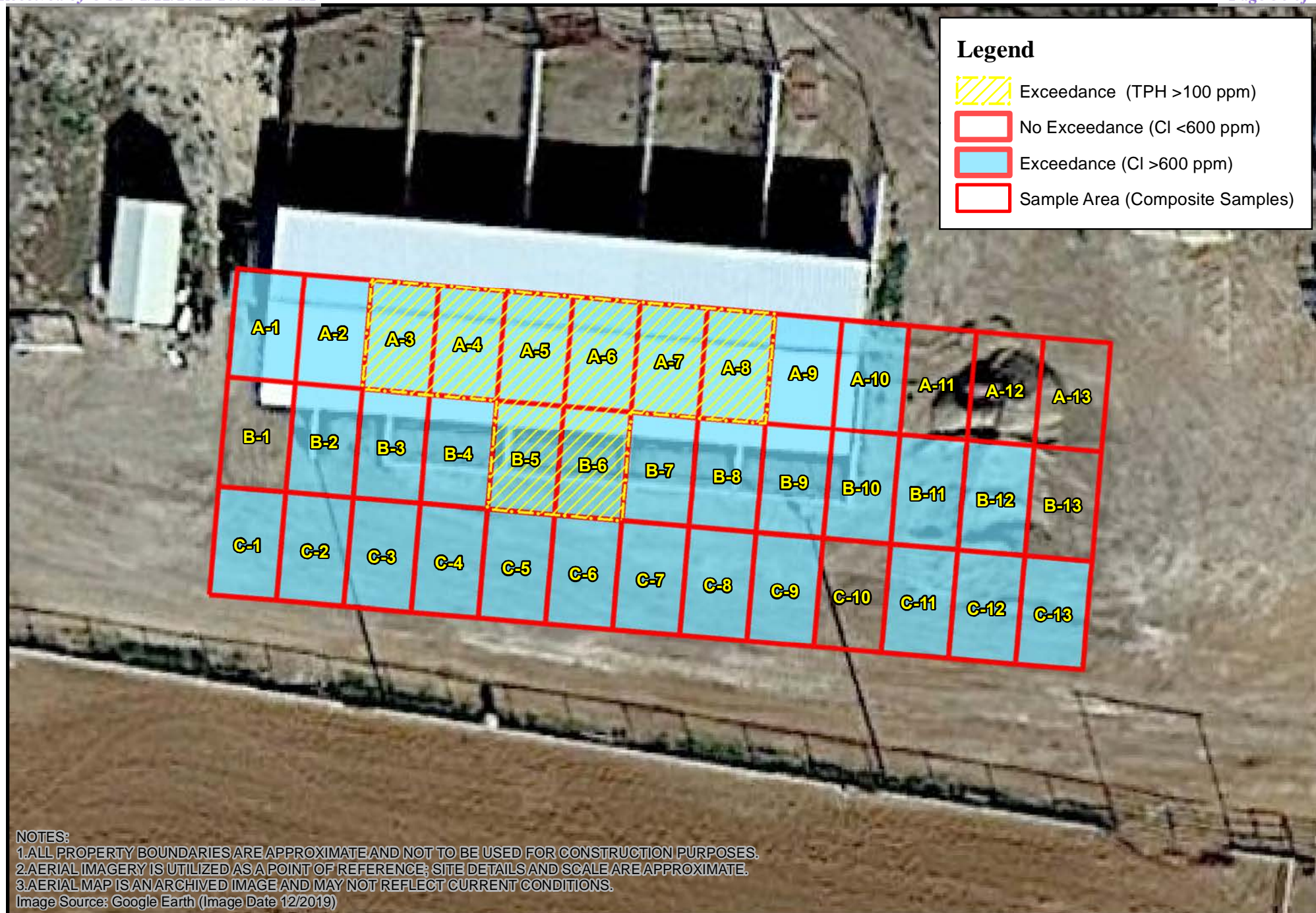
**FEMA Floodplain Map**  
McCullar Property  
EOG Resources, Inc.



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 Feet  
 1:250





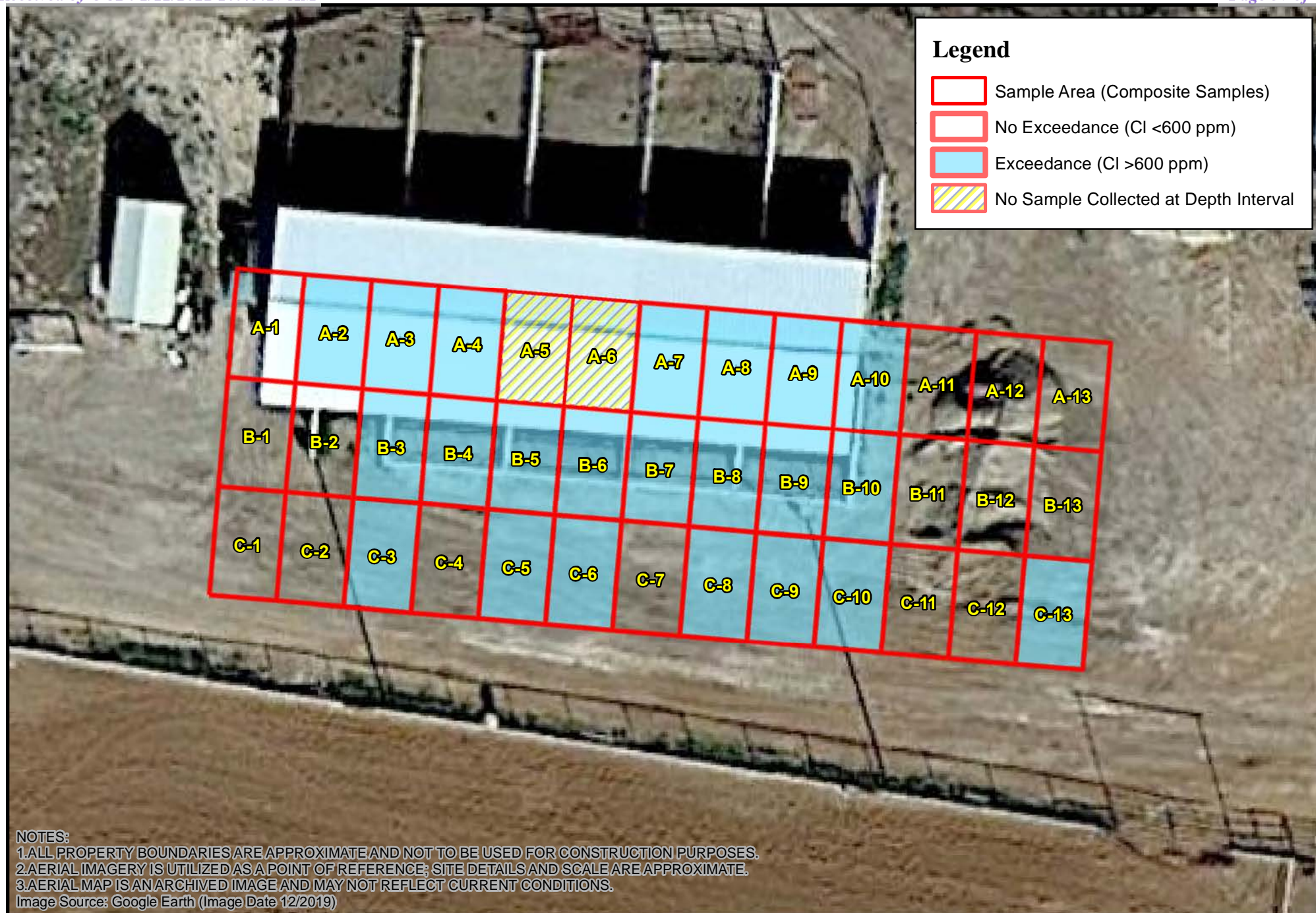


0 5 10 20 30 40  
Feet  
1:250



**Exceedance Map (Surface)**  
McCullar Property  
EOG Resources, Inc.



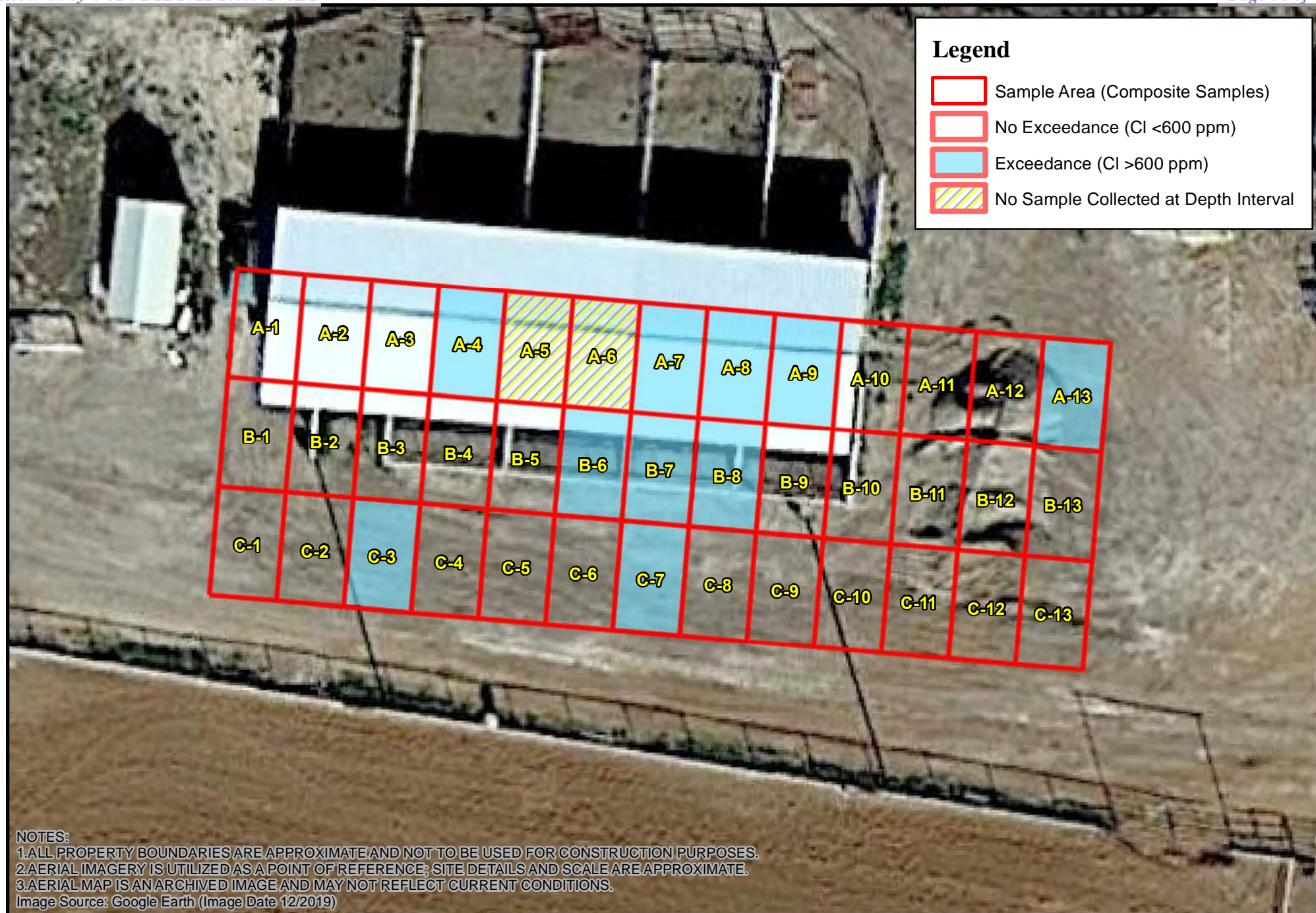


0 5 10 20 30 40  
 Feet  
 1:250



**Exceedance Map (1')**  
 McCullar Property  
 EOG Resources, Inc.



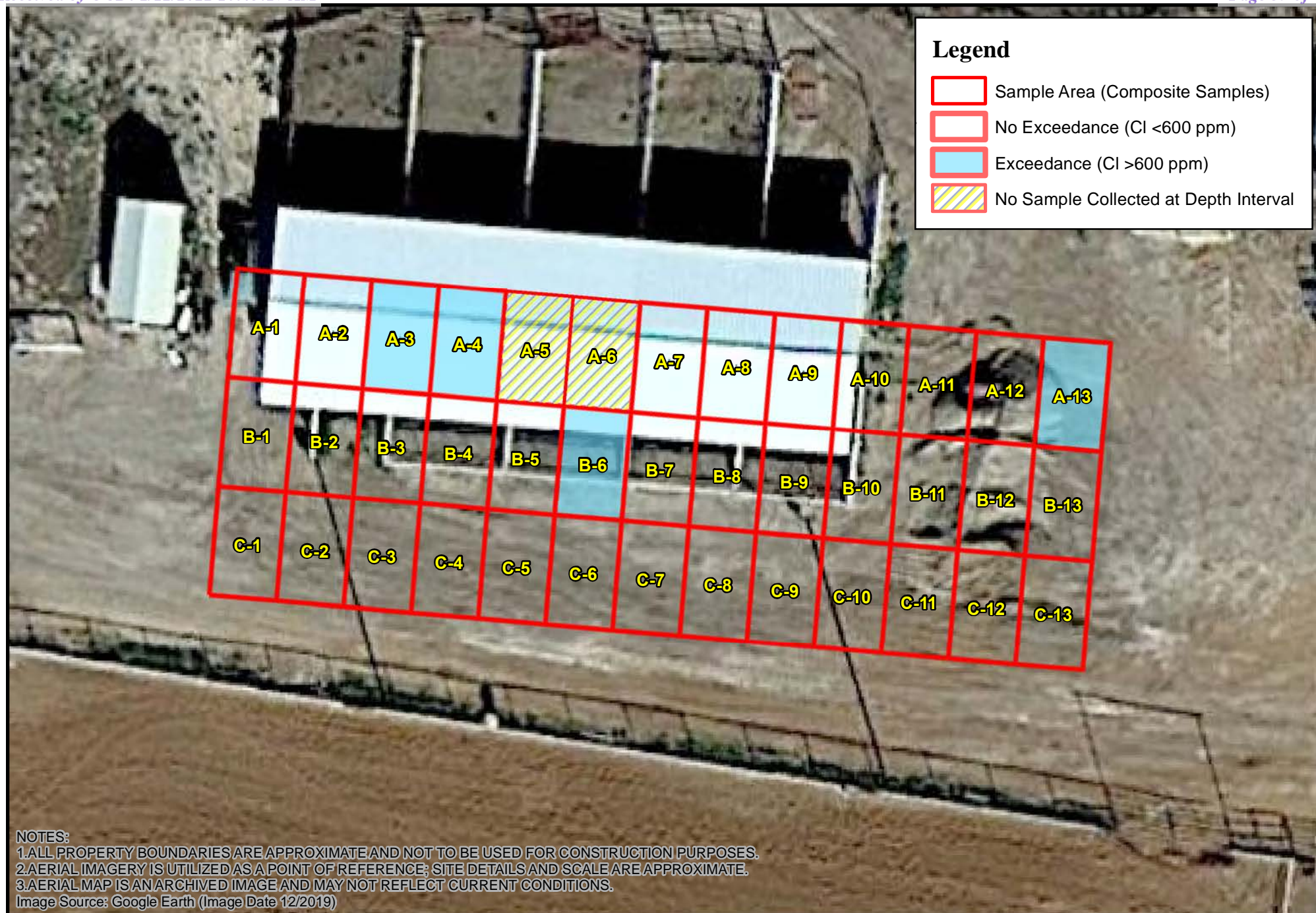


0 5 10 20 30 40  
 Feet  
 1:250



**Exceedance Map (2')**  
 McCullar Property  
 EOG Resources, Inc.



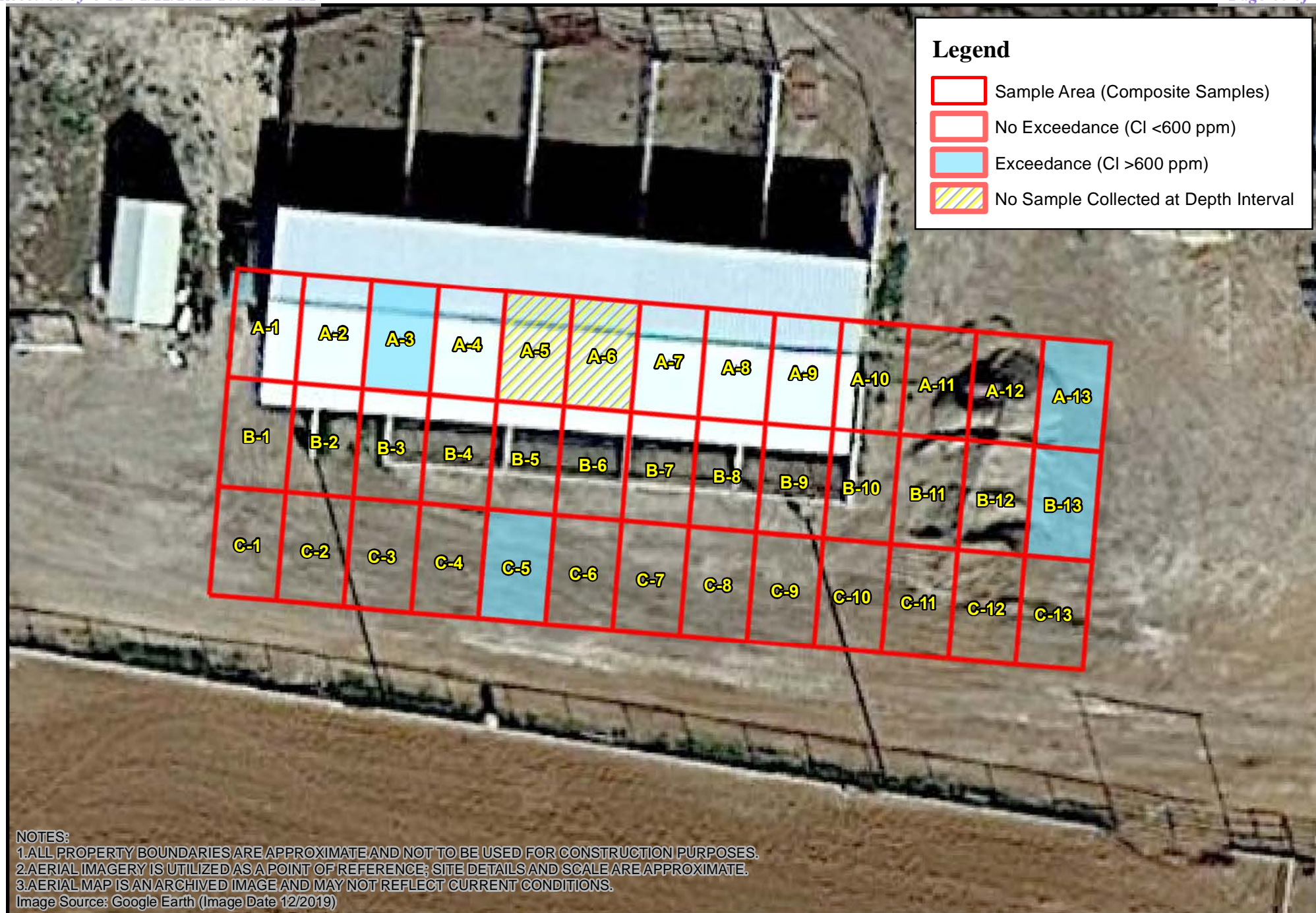


0 5 10 20 30 40  
Feet  
1:250



**Exceedance Map (3')**  
McCullar Property  
EOG Resources, Inc.



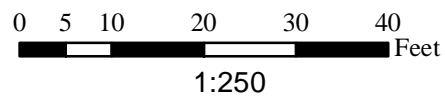
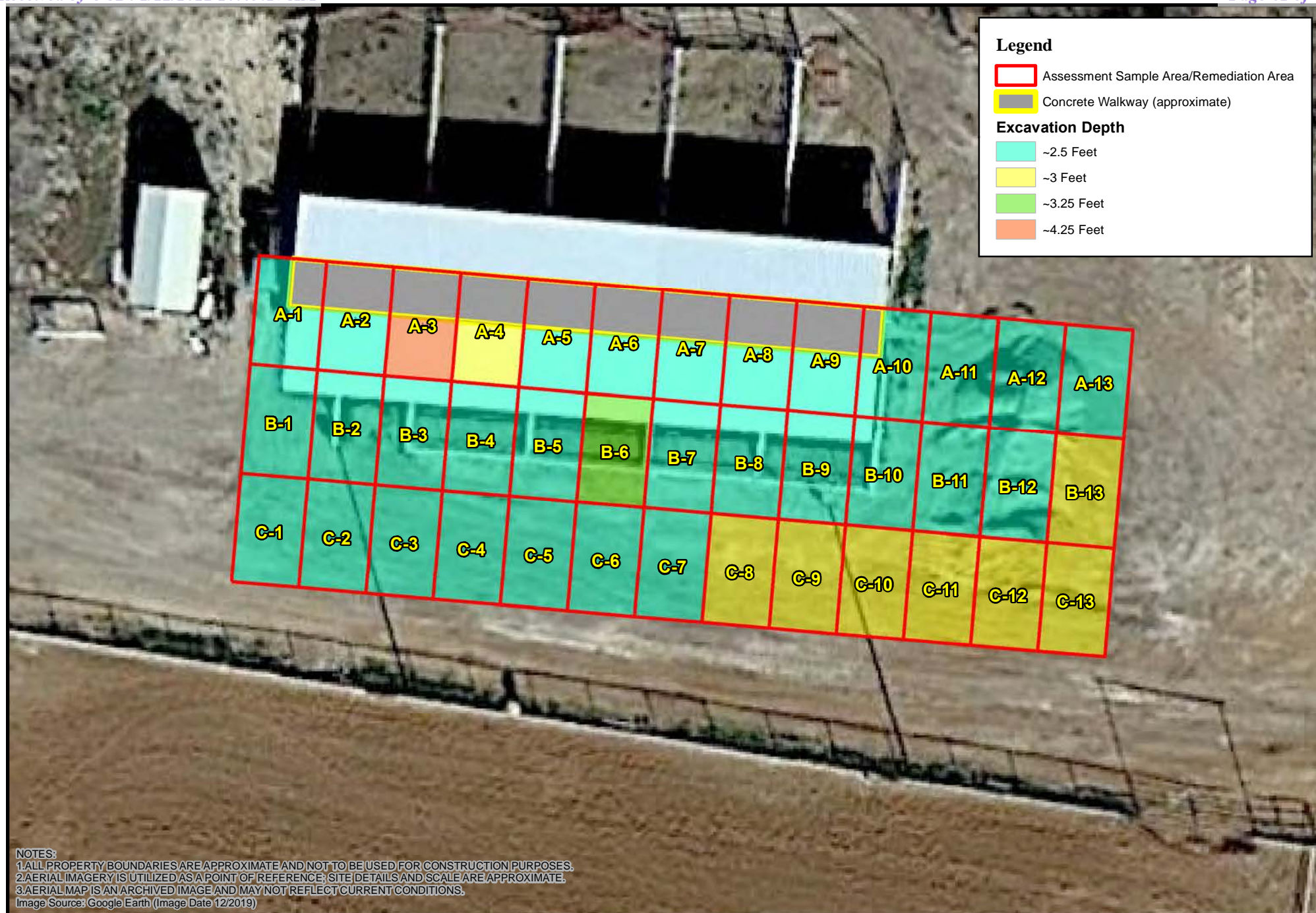


0 5 10 20 30 40  
 Feet  
 1:250



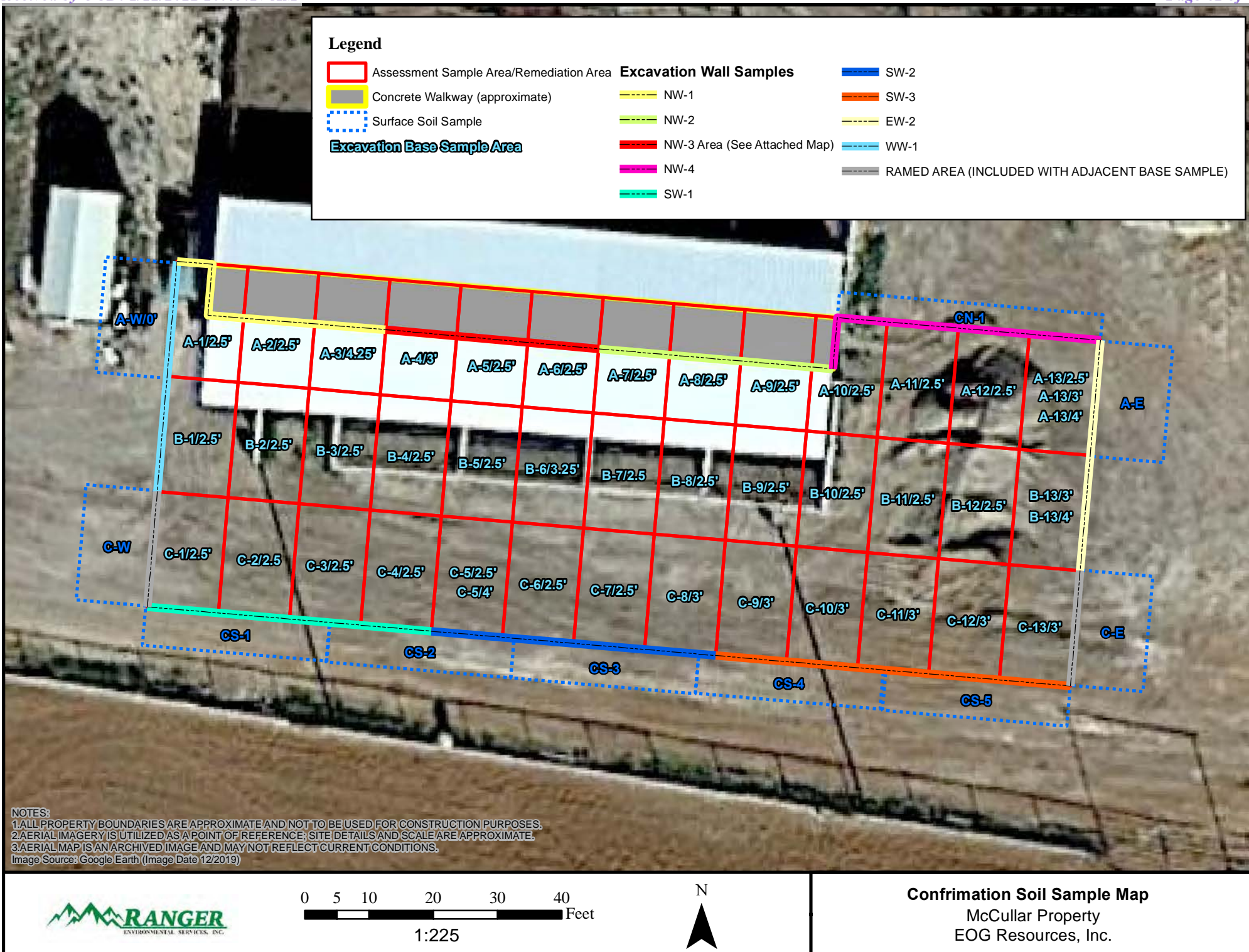
**Exceedance Map (4')**  
 McCullar Property  
 EOG Resources, Inc.

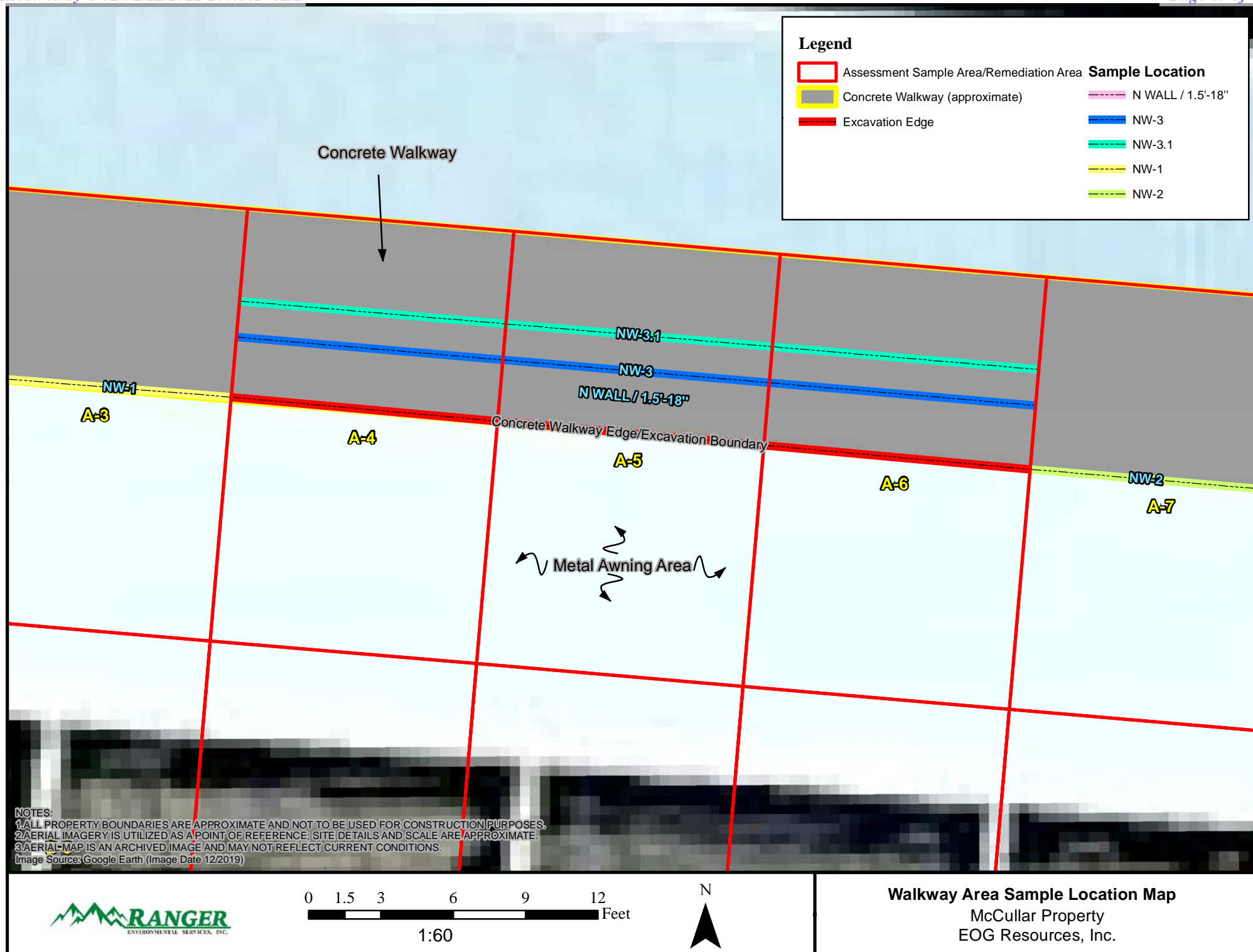




**Site Excavation Map**  
McCullar Property  
EOG Resources, Inc.









## **TABLES**

**Table 1 – Site Assessment Soil BTEX (EPA 8260), TPH (EPA 8015) & Chloride (EPA 300) Analytical Data**

**Table 2 – Confirmation Soil Sample Soil BTEX (EPA 8260), TPH (EPA 8015) & Chloride (EPA 300) Analytical Data**

TABLE 1 - SOIL BTEX (EPA 8260), TPH (EPA 8015) &amp; CHLORIDE (EPA 300) ANALYTICAL DATA

MCCULLAR PROPERTY  
EDDY COUNTY, NEW MEXICO

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

SAMPLE ID	DATE	DEPTH (FT)	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C6-C10	TPH DRO C10-C28	TPH MRO C28-C36	TPH (GRO+DRO)	TPH (GRO+DRO+MRO)	CHLORIDE
<b>Initial Site Assessment Samples (Composite) : July 28-30, 2021</b>													
A-1/0'	7/28/2021	0'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<9.3	<46	<9.3	<46	1,600
A-1/1'	7/28/2021	1'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<9.7	<48	<9.7	<48	520
A-1/2'	7/28/2021	2'	<0.023	<0.046	<0.046	<0.093	<0.09	<4.6	<9.4	<47	<9.4	<47	320
A-1/3'	7/28/2021	3'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<9.9	<50	<9.9	<50	260
A-1/4'	7/28/2021	4'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.3	<47	<9.3	<47	280
A-2/0'	7/28/2021	0'	<0.023	<0.047	<0.047	<0.093	<0.09	<4.7	<9.2	<46	<9.2	<46	1,000
A-2/1'	7/28/2021	1'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<9.6	<48	<9.6	<48	650
A-2/2'	7/28/2021	2'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.5	<48	<9.5	<48	320
A-2/3'	7/28/2021	3'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.6	<48	<9.6	<48	140
A-2/4'	7/28/2021	4'	<0.023	<0.046	<0.046	<0.093	<0.09	<4.6	<9.8	<49	<9.8	<49	170
A-3/0'	7/28/2021	0'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	13	100	13	113	8,900
A-3/1'	7/28/2021	1'	<0.023	<0.046	<0.046	<0.092	<0.09	<4.6	<9.8	<49	<9.8	<49	2,100
A-3/2'	7/28/2021	2'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.9	<49	<9.9	<49	560
A-3/3'	7/28/2021	3'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<9.9	<50	<9.9	<50	740
A-3/4'	7/28/2021	4'	<0.023	<0.047	<0.047	<0.094	<0.09	<4.7	<9.8	<49	<9.8	<49	680
A-4/0'	7/28/2021	0'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	20	120	20	140	8,900
A-4/1'	7/28/2021	1'	<0.023	<0.047	<0.047	<0.093	<0.09	<4.7	9.8	<48	9.8	3,400	
A-4/2'	7/28/2021	2'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.9	<49	<9.9	<49	2,200
A-4/3'	7/28/2021	3'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	<9.7	<48	<9.7	<48	820
A-4/4'	7/28/2021	4'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.8	<49	<9.8	<49	510
A-5/0'	7/30/2021	0'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	51	310	51	361	7,000
A-6/0'	7/30/2021	0'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	23	220	23	243	4,400
A-7/0'	7/28/2021	0'	<0.049	<0.098	<0.098	<0.20	<0.20	<9.8	110	510	110	620	18,000
A-7/1'	7/28/2021	1'	<0.024	<0.047	<0.047	<0.094	<0.09	<4.7	<9.7	<48	<9.7	<48	1,900
A-7/2'	7/28/2021	2'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.5	<47	<9.5	<47	1,200
A-7/3'	7/28/2021	3'	<0.023	<0.047	<0.047	<0.093	<0.09	<4.7	<10	<50	<10	<50	500
A-7/4'	7/28/2021	4'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.6	<48	<9.6	<48	550
A-8/0'	7/28/2021	0'	<0.049	<0.098	<0.098	<0.20	<0.20	<9.8	26	160	26	186	4,800
A-8/1'	7/28/2021	1'	<0.050	<0.10	<0.10	<0.20	<0.20	<10	<9.5	<47	<10	<47	2,700
A-8/2'	7/28/2021	2'	<0.049	<0.098	<0.098	<0.20	<0.20	<9.8	10	<50	10	920	
A-8/3'	7/28/2021	3'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<9.9	<50	<9.9	<50	330
A-8/4'	7/28/2021	4'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<9.4	<47	<9.4	<47	400
A-9/0'	7/28/2021	0'	<0.048	<0.095	<0.095	<0.19	<0.19	<9.5	<9.2	<46	<9.5	<46	2,300
A-9/1'	7/28/2021	1'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.7	<48	<9.7	<48	1,400
A-9/2'	7/28/2021	2'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.2	<46	<9.2	<46	1,200
A-9/3'	7/28/2021	3'	<0.049	<0.099	<0.099	<0.20	<0.20	<9.9	<8.9	<45	<9.9	<45	440
A-9/4'	7/28/2021	4'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.9	<49	<9.9	<49	170
A-10/0'	7/28/2021	0'	<0.047	<0.094	<0.094	<0.19	<0.19	<9.4	<9.1	<46	<9.4	<46	930
A-10/1'	7/28/2021	1'	<0.046	<0.092	<0.092	<0.18	<0.18	<9.2	<8.6	<43	<9.2	<43	770
A-10/2'	7/28/2021	2'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<9.1	<46	<9.1	<46	500
A-10/3'	7/28/2021	3'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.4	<47	<9.4	<47	290
A-10/4'	7/28/2021	4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.5	<48	<9.5	<48	200
A-11/0'	7/28/2021	0'	<0.049	<0.098	<0.098	<0.20	<0.20	<9.8	<10	<50	<10	<50	350
A-11/1'	7/28/2021	1'	<0.023	<0.046	<0.046	<0.093	<0.09	<4.6	<9.8	<49	<9.8	<49	480
A-11/2'	7/28/2021	2'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	<9.9	<49	<9.9	<49	310
A-11/3'	7/28/2021	3'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.8	<49	<9.8	<49	320
A-11/4'	7/28/2021	4'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<9.7	<49	<9.7	<49	260

NA = Not Analyzed  
TPH = Total Petroleum Hydrocarbons  
mg/Kg = Milligrams per Kilogram

TABLE 1 - SOIL BTEX (EPA 8260), TPH (EPA 8015) &amp; CHLORIDE (EPA 300) ANALYTICAL DATA

MCCULLAR PROPERTY  
EDDY COUNTY, NEW MEXICO

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

SAMPLE ID	DATE	DEPTH (FT)	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C6-C10	TPH DRO C10-C28	TPH MRO C28-C36	TPH (GRO+DRO)	TPH (GRO+DRO+MRO)	CHLORIDE
A-12/0'	7/28/2021	0'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.4	<47	<9.4	<47	280
A-12/1'	7/28/2021	1'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.7	<48	<9.7	<48	360
A-12/2'	7/28/2021	2'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<9.9	<50	<9.9	<50	360
A-12/3'	7/28/2021	3'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.2	<46	<9.2	<46	380
A-12/4'	7/28/2021	4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.6	<48	<9.6	<48	360
A-13/0'	7/28/2021	0'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.9	<49	<9.9	<49	510
A-13/1'	7/28/2021	1'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<9.1	<45	<9.1	<45	460
A-13/2'	7/28/2021	2'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<9.4	<47	<9.4	<47	920
A-13/3'	7/28/2021	3'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.2	<46	<9.2	<46	780
A-13/4'	7/28/2021	4'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.1	<45	<9.1	<45	630
B-1/0'	7/28/2021	0'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.8	<49	<9.8	<49	200
B-1/1'	7/28/2021	1'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<10	<50	<10	<50	120
B-1/2'	7/28/2021	2'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<9.5	<48	<9.5	<48	100
B-1/3'	7/28/2021	3'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<9.1	<45	<9.1	<45	76
B-1/4'	7/28/2021	4'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.7	<48	<9.7	<48	100
B-2/0'	7/28/2021	0'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<9.7	<49	<9.7	<49	1,600
B-2/1'	7/28/2021	1'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<9.3	<46	<9.3	<46	420
B-2/2'	7/28/2021	2'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.5	<47	<9.5	<47	290
B-2/3'	7/28/2021	3'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<9.7	<48	<9.7	<48	240
B-2/4'	7/28/2021	4'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<9.8	<49	<9.8	<49	220
B-3/0'	7/28/2021	0'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.6	<48	<9.6	<48	6,400
B-3/1'	7/28/2021	1'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<9.8	<49	<9.8	<49	1,500
B-3/2'	7/28/2021	2'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<9.1	<46	<9.1	<46	340
B-3/3'	7/28/2021	3'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.7	<49	<9.7	<49	400
B-3/4'	7/28/2021	4'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<9.4	<47	<9.4	<47	410
B-4/0'	7/29/2021	0'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<9.8	<49	<9.8	<49	5,500
B-4/1'	7/29/2021	1'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<9.3	<47	<9.3	<47	2,100
B-4/2'	7/29/2021	2'	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	<9.2	<46	<9.2	<46	300
B-4/3'	7/29/2021	3'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.9	<50	<9.9	<50	250
B-4/4'	7/29/2021	4'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.6	<48	<9.6	<48	190
B-5/0'	7/29/2021	0'	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	27	210	27	237	6,900
B-5/1'	7/29/2021	1'	<0.023	<0.047	<0.047	<0.094	<0.09	<4.7	<9.9	<50	<9.9	<50	2,100
B-5/2'	7/29/2021	2'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.7	<49	<9.7	<49	560
B-5/3'	7/29/2021	3'	<0.024	<0.047	<0.047	<0.094	<0.09	<4.7	<9.4	<47	<9.4	<47	530
B-5/4'	7/29/2021	4'	<0.024	<0.047	<0.047	<0.094	<0.09	<4.7	<9.3	<47	<9.3	<47	240
B-6/0'	7/29/2021	0'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.9	120	<9.9	120	7,100
B-6/1'	7/29/2021	1'	<0.023	<0.046	<0.046	<0.093	<0.09	<4.6	<9.6	<48	<9.6	<48	2,000
B-6/2'	7/29/2021	2'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.6	<48	<9.6	<48	790
B-6/3'	7/29/2021	3'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<9.2	<46	<9.2	<46	670
B-6/4'	7/29/2021	4'	<0.023	<0.047	<0.047	<0.093	<0.09	<4.7	<8.9	<44	<8.9	<44	550
B-7/0'	7/29/2021	0'	<0.023	<0.046	<0.046	<0.092	<0.09	<4.6	<8.4	58	<8.4	58	7,600
B-7/1'	7/29/2021	1'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.6	<48	<9.6	<48	2,000
B-7/2'	7/29/2021	2'	<0.023	<0.046	<0.046	<0.091	<0.09	<4.6	<9.5	<48	<9.5	<48	890
B-7/3'	7/29/2021	3'	<0.023	<0.047	<0.047	<0.093	<0.09	<4.7	<8.9	<45	<8.9	<45	450
B-7/4'	7/29/2021	4'	<0.023	<0.046	<0.046	<0.092	<0.09	<4.6	<8.8	<44	<8.8	<44	330
B-8/0'	7/29/2021	0'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	<9.6	<48	<9.6	<48	2,800
B-8/1'	7/29/2021	1'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.8	<49	<9.8	<49	1,600
B-8/2'	7/29/2021	2'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.7	<48	<9.7	<48	870
B-8/3'	7/29/2021	3'	<0.023	<0.046	<0.046	<0.093	<0.09	<4.6	<9.7	<49	<9.7	<49	420
B-8/4'	7/29/2021	4'	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	<9.4	<47	<9.4	<47	380

NA = Not Analyzed  
TPH = Total Petroleum Hydrocarbons  
mg/Kg = Milligrams per Kilogram

TABLE 1 - SOIL BTEX (EPA 8260), TPH (EPA 8015) &amp; CHLORIDE (EPA 300) ANALYTICAL DATA

MCCULLAR PROPERTY  
EDDY COUNTY, NEW MEXICO

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

SAMPLE ID	DATE	DEPTH (FT)	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C6-C10	TPH DRO C10-C28	TPH MRO C28-C36	TPH (GRO+DRO)	TPH (GRO+DRO+MRO)	CHLORIDE
B-9/0'	7/29/2021	0'	<0.023	<0.046	<0.046	<0.092	<0.09	<4.6	<9.8	<49	<9.8	<49	2,400
B-9/1'	7/29/2021	1'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	<9.4	<47	<9.4	<47	1,900
B-9/2'	7/29/2021	2'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<9.9	<50	<9.9	<50	580
B-9/3'	7/29/2021	3'	<0.023	<0.046	<0.046	<0.092	<0.09	<4.6	<9.6	<48	<9.6	<48	300
B-9/4'	7/29/2021	4'	<0.023	<0.046	<0.046	<0.093	<0.09	<4.6	<9.2	<46	<9.2	<46	330
B-10/0'	7/29/2021	0'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.7	<48	<9.7	<48	1,000
B-10/1'	7/29/2021	1'	<0.023	<0.046	<0.046	<0.092	<0.09	<4.6	<9.6	<48	<9.6	<48	610
B-10/2'	7/29/2021	2'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	<9.5	<47	<9.5	<47	260
B-10/3'	7/29/2021	3'	<0.023	<0.046	<0.046	<0.092	<0.09	<4.6	<9.6	<48	<9.6	<48	300
B-10/4'	7/29/2021	4'	<0.024	<0.047	<0.047	<0.094	<0.09	<4.7	<9.7	<48	<9.7	<48	310
B-11/0'	7/29/2021	0'	<0.024	<0.047	<0.047	<0.094	<0.09	<4.7	<9.8	<49	<9.8	<49	940
B-11/1'	7/29/2021	1'	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	<9.7	<49	<9.7	<49	580
B-11/2'	7/29/2021	2'	<0.023	<0.047	<0.047	<0.093	<0.09	<4.7	<9.6	<48	<9.6	<48	390
B-11/3'	7/29/2021	3'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<9.3	<46	<9.3	<46	390
B-11/4'	7/29/2021	4'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<9.8	<49	<9.8	<49	280
B-12/0'	7/29/2021	0'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.8	<49	<9.8	<49	840
B-12/1'	7/29/2021	1'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<9.8	<49	<9.8	<49	440
B-12/2'	7/29/2021	2'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<9.2	<46	<9.2	<46	190
B-12/3'	7/29/2021	3'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.5	<48	<9.5	<48	260
B-12/4'	7/29/2021	4'	<0.023	<0.046	<0.046	<0.093	<0.09	<4.6	<10	<50	<10	<50	330
B-13/0'	7/29/2021	0'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.6	<48	<9.6	<48	160
B-13/1'	7/29/2021	1'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.9	<49	<9.9	<49	390
B-13/2'	7/29/2021	2'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<9.7	<48	<9.7	<48	480
B-13/3'	7/29/2021	3'	<0.024	<0.047	<0.047	<0.094	<0.09	<4.7	<9.9	<49	<9.9	<49	550
B-13/4'	7/29/2021	4'	<0.023	<0.046	<0.046	<0.093	<0.09	<4.6	<9.7	<48	<9.7	<48	610
C-1/0'	7/29/2021	0'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<9.4	<47	<9.4	<47	830
C-1/1'	7/29/2021	1'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.3	<47	<9.3	<47	280
C-1/2'	7/29/2021	2'	<0.023	<0.047	<0.047	<0.094	<0.09	<4.7	<10	<50	<10	<50	250
C-1/3'	7/29/2021	3'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<9.7	<48	<9.7	<48	180
C-1/4'	7/29/2021	4'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.9	<50	<9.9	<50	280
C-2/0'	7/29/2021	0'	<0.023	<0.047	<0.047	<0.094	<0.09	<4.7	<8.9	<45	<8.9	<45	3,600
C-2/1'	7/29/2021	1'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<9.5	<48	<9.5	<48	340
C-2/2'	7/29/2021	2'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.7	<49	<9.7	<49	160
C-2/3'	7/29/2021	3'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<9.6	<48	<9.6	<48	300
C-2/4'	7/29/2021	4'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<9.6	<48	<9.6	<48	240
C-3/0'	7/29/2021	0'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	16	56	16	72	2,600
C-3/1'	7/29/2021	1'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<9.7	<48	<9.7	<48	730
C-3/2'	7/29/2021	2'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<9.5	<48	<9.5	<48	1,600
C-3/3'	7/29/2021	3'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<9.4	<47	<9.4	<47	240
C-3/4'	7/29/2021	4'	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	<9.7	<48	<9.7	<48	140
C-4/0'	7/29/2021	0'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<9.1	<46	<9.1	<46	960
C-4/1'	7/29/2021	1'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.7	<49	<9.7	<49	420
C-4/2'	7/29/2021	2'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<9.8	<49	<9.8	<49	180
C-4/3'	7/29/2021	3'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.2	<46	<9.2	<46	540
C-4/4'	7/29/2021	4'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.8	<49	<9.8	<49	580
C-5/0'	7/29/2021	0'	<0.023	<0.046	<0.046	<0.093	<0.09	<4.6	<8.8	<44	<8.8	<44	4,500
C-5/1'	7/29/2021	1'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<9.9	<50	<9.9	<50	790
C-5/2'	7/29/2021	2'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.5	<48	<9.5	<48	420
C-5/3'	7/29/2021	3'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<9.5	<48	<9.5	<48	260
C-5/4'	7/29/2021	4'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.4	<47	<9.4	<47	1,200

NA = Not Analyzed  
 TPH = Total Petroleum Hydrocarbons  
 mg/Kg = Milligrams per Kilogram

TABLE 1 - SOIL BTEX (EPA 8260), TPH (EPA 8015) &amp; CHLORIDE (EPA 300) ANALYTICAL DATA

MCCULLAR PROPERTY  
EDDY COUNTY, NEW MEXICO

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

SAMPLE ID	DATE	DEPTH (FT)	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C6-C10	TPH DRO C10-C28	TPH MRO C28-C36	TPH (GRO+DRO)	TPH (GRO+DRO+MRO)	CHLORIDE
C-6/0'	7/30/2021	0'	<0.023	<0.046	<0.046	<0.091	<0.09	<4.6	<9.7	<49	<9.7	<49	3,500
C-6/1'	7/30/2021	1'	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	<9.8	<49	<9.8	<49	1,200
C-6/2'	7/30/2021	2'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.7	<48	<9.7	<48	270
C-6/3'	7/30/2021	3'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	<9.9	<49	<9.9	<49	350
C-6/4'	7/30/2021	4'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	<9.7	<48	<9.7	<48	280
C-7/0'	7/30/2021	0'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<9.9	<50	<9.9	<50	3,500
C-7/1'	7/30/2021	1'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<9.7	<48	<9.7	<48	570
C-7/2'	7/30/2021	2'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<9.9	<50	<9.9	<50	660
C-7/3'	7/30/2021	3'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<9.7	<49	<9.7	<49	180
C-7/4'	7/30/2021	4'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.4	<47	<9.4	<47	260
C-8/0'	7/30/2021	0'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.9	<49	<9.9	<49	4,700
C-8/1'	7/30/2021	1'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.6	<48	<9.6	<48	630
C-8/2'	7/30/2021	2'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.4	<47	<9.4	<47	410
C-8/3'	7/30/2021	3'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.5	<47	<9.5	<47	240
C-8/4'	7/30/2021	4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.5	<47	<9.5	<47	270
C-9/0'	7/30/2021	0'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.8	<49	<9.8	<49	2,200
C-9/1'	7/30/2021	1'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.4	<47	<9.4	<47	630
C-9/2'	7/30/2021	2'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.7	<48	<9.7	<48	230
C-9/3'	7/30/2021	3'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.8	<49	<9.8	<49	270
C-9/4'	7/30/2021	4'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	<9.7	<49	<9.7	<49	250
C-10/0'	7/30/2021	0'	<0.023	<0.046	<0.046	<0.092	<0.09	<4.6	<9.5	<48	<9.5	<48	530
C-10/1'	7/30/2021	1'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.6	<48	<9.6	<48	610
C-10/2'	7/30/2021	2'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<9.6	<48	<9.6	<48	200
C-10/3'	7/30/2021	3'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.3	<46	<9.3	<46	160
C-10/4'	7/30/2021	4'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.5	<48	<9.5	<48	190
C-11/0'	7/30/2021	0'	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	<9.6	<48	<9.6	<48	1,400
C-11/1'	7/30/2021	1'	<0.023	<0.047	<0.047	<0.094	<0.09	<4.7	<9.9	<49	<9.9	<49	110
C-11/2'	7/30/2021	2'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.9	<50	<9.9	<50	69
C-11/3'	7/30/2021	3'	<0.023	<0.046	<0.046	<0.091	<0.09	<4.6	<9.7	<49	<9.7	<49	80
C-11/4'	7/30/2021	4'	<0.023	<0.046	<0.046	<0.092	<0.09	<4.6	<9.7	<48	<9.7	<48	87
C-12/0'	7/30/2021	0'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.6	<48	<9.6	<48	3,900
C-12/1'	7/30/2021	1'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<9.6	<48	<9.6	<48	320
C-12/2'	7/30/2021	2'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.8	<49	<9.8	<49	190
C-12/3'	7/30/2021	3'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.8	<49	<9.8	<49	290
C-12/4'	7/30/2021	4'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.3	<47	<9.3	<47	310
C-13/0'	7/30/2021	0'	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	<9.3	<47	<9.3	<47	1,400
C-13/1'	7/30/2021	1'	<0.023	<0.047	<0.047	<0.094	<0.09	<4.7	<9.4	<47	<9.4	<47	670
C-13/2'	7/30/2021	2'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.3	<47	<9.3	<47	340
C-13/3'	7/30/2021	3'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<10	<50	<10	<50	410
C-13/4'	7/30/2021	4'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.7	<48	<9.7	<48	260
19.15.29.12 NMAC Table 1 Closure Criteria for Soils Impacted by a Release (GW ≤50')													
			10	---	---	---	50	---	---	---	---	100	600
19.15.29.13 NMAC Reclamation Criteria (0'-4' Soils Only)			10 <sup>3</sup>				50 <sup>3</sup>					100 <sup>3</sup>	600

## Notes:

- Results exceeding the Table 1 Closure Criteria are presented in bold type and are highlighted yellow.
- Results exceeding the NMAC Restoration, Reclamation and re-vegetation chloride concentration requirements are presented in bold red type.
- 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.
- NA - Not Analyzed

TABLE 2 - CONFIRMATION SOIL SAMPLE BTEX (EPA 8260), TPH (EPA 8015) & CHLORIDE (SM 4500) ANALYTICAL DATA  
MCCULLAR PROPERTY  
EDDY COUNTY, NEW MEXICO

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

SAMPLE ID	DATE	DEPTH (FT)	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C6-C10	TPH DRO C10-C28	TPH MRO C28-C36	TPH (GRO+DRO)	TPH (GRO+DRO+MRO)	CHLORIDE
<b>Excavation Base Samples</b>													
A - 1 / 2.5'	10/19/2021	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	176
A - 2 / 2.5'	10/19/2021	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	384
A - 3 / 4.25'	10/19/2021	4.25'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	288
A - 4 / 3'	10/25/2021	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	368
A - 5 / 2.5'	10/25/2021	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	272
A - 6 / 2.5'	10/25/2021	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	288
A - 7 / 2.5'	10/20/2021	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	<30.0	<30.0	416
A - 8 / 2.5'	10/20/2021	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	<30.0	<30.0	544
A - 9 / 2.5'	10/19/2021	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	208
A - 10 / 2.5'	11/4/2021	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	128
A - 11 / 2.5'	11/4/2021	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	288
A - 12 / 2.5'	11/4/2021	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	464
A - 13 / 2.5'	11/4/2021	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	448
A - 13 / 3'	11/4/2021	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	416
A - 13 / 4'	11/4/2021	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	432
B - 1 / 2.5'	10/19/2021	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	176
B - 2 / 2.5'	10/19/2021	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	368
B - 3 / 2.5'	10/19/2021	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	208
B - 4 / 2.5'	10/25/2021	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	432
B - 5 / 2.5'	10/25/2021	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	416
B - 6 / 3.25'	10/25/2021	3.25'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	272
B - 7 / 2.5'	10/20/2021	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	496
B - 8 / 2.5'	10/20/2021	2.5'	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<20.0	<30.0	288
B - 9 / 2.5'	10/20/2021	2.5'	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<20.0	<30.0	272
B - 10 / 2.5'	11/4/2021	2.5'	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<20.0	<30.0	256
B - 11 / 2.5'	11/4/2021	2.5'	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<20.0	<30.0	560
B - 12 / 2.5'	11/4/2021	2.5'	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<20.0	<30.0	432
B - 13 / 3'	11/4/2021	3'	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<20.0	<30.0	592
B - 13 / 4'	11/4/2021	4'	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<20.0	<30.0	432
C - 1 / 2.5'	10/26/2021	0'-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	336
C - 2 / 2.5'	10/26/2021	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	144
C - 3 / 2.5'	10/26/2021	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	160
C - 4 / 2.5'	10/26/2021	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	160
C - 5 / 2.5'	10/26/2021	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	176
C - 5 / 4'	10/26/2021	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	272
C - 6 / 2.5'	10/26/2021	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	224
C - 7 / 2.5'	10/26/2021	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	240
C - 8 / 3'	10/26/2021	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	416
C - 9 / 3'	10/26/2021	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	304
C - 10 / 3'	10/26/2021	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	19.2	17.3	19.2	36.5	352
C - 11 / 3'	10/26/2021	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	176
C - 12 / 3'	10/26/2021	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	272
C - 13 / 3'	10/26/2021	0'-3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	528
<b>Excavation Side Wall Samples</b>													
NW - 1	10/19/2021	0.5'-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	304
NW - 2	10/20/2021	0.5'-4'	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	<30.0	384
N WALL / 1.5'-18"	10/25/2021	1-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	1,360
NW - 3	10/26/2021	1-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	960
NW - 3.1	10/28/2021	1-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	912
NW - 4	11/4/2021	0-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	176
SW - 1	10/28/2021	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	112
SW - 2	10/28/2021	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	368
SW - 3	10/28/2021	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	80
EW - 2	11/4/2021	0-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	464
WW - 1	10/19/2021	0-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	336

TABLE 2 - CONFIRMATION SOIL SAMPLE BTEX (EPA 8260), TPH (EPA 8015) & CHLORIDE (SM 4500) ANALYTICAL DATA MCCULLAR PROPERTY EDDY COUNTY, NEW MEXICO All values presented in parts per million (mg/Kg)													
SAMPLE ID	DATE	DEPTH (FT)	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C6-C10	TPH DRO C10-C28	TPH MRO C28-C36	TPH (GRO+DRO)	TPH (GRO+DRO+MRO)	CHLORIDE
<b>Surface Delineation Samples</b>													
A - W / 0'	10/19/2021	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	448
A - E	11/4/2021	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	32.2	26.9	32.2	59.1	96
C - W	10/28/2021	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	336
C - E	10/28/2021	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	288
CS - 1	10/28/2021	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	336
CS - 2	10/28/2021	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	288
CS - 3	10/28/2021	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	112
CS - 4	10/28/2021	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	160
CS - 5	10/28/2021	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	400
CN - 1	11/4/2021	0'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	176
<b>19.15.29.12 NMAC Table 1 Closure Criteria for Soils Impacted by a Release (GW ≤50')</b>			<b>10</b>	---	---	---	<b>50</b>	---	---	---	---	<b>100</b>	<b>600</b>
<b>19.15.29.13 NMAC Reclamation Criteria (0'-4' Soils Only)</b>			<b>10<sup>3</sup></b>				<b>50<sup>3</sup></b>					<b>100<sup>3</sup></b>	<b>600</b>
Notes: 1. Results exceeding the Table 1 Closure Criteria are presented in bold type and are highlighted yellow. 2. Results exceeding the NMAC Restoration, Reclamation and re-vegetation chloride concentration requirements are presented in bold red type. 3. Value derived from the State of New Mexico Energy, Minerals and Natural Resources Department document <i>Procedures for the Implementation of the Spill Rule</i> (19.15.29 NMAC) dated September 6, 2019. 4. NA - Not Analyzed													



## **ATTACHMENT 1 – USGS AND NMOSE WATER WELL DATA**



*New Mexico Office of the State Engineer*  
**Point of Diversion Summary**

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag	POD Number
1	1
2	2
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99	99
100	100

**Q64 Q16 Q4 Sec Tws Rng**

X	Y
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1	2
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RA 09757

1 1 1 21 16S 26E 556631 3641947\* 

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x

**Driller License:** 1400

**Driller Company:** SOUTHEAST DRILLING COMPANY

**Driller Name:** HAMMOND, MARK

**Drill Start Date:** 08/25/1999**Drill Finish Date:** 08/28/1999**Plug Date:**

Log File Date: 09/14/1999

PCW Rcv Date:

**Source:** Shallow

**Pump Type:**

### Pipe Discharge Size:

**Estimated Yield:** 20 GPM

**Casing Size:** 7.00

**Depth Well:** 190 feet

**Depth Water:** 60 feet

—  
y

### Water Bearing Stratifications:

Top	Bottom	Description
1	2	3

68      75 Shallow Alluvium/Basin Fill

120      130 Shallow Alluvium/Basin Fill

155      185 Shallow Alluvium/Basin Fill

—  
x

### Casing Perforations:

**Top Bottom**

112 190

—  
x

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

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12/16/21 3:12 PM

### POINT OF DIVERSION SUMMARY



# New Mexico Office of the State Engineer

## Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)							
		(quarters are smallest to largest)				(NAD83 UTM in meters)			
<b>Well Tag</b>	<b>POD Number</b>	<b>Q64</b>	<b>Q16</b>	<b>Q4</b>	<b>Sec</b>	<b>Tws</b>	<b>Rng</b>	<b>X</b>	<b>Y</b>
	RA 05250	1	2	3	16	16S	26E	557031	3642757*

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<b>Driller License:</b>	28	<b>Driller Company:</b>	SMITH, A.F.
<b>Driller Name:</b>	SMITH, A.F.		
<b>Drill Start Date:</b>	06/20/1966	<b>Drill Finish Date:</b>	06/23/1966
<b>Log File Date:</b>	07/25/1966	<b>PCW Rev Date:</b>	
<b>Pump Type:</b>		<b>Pipe Discharge Size:</b>	
<b>Casing Size:</b>	7.00	<b>Depth Well:</b>	200 feet
		<b>Depth Water:</b>	80 feet

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<b>Water Bearing Stratifications:</b>	<b>Top</b>	<b>Bottom</b>	<b>Description</b>
	12	20	Sandstone/Gravel/Conglomerate
	140	200	Sandstone/Gravel/Conglomerate

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<b>Casing Perforations:</b>	<b>Top</b>	<b>Bottom</b>
	130	160

\*UTM location was derived from PLSS - see Help

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12/16/21 3:09 PM

POINT OF DIVERSION SUMMARY



*New Mexico Office of the State Engineer*  
**Point of Diversion Summary**

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag	POD Number
----------	------------

RA 04861

**Q64 Q16 Q4 Sec Tws Rng**

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556421 3643155\* **Driller License:** 28

**Driller Company:** SMITH, A.F.

**Driller Name:** SMITH, A.F.

**Drill Start Date:** 08/12/1963**Drill Finish Date:** 08/15/1963**Plug Date:**

Log File Date: 09/03/1963

PCW Rcv Date:

**Source:** Shallow

**Pump Type:**

### Pipe Discharge Size:

**Estimated Yield:**

**Casing Size:** 7.00

**Depth Well:** 188 feet

**Depth Water:** 70 feet

### Water Bearing Stratifications:

Top	Bottom	Description
1	2	3

70      80 Sandstone/Gravel/Conglomerate

160      188   Sandstone/Gravel/Conglomerate

### Casing Perforations:

**Top Bottom**

166 188

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

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12/16/21 3:10 PM

### POINT OF DIVERSION SUMMARY



# New Mexico Office of the State Engineer

## Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)							
		(quarters are smallest to largest)				(NAD83 UTM in meters)			
<b>Well Tag</b>	<b>POD Number</b>	<b>Q64</b>	<b>Q16</b>	<b>Q4</b>	<b>Sec</b>	<b>Tw</b>	<b>Rng</b>	<b>X</b>	<b>Y</b>
RA	11453 POD1	3	3	1	16	16S	26E	556597	3642876

---

**Driller License:** 1400      **Driller Company:** SOUTHEAST DRILLING COMPANY

**Driller Name:** HAMMOND, MARK

**Drill Start Date:** 11/21/2009      **Drill Finish Date:** 11/27/2009      **Plug Date:**

**Log File Date:** 03/08/2010      **PCW Rev Date:**      **Source:** Shallow

**Pump Type:**      **Pipe Discharge Size:**      **Estimated Yield:** 20 GPM

**Casing Size:** 5.13      **Depth Well:** 220 feet      **Depth Water:** 40 feet

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<b>Water Bearing Stratifications:</b>	<b>Top</b>	<b>Bottom</b>	<b>Description</b>
	40	50	Sandstone/Gravel/Conglomerate
	115	125	Sandstone/Gravel/Conglomerate
	125	200	Sandstone/Gravel/Conglomerate

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<b>Casing Perforations:</b>	<b>Top</b>	<b>Bottom</b>
	120	220

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12/16/21 3:12 PM

POINT OF DIVERSION SUMMARY



# New Mexico Office of the State Engineer

## Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)					
		(quarters are smallest to largest)		(NAD83 UTM in meters)			
<b>Well Tag</b>	<b>POD Number</b>	<b>Q64</b>	<b>Q16</b>	<b>Q4</b>	<b>Sec</b>	<b>Tws</b>	<b>Rng</b>
							<b>X</b>
							<b>Y</b>
RA	10928 POD1	1	1	21	16S	26E	556732 3641848*

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**Driller License:** 1064      **Driller Company:** DELFORD W. MARTIN

**Driller Name:** MARTIN, DELFORD

**Drill Start Date:** 10/10/2006      **Drill Finish Date:** 10/11/2006      **Plug Date:**

**Log File Date:** 10/23/2006      **PCW Rev Date:**      **Source:** Shallow

**Pump Type:**      **Pipe Discharge Size:**      **Estimated Yield:** 20 GPM

**Casing Size:** 5.50      **Depth Well:** 220 feet      **Depth Water:** 60 feet

---

**Water Bearing Stratifications:**

<b>Top</b>	<b>Bottom</b>	<b>Description</b>
137	220	Sandstone/Gravel/Conglomerate

---

**Casing Perforations:**

<b>Top</b>	<b>Bottom</b>
140	220

\*UTM location was derived from PLSS - see Help

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

12/16/21 3:13 PM

POINT OF DIVERSION SUMMARY



*New Mexico Office of the State Engineer*  
**Point of Diversion Summary**

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag	POD Number
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RA 09924

**Q64 Q16 Q4 Sec Tws Rng**

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556631 3641947\* 

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**Driller License:** 1064

**Driller Company:** DELFORD W. MARTIN

**Driller Name:** MARTIN, DELFORD

**Drill Start Date:** 07/07/2000**Drill Finish Date:** 07/08/2000**Plug Date:**

Log File Date: 07/18/2000

PCW Rcv Date:

**Source:** Shallow

**Pump Type:**

### Pipe Discharge Size:

**Estimated Yield:** 20 GPM

**Casing Size:** 5.50

**Depth Well:** 220 feet

**Depth Water:** 50 feet

—  
y

### Water Bearing Stratifications:

Top	Bottom	Description
1	2	3

137      220 Shallow Alluvium/Basin Fill

X

### Casing Perforations:

**Top Bottom**

140      220

—  
x

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

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

12/16/21 3:11 PM

### POINT OF DIVERSION SUMMARY





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## National Water Information System: Web Interface

USGS Water Resources

Data Category:


Groundwater

Geographic Area:

United States

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Groundwater levels for the Nation

\* IMPORTANT: [Next Generation Station Page](#)

### Search Results -- 1 sites found

site\_no list =

- 325513104233601

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

### USGS 325513104233601 16S.26E.16.31134

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060007

Latitude 32°55'13", Longitude 104°23'36" NAD27

Land-surface elevation 3,362 feet above NAVD88

The depth of the well is 230 feet below land surface.

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

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

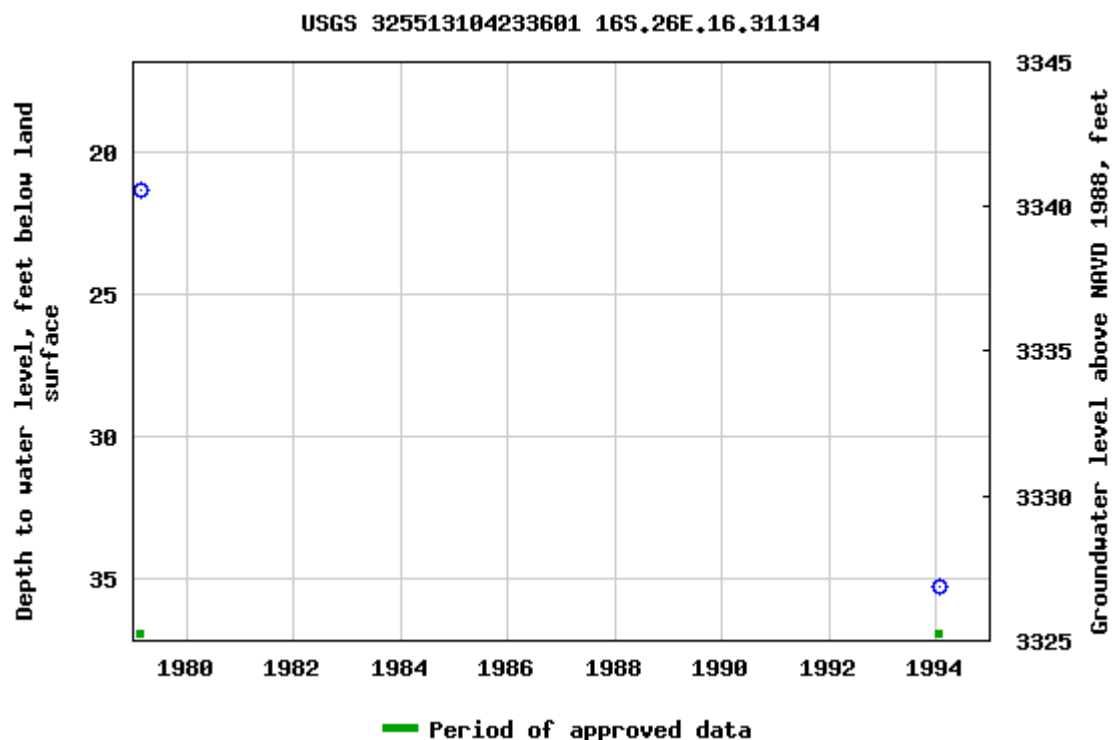
#### Output formats

[Table of data](#)

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[Graph of data](#)

[Reselect period](#)



Breaks in the plot represent a gap of at least one year between field measurements.  
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**Title: Groundwater for USA: Water Levels**

**URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>**



Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2021-08-16 18:06:29 EDT

0.66 0.6 nadww01



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USGS Water Resources

Data Category:


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Geographic Area:

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## Search Results -- 1 sites found

site\_no list =

- 325513104233701

Minimum number of levels = 1

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## USGS 325513104233701 16S.26E.16.311344

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060007

Latitude 32°55'13", Longitude 104°23'37" NAD27

Land-surface elevation 3,362 feet above NAVD88

The depth of the well is 160 feet below land surface.

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

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

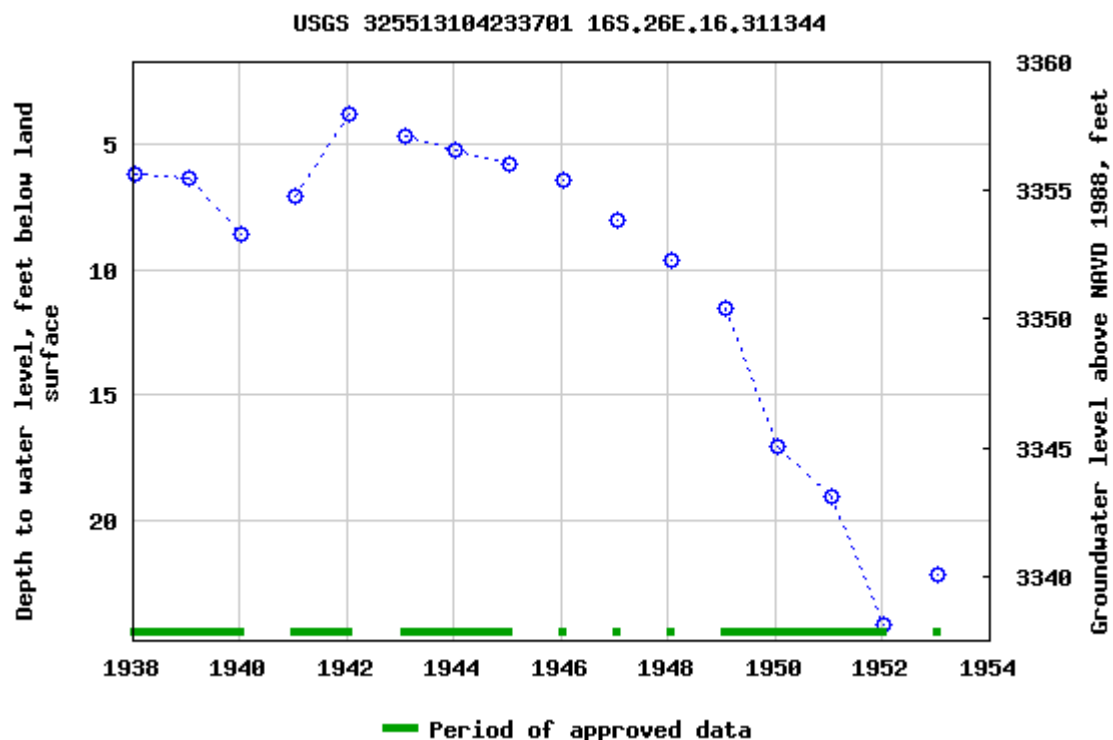
### Output formats

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[Tab-separated data](#)

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Breaks in the plot represent a gap of at least one year between field measurements.

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0.57 0.51 nadww01





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## National Water Information System: Web Interface

USGS Water Resources

Data Category:


Groundwater

Geographic Area:

United States

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## Search Results -- 1 sites found

site\_no list =

- 325517104234001

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

## USGS 325517104234001 16S.26E.16.31131

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060007

Latitude 32°55'17", Longitude 104°23'40" NAD27

Land-surface elevation 3,361 feet above NGVD29

The depth of the well is 231.00 feet below land surface.

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

This well is completed in the Artesia Group (313ARTS) local aquifer.

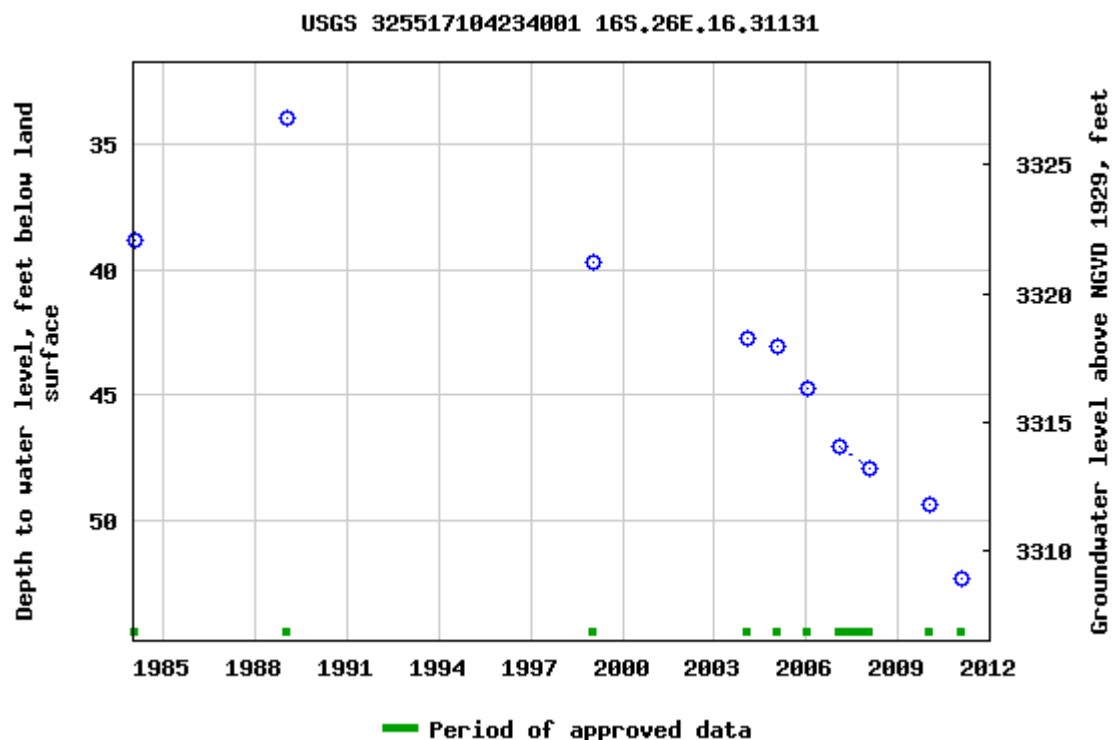
### Output formats

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[Tab-separated data](#)

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**Title: Groundwater for USA: Water Levels**

**URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>**

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0.68 0.62 nadww01





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USGS Water Resources

Data Category:


Groundwater

Geographic Area:

United States

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## Search Results -- 1 sites found

site\_no list =

- 325529104233901

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

## USGS 325529104233901 16S.26E.16.13113

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060007

Latitude 32°55'29", Longitude 104°23'39" NAD27

Land-surface elevation 3,362 feet above NAVD88

The depth of the well is 1,094 feet below land surface.

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

This well is completed in the San Andres Limestone (313SADR) local aquifer.

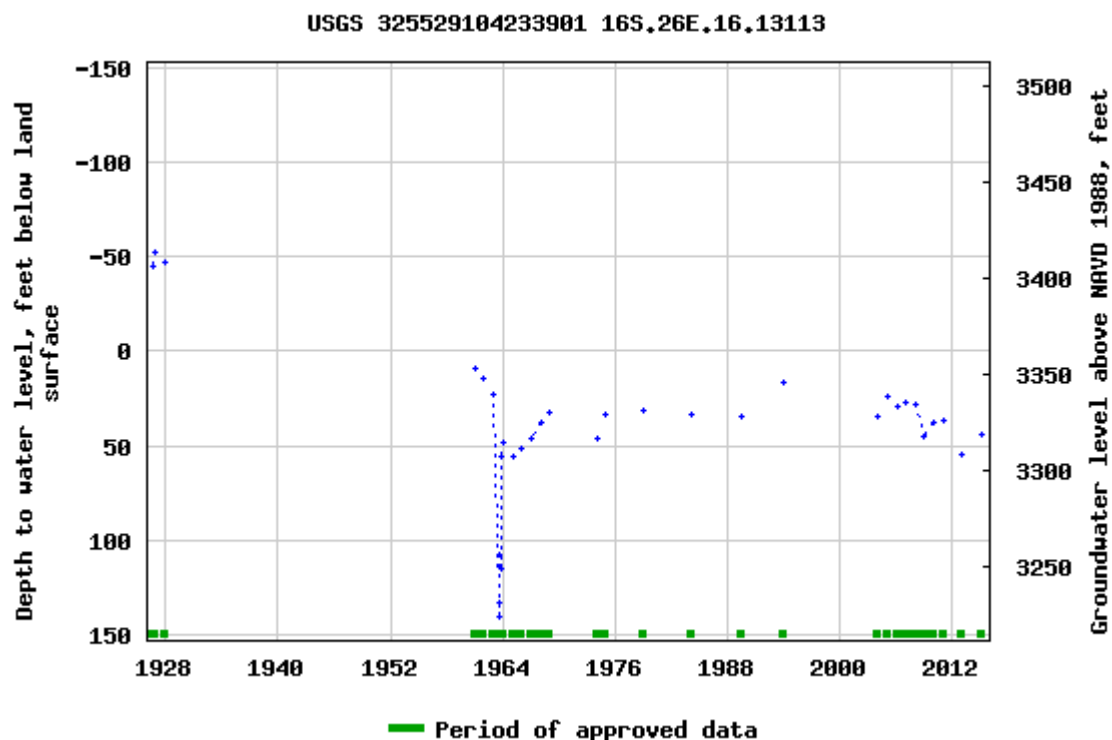
### Output formats

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[Tab-separated data](#)

[Graph of data](#)

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**Title: Groundwater for USA: Water Levels**

**URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>**

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0.68 0.59 nadww01





## **ATTACHMENT 2 – SITE PHOTOGRAPHS**



**PHOTOGRAPH NO. 1 – A general view of the hand auger boring installation process during the July 2021 site assessment in the area of A-4.** (Approximate GPS: 32.920392, -104.394350)



**PHOTOGRAPH NO. 2 – A typical view of the assessment area during the July 2021 initial assessment activities. The view is from the southeastern corner of the assessment area looking to the northwest.** (Approximate GPS: 32.920294, -104.394020)





**PHOTOGRAPH NO. 3 – A general view a hand auger boring location completed during the July 2021 assessment process.**



**PHOTOGRAPH NO. 4 – A view of the “A-1”, “A-2”, “A-3”, B-1”, “B-2”, and “B-3” areas upon completion of the soil removal operations. The view is towards the northeast.**  
(Approximate GPS: 32.920327, -104.394534)





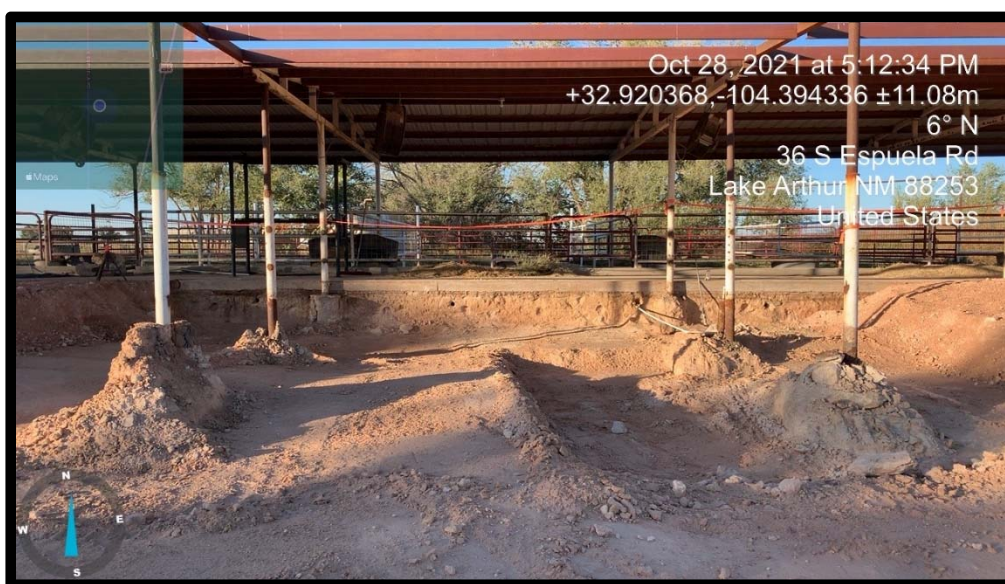
**PHOTOGRAPH NO. 5 – A view of the “A-7”, “A-8”, “A-9”, B-7”, “B-7”, and “B-9” areas upon completion of the soil removal operations. The view is towards the northeast.**  
(Approximate GPS: 32.920365, -104.394292)



**PHOTOGRAPH NO. 6 – A view of the “C Row” area upon completion of the soil removal operations. The view is towards the west.** (Approximate GPS: 32.920304, -104.394013)

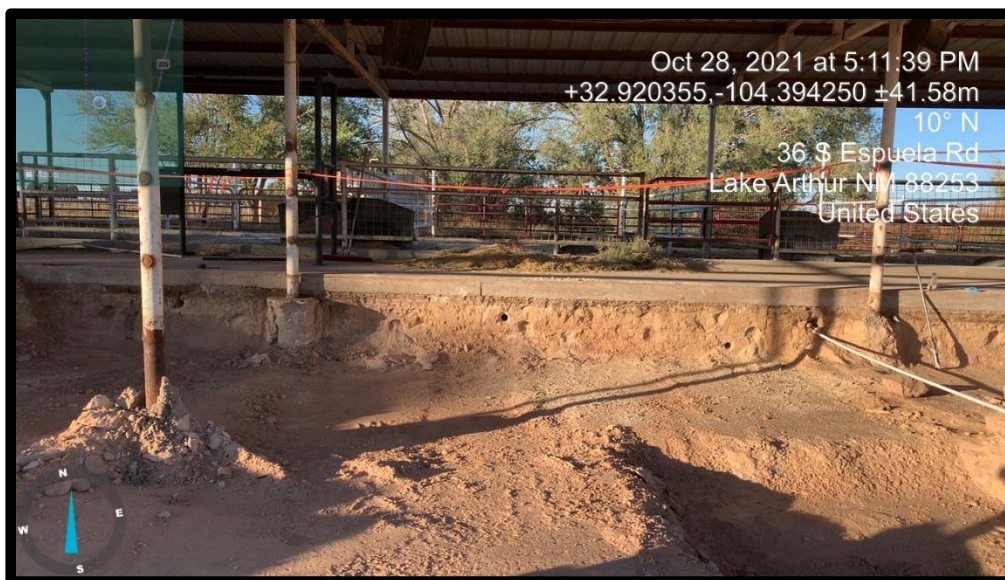


**PHOTOGRAPH NO. 7 – A view of the “A-10”, “A-11”, “A-12”, “A-13”, B-10”, “B-11”, and “B-12” and “B-13” areas during the soil removal operations. The view is towards the northeast. (Approximate GPS: 32.920260, -104.394067)**



**PHOTOGRAPH NO. 8 – A view of the “A-4”, “A-5”, “A-6”, B-4”, “B-5”, and “B-6” areas upon completion of the soil removal operations. The view is towards the north-northeast. The subject area below the concrete walkway and assessment boring locations are also visible in the photograph. (Approximate GPS: 32.920368, -104.394336)**





**PHOTOGRAPH NO. 9** – An additional view of the area below the concrete walkway in the “A-4”, “A-5”, and “A-6”, area. The view is towards the north-northeast. (Approximate GPS: 32.920368, -104.394336)



**PHOTOGRAPH NO. 10** – A view of the “C Row” area upon completion of backfill operations. The view is towards the west-northwest. (Approximate GPS: 32.920272, -104.393923)



**PHOTOGRAPH NO. 11 – A view of the area below the horse pen/stable structure upon completion of backfill operations. The view is towards the southeast. (Approximate GPS: 32.920416, -104.394495)**



**PHOTOGRAPH NO. 12 – A view of the "A-10", "A-11", "A-12", "A-13", B-10", "B-11", and "B-12" and "B-13" areas upon completion of backfill and re-assembly of the horse "hot walker" The view is towards the northeast. (Approximate GPS: 32.920312, -104.394146)**

## **ATTACHMENT 3 – LABORATORY ANALYTICAL REPORTS**





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

August 11, 2021

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

RE: McCullar Property

OrderNo.: 2107F50

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 70 sample(s) on 7/30/2021 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](http://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,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A-1/0'

Project: McCullar Property

Collection Date: 7/28/2021 7:47:00 AM

Lab ID: 2107F50-001

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	1600	60		mg/Kg	20	8/3/2021 7:53:04 PM	61743
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: <b>JMR</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/1/2021 6:07:46 PM	61676
Surr: BFB	97.0	70-130		%Rec	1	8/1/2021 6:07:46 PM	61676
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	8/3/2021 8:24:43 AM	61688
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	8/3/2021 8:24:43 AM	61688
Surr: DNOP	86.5	70-130		%Rec	1	8/3/2021 8:24:43 AM	61688
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: <b>JMR</b>
Benzene	ND	0.024		mg/Kg	1	8/1/2021 6:07:46 PM	61676
Toluene	ND	0.049		mg/Kg	1	8/1/2021 6:07:46 PM	61676
Ethylbenzene	ND	0.049		mg/Kg	1	8/1/2021 6:07:46 PM	61676
Xylenes, Total	ND	0.097		mg/Kg	1	8/1/2021 6:07:46 PM	61676
Surr: 1,2-Dichloroethane-d4	96.5	70-130		%Rec	1	8/1/2021 6:07:46 PM	61676
Surr: 4-Bromofluorobenzene	99.1	70-130		%Rec	1	8/1/2021 6:07:46 PM	61676
Surr: Dibromofluoromethane	97.7	70-130		%Rec	1	8/1/2021 6:07:46 PM	61676
Surr: Toluene-d8	103	70-130		%Rec	1	8/1/2021 6:07:46 PM	61676

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

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

Page 1 of 81

## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A-1/1'

Project: McCullar Property

Collection Date: 7/28/2021 7:56:00 AM

Lab ID: 2107F50-002

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	520	59		mg/Kg	20	8/3/2021 8:05:28 PM	61743
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: <b>JMR</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/1/2021 6:36:31 PM	61676
Surr: BFB	97.7	70-130		%Rec	1	8/1/2021 6:36:31 PM	61676
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	8/3/2021 9:37:37 AM	61688
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/3/2021 9:37:37 AM	61688
Surr: DNOP	95.9	70-130		%Rec	1	8/3/2021 9:37:37 AM	61688
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: <b>JMR</b>
Benzene	ND	0.024		mg/Kg	1	8/1/2021 6:36:31 PM	61676
Toluene	ND	0.049		mg/Kg	1	8/1/2021 6:36:31 PM	61676
Ethylbenzene	ND	0.049		mg/Kg	1	8/1/2021 6:36:31 PM	61676
Xylenes, Total	ND	0.098		mg/Kg	1	8/1/2021 6:36:31 PM	61676
Surr: 1,2-Dichloroethane-d4	100	70-130		%Rec	1	8/1/2021 6:36:31 PM	61676
Surr: 4-Bromofluorobenzene	96.8	70-130		%Rec	1	8/1/2021 6:36:31 PM	61676
Surr: Dibromofluoromethane	102	70-130		%Rec	1	8/1/2021 6:36:31 PM	61676
Surr: Toluene-d8	105	70-130		%Rec	1	8/1/2021 6:36:31 PM	61676

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

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

Page 2 of 81

## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A-1/2'

Project: McCullar Property

Collection Date: 7/28/2021 8:02:00 AM

Lab ID: 2107F50-003

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	320	60		mg/Kg	20	8/3/2021 8:42:43 PM	61743
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: <b>JMR</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	8/1/2021 7:05:10 PM	61676
Surr: BFB	96.4	70-130		%Rec	1	8/1/2021 7:05:10 PM	61676
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	8/3/2021 10:02:04 AM	61688
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/3/2021 10:02:04 AM	61688
Surr: DNOP	88.8	70-130		%Rec	1	8/3/2021 10:02:04 AM	61688
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: <b>JMR</b>
Benzene	ND	0.023		mg/Kg	1	8/1/2021 7:05:10 PM	61676
Toluene	ND	0.046		mg/Kg	1	8/1/2021 7:05:10 PM	61676
Ethylbenzene	ND	0.046		mg/Kg	1	8/1/2021 7:05:10 PM	61676
Xylenes, Total	ND	0.093		mg/Kg	1	8/1/2021 7:05:10 PM	61676
Surr: 1,2-Dichloroethane-d4	97.2	70-130		%Rec	1	8/1/2021 7:05:10 PM	61676
Surr: 4-Bromofluorobenzene	97.2	70-130		%Rec	1	8/1/2021 7:05:10 PM	61676
Surr: Dibromofluoromethane	99.2	70-130		%Rec	1	8/1/2021 7:05:10 PM	61676
Surr: Toluene-d8	103	70-130		%Rec	1	8/1/2021 7:05:10 PM	61676

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

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

Page 3 of 81

## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A-1/3'

Project: McCullar Property

Collection Date: 7/28/2021 8:09:00 AM

Lab ID: 2107F50-004

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	260	60		mg/Kg	20	8/3/2021 8:55:08 PM	61743
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	8/3/2021 10:26:14 AM	61688
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/3/2021 10:26:14 AM	61688
Surr: DNOP	87.5	70-130		%Rec	1	8/3/2021 10:26:14 AM	61688
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/1/2021 6:24:43 AM	61678
Surr: BFB	111	70-130		%Rec	1	8/1/2021 6:24:43 AM	61678
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	8/1/2021 6:24:43 AM	61678
Toluene	ND	0.050		mg/Kg	1	8/1/2021 6:24:43 AM	61678
Ethylbenzene	ND	0.050		mg/Kg	1	8/1/2021 6:24:43 AM	61678
Xylenes, Total	ND	0.099		mg/Kg	1	8/1/2021 6:24:43 AM	61678
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	8/1/2021 6:24:43 AM	61678

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

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

Page 4 of 81



## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A-1/4'

Project: McCullar Property

Collection Date: 7/28/2021 8:14:00 AM

Lab ID: 2107F50-005

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	280	60		mg/Kg	20	8/3/2021 9:07:33 PM	61743
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	8/3/2021 10:50:36 AM	61688
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/3/2021 10:50:36 AM	61688
Surr: DNOP	86.7	70-130		%Rec	1	8/3/2021 10:50:36 AM	61688
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/1/2021 7:35:37 AM	61678
Surr: BFB	113	70-130		%Rec	1	8/1/2021 7:35:37 AM	61678
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	8/1/2021 7:35:37 AM	61678
Toluene	ND	0.048		mg/Kg	1	8/1/2021 7:35:37 AM	61678
Ethylbenzene	ND	0.048		mg/Kg	1	8/1/2021 7:35:37 AM	61678
Xylenes, Total	ND	0.097		mg/Kg	1	8/1/2021 7:35:37 AM	61678
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	8/1/2021 7:35:37 AM	61678

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

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

Page 5 of 81

## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A-2/0'

Project: McCullar Property

Collection Date: 7/28/2021 8:21:00 AM

Lab ID: 2107F50-006

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	1000	60		mg/Kg	20	8/3/2021 9:19:57 PM	61743
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	8/6/2021 12:43:03 AM	61688
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	8/6/2021 12:43:03 AM	61688
Surr: DNOP	77.6	70-130		%Rec	1	8/6/2021 12:43:03 AM	61688
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/1/2021 8:45:59 AM	61678
Surr: BFB	112	70-130		%Rec	1	8/1/2021 8:45:59 AM	61678
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.023		mg/Kg	1	8/1/2021 8:45:59 AM	61678
Toluene	ND	0.047		mg/Kg	1	8/1/2021 8:45:59 AM	61678
Ethylbenzene	ND	0.047		mg/Kg	1	8/1/2021 8:45:59 AM	61678
Xylenes, Total	ND	0.093		mg/Kg	1	8/1/2021 8:45:59 AM	61678
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	8/1/2021 8:45:59 AM	61678

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

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

Page 6 of 81

## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A-2/1'

Project: McCullar Property

Collection Date: 7/28/2021 8:28:00 AM

Lab ID: 2107F50-007

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	650	60		mg/Kg	20	8/3/2021 9:32:22 PM	61743
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	8/3/2021 11:39:12 AM	61688
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/3/2021 11:39:12 AM	61688
Surr: DNOP	95.5	70-130		%Rec	1	8/3/2021 11:39:12 AM	61688
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/1/2021 9:09:33 AM	61678
Surr: BFB	113	70-130		%Rec	1	8/1/2021 9:09:33 AM	61678
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	8/1/2021 9:09:33 AM	61678
Toluene	ND	0.049		mg/Kg	1	8/1/2021 9:09:33 AM	61678
Ethylbenzene	ND	0.049		mg/Kg	1	8/1/2021 9:09:33 AM	61678
Xylenes, Total	ND	0.098		mg/Kg	1	8/1/2021 9:09:33 AM	61678
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	8/1/2021 9:09:33 AM	61678

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

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

Page 7 of 81

## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A-2/2'

Project: McCullar Property

Collection Date: 7/28/2021 8:34:00 AM

Lab ID: 2107F50-008

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	320	60		mg/Kg	20	8/3/2021 9:44:47 PM	61743
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	8/3/2021 12:03:28 PM	61688
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/3/2021 12:03:28 PM	61688
Surr: DNOP	95.1	70-130		%Rec	1	8/3/2021 12:03:28 PM	61688
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/1/2021 9:33:09 AM	61678
Surr: BFB	112	70-130		%Rec	1	8/1/2021 9:33:09 AM	61678
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	8/1/2021 9:33:09 AM	61678
Toluene	ND	0.049		mg/Kg	1	8/1/2021 9:33:09 AM	61678
Ethylbenzene	ND	0.049		mg/Kg	1	8/1/2021 9:33:09 AM	61678
Xylenes, Total	ND	0.099		mg/Kg	1	8/1/2021 9:33:09 AM	61678
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	8/1/2021 9:33:09 AM	61678

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

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

Page 8 of 81



## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A-2/3'

Project: McCullar Property

Collection Date: 7/28/2021 8:39:00 AM

Lab ID: 2107F50-009

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	140	60		mg/Kg	20	8/3/2021 9:57:12 PM	61743
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	8/3/2021 12:27:59 PM	61688
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/3/2021 12:27:59 PM	61688
Surr: DNOP	87.2	70-130		%Rec	1	8/3/2021 12:27:59 PM	61688
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/1/2021 9:56:46 AM	61678
Surr: BFB	112	70-130		%Rec	1	8/1/2021 9:56:46 AM	61678
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	8/1/2021 9:56:46 AM	61678
Toluene	ND	0.048		mg/Kg	1	8/1/2021 9:56:46 AM	61678
Ethylbenzene	ND	0.048		mg/Kg	1	8/1/2021 9:56:46 AM	61678
Xylenes, Total	ND	0.097		mg/Kg	1	8/1/2021 9:56:46 AM	61678
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	8/1/2021 9:56:46 AM	61678

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

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

Page 9 of 81

## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A-2/4'

Project: McCullar Property

Collection Date: 7/28/2021 8:44:00 AM

Lab ID: 2107F50-010

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	170	60		mg/Kg	20	8/3/2021 10:09:37 PM	61743
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	8/3/2021 12:52:16 PM	61688
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/3/2021 12:52:16 PM	61688
Surr: DNOP	98.0	70-130		%Rec	1	8/3/2021 12:52:16 PM	61688
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	8/1/2021 10:20:20 AM	61678
Surr: BFB	113	70-130		%Rec	1	8/1/2021 10:20:20 AM	61678
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.023		mg/Kg	1	8/1/2021 10:20:20 AM	61678
Toluene	ND	0.046		mg/Kg	1	8/1/2021 10:20:20 AM	61678
Ethylbenzene	ND	0.046		mg/Kg	1	8/1/2021 10:20:20 AM	61678
Xylenes, Total	ND	0.093		mg/Kg	1	8/1/2021 10:20:20 AM	61678
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	8/1/2021 10:20:20 AM	61678

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

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

## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A-3/0'

Project: McCullar Property

Collection Date: 7/28/2021 8:53:00 AM

Lab ID: 2107F50-011

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	8900	590		mg/Kg	200	8/5/2021 5:28:57 PM	61743
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	13	9.4		mg/Kg	1	8/5/2021 11:17:01 PM	61688
Motor Oil Range Organics (MRO)	100	47		mg/Kg	1	8/5/2021 11:17:01 PM	61688
Surr: DNOP	95.9	70-130		%Rec	1	8/5/2021 11:17:01 PM	61688
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/1/2021 10:43:54 AM	61678
Surr: BFB	110	70-130		%Rec	1	8/1/2021 10:43:54 AM	61678
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	8/1/2021 10:43:54 AM	61678
Toluene	ND	0.047		mg/Kg	1	8/1/2021 10:43:54 AM	61678
Ethylbenzene	ND	0.047		mg/Kg	1	8/1/2021 10:43:54 AM	61678
Xylenes, Total	ND	0.095		mg/Kg	1	8/1/2021 10:43:54 AM	61678
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	8/1/2021 10:43:54 AM	61678

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

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

## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A-3/1'

Project: McCullar Property

Collection Date: 7/28/2021 8:59:00 AM

Lab ID: 2107F50-012

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	2100	150		mg/Kg	50	8/5/2021 5:41:22 PM	61743
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	8/5/2021 10:52:24 PM	61688
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/5/2021 10:52:24 PM	61688
Surr: DNOP	101	70-130		%Rec	1	8/5/2021 10:52:24 PM	61688
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	8/1/2021 11:07:34 AM	61678
Surr: BFB	112	70-130		%Rec	1	8/1/2021 11:07:34 AM	61678
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.023		mg/Kg	1	8/1/2021 11:07:34 AM	61678
Toluene	ND	0.046		mg/Kg	1	8/1/2021 11:07:34 AM	61678
Ethylbenzene	ND	0.046		mg/Kg	1	8/1/2021 11:07:34 AM	61678
Xylenes, Total	ND	0.092		mg/Kg	1	8/1/2021 11:07:34 AM	61678
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	8/1/2021 11:07:34 AM	61678

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

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



## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A-3/2'

Project: McCullar Property

Collection Date: 7/28/2021 9:04:00 AM

Lab ID: 2107F50-013

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	560	60		mg/Kg	20	8/3/2021 11:11:41 PM	61743
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	8/3/2021 2:05:15 PM	61688
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/3/2021 2:05:15 PM	61688
Surr: DNOP	95.9	70-130		%Rec	1	8/3/2021 2:05:15 PM	61688
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/1/2021 11:31:08 AM	61678
Surr: BFB	111	70-130		%Rec	1	8/1/2021 11:31:08 AM	61678
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	8/1/2021 11:31:08 AM	61678
Toluene	ND	0.048		mg/Kg	1	8/1/2021 11:31:08 AM	61678
Ethylbenzene	ND	0.048		mg/Kg	1	8/1/2021 11:31:08 AM	61678
Xylenes, Total	ND	0.096		mg/Kg	1	8/1/2021 11:31:08 AM	61678
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	8/1/2021 11:31:08 AM	61678

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

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

Page 13 of 81

## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A-3/3'

Project: McCullar Property

Collection Date: 7/28/2021 9:12:00 AM

Lab ID: 2107F50-014

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	740	60		mg/Kg	20	8/3/2021 11:24:05 PM	61743
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	8/3/2021 2:29:37 PM	61688
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/3/2021 2:29:37 PM	61688
Surr: DNOP	105	70-130		%Rec	1	8/3/2021 2:29:37 PM	61688
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/1/2021 1:05:28 PM	61678
Surr: BFB	112	70-130		%Rec	1	8/1/2021 1:05:28 PM	61678
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	8/1/2021 1:05:28 PM	61678
Toluene	ND	0.049		mg/Kg	1	8/1/2021 1:05:28 PM	61678
Ethylbenzene	ND	0.049		mg/Kg	1	8/1/2021 1:05:28 PM	61678
Xylenes, Total	ND	0.098		mg/Kg	1	8/1/2021 1:05:28 PM	61678
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	8/1/2021 1:05:28 PM	61678

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

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

## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A-3/4'

Project: McCullar Property

Collection Date: 7/28/2021 9:19:00 AM

Lab ID: 2107F50-015

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	680	60		mg/Kg	20	8/3/2021 11:36:30 PM	61743
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	8/3/2021 2:54:00 PM	61688
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/3/2021 2:54:00 PM	61688
Surr: DNOP	86.3	70-130		%Rec	1	8/3/2021 2:54:00 PM	61688
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/1/2021 1:29:04 PM	61678
Surr: BFB	113	70-130		%Rec	1	8/1/2021 1:29:04 PM	61678
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.023		mg/Kg	1	8/1/2021 1:29:04 PM	61678
Toluene	ND	0.047		mg/Kg	1	8/1/2021 1:29:04 PM	61678
Ethylbenzene	ND	0.047		mg/Kg	1	8/1/2021 1:29:04 PM	61678
Xylenes, Total	ND	0.094		mg/Kg	1	8/1/2021 1:29:04 PM	61678
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	8/1/2021 1:29:04 PM	61678

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

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

## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A-4/0'

Project: McCullar Property

Collection Date: 7/28/2021 9:26:00 AM

Lab ID: 2107F50-016

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	8900	600		mg/Kg	200	8/5/2021 5:53:46 PM	61743
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	20	9.7		mg/Kg	1	8/9/2021 6:42:41 PM	61819
Motor Oil Range Organics (MRO)	120	49		mg/Kg	1	8/9/2021 6:42:41 PM	61819
Surr: DNOP	94.1	70-130		%Rec	1	8/9/2021 6:42:41 PM	61819
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/1/2021 1:52:41 PM	61678
Surr: BFB	112	70-130		%Rec	1	8/1/2021 1:52:41 PM	61678
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	8/1/2021 1:52:41 PM	61678
Toluene	ND	0.049		mg/Kg	1	8/1/2021 1:52:41 PM	61678
Ethylbenzene	ND	0.049		mg/Kg	1	8/1/2021 1:52:41 PM	61678
Xylenes, Total	ND	0.099		mg/Kg	1	8/1/2021 1:52:41 PM	61678
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	8/1/2021 1:52:41 PM	61678

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

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

Page 16 of 81



## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A-4/1'

Project: McCullar Property

Collection Date: 7/28/2021 9:33:00 AM

Lab ID: 2107F50-017

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	3400	150		mg/Kg	50	8/5/2021 6:06:10 PM	61751
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	9.8	9.7		mg/Kg	1	8/6/2021 12:30:37 AM	61688
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/6/2021 12:30:37 AM	61688
Surr: DNOP	87.9	70-130		%Rec	1	8/6/2021 12:30:37 AM	61688
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/1/2021 2:16:19 PM	61678
Surr: BFB	112	70-130		%Rec	1	8/1/2021 2:16:19 PM	61678
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.023		mg/Kg	1	8/1/2021 2:16:19 PM	61678
Toluene	ND	0.047		mg/Kg	1	8/1/2021 2:16:19 PM	61678
Ethylbenzene	ND	0.047		mg/Kg	1	8/1/2021 2:16:19 PM	61678
Xylenes, Total	ND	0.093		mg/Kg	1	8/1/2021 2:16:19 PM	61678
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	8/1/2021 2:16:19 PM	61678

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

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

## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A-4/2'

Project: McCullar Property

Collection Date: 7/28/2021 9:41:00 AM

Lab ID: 2107F50-018

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	2200	61		mg/Kg	20	8/4/2021 12:38:33 AM	61751
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	8/6/2021 12:18:29 AM	61688
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/6/2021 12:18:29 AM	61688
Surr: DNOP	84.8	70-130		%Rec	1	8/6/2021 12:18:29 AM	61688
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/1/2021 2:39:51 PM	61678
Surr: BFB	113	70-130		%Rec	1	8/1/2021 2:39:51 PM	61678
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	8/1/2021 2:39:51 PM	61678
Toluene	ND	0.048		mg/Kg	1	8/1/2021 2:39:51 PM	61678
Ethylbenzene	ND	0.048		mg/Kg	1	8/1/2021 2:39:51 PM	61678
Xylenes, Total	ND	0.097		mg/Kg	1	8/1/2021 2:39:51 PM	61678
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	8/1/2021 2:39:51 PM	61678

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

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

Page 18 of 81

## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A-4/3'

Project: McCullar Property

Collection Date: 7/28/2021 9:48:00 AM

Lab ID: 2107F50-019

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	820	60		mg/Kg	20	8/4/2021 12:50:58 AM	61751
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	8/3/2021 4:31:16 PM	61688
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/3/2021 4:31:16 PM	61688
Surr: DNOP	101	70-130		%Rec	1	8/3/2021 4:31:16 PM	61688
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/1/2021 3:03:25 PM	61678
Surr: BFB	111	70-130		%Rec	1	8/1/2021 3:03:25 PM	61678
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	8/1/2021 3:03:25 PM	61678
Toluene	ND	0.047		mg/Kg	1	8/1/2021 3:03:25 PM	61678
Ethylbenzene	ND	0.047		mg/Kg	1	8/1/2021 3:03:25 PM	61678
Xylenes, Total	ND	0.095		mg/Kg	1	8/1/2021 3:03:25 PM	61678
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	8/1/2021 3:03:25 PM	61678

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

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

## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A-4/4'

Project: McCullar Property

Collection Date: 7/28/2021 9:56:00 AM

Lab ID: 2107F50-020

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	510	60		mg/Kg	20	8/4/2021 1:03:23 AM	61751
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	8/3/2021 4:55:35 PM	61688
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/3/2021 4:55:35 PM	61688
Surr: DNOP	86.5	70-130		%Rec	1	8/3/2021 4:55:35 PM	61688
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/1/2021 3:27:01 PM	61678
Surr: BFB	113	70-130		%Rec	1	8/1/2021 3:27:01 PM	61678
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	8/1/2021 3:27:01 PM	61678
Toluene	ND	0.048		mg/Kg	1	8/1/2021 3:27:01 PM	61678
Ethylbenzene	ND	0.048		mg/Kg	1	8/1/2021 3:27:01 PM	61678
Xylenes, Total	ND	0.096		mg/Kg	1	8/1/2021 3:27:01 PM	61678
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	8/1/2021 3:27:01 PM	61678

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

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



## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A-7/0'

Project: McCullar Property

Collection Date: 7/28/2021 10:12:00 AM

Lab ID: 2107F50-021

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	18000	600		mg/Kg	200	8/5/2021 6:18:34 PM	61751
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	110	20		mg/Kg	2	8/4/2021 8:38:32 PM	61689
Motor Oil Range Organics (MRO)	510	98		mg/Kg	2	8/4/2021 8:38:32 PM	61689
Surr: DNOP	110	70-130		%Rec	2	8/4/2021 8:38:32 PM	61689
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	9.8		mg/Kg	2	8/1/2021 3:50:42 PM	61678
Surr: BFB	112	70-130		%Rec	2	8/1/2021 3:50:42 PM	61678
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.049		mg/Kg	2	8/1/2021 3:50:42 PM	61678
Toluene	ND	0.098		mg/Kg	2	8/1/2021 3:50:42 PM	61678
Ethylbenzene	ND	0.098		mg/Kg	2	8/1/2021 3:50:42 PM	61678
Xylenes, Total	ND	0.20		mg/Kg	2	8/1/2021 3:50:42 PM	61678
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	2	8/1/2021 3:50:42 PM	61678

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

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

Page 21 of 81

## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A-7/1'

Project: McCullar Property

Collection Date: 7/28/2021 10:20:00 AM

Lab ID: 2107F50-022

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	1900	59		mg/Kg	20	8/4/2021 2:42:40 AM	61751
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	8/4/2021 2:19:12 AM	61689
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/4/2021 2:19:12 AM	61689
Surr: DNOP	92.2	70-130		%Rec	1	8/4/2021 2:19:12 AM	61689
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/1/2021 4:14:22 PM	61678
Surr: BFB	113	70-130		%Rec	1	8/1/2021 4:14:22 PM	61678
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	8/1/2021 4:14:22 PM	61678
Toluene	ND	0.047		mg/Kg	1	8/1/2021 4:14:22 PM	61678
Ethylbenzene	ND	0.047		mg/Kg	1	8/1/2021 4:14:22 PM	61678
Xylenes, Total	ND	0.094		mg/Kg	1	8/1/2021 4:14:22 PM	61678
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	8/1/2021 4:14:22 PM	61678

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

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

## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A-7/2'

Project: McCullar Property

Collection Date: 7/28/2021 10:27:00 AM

Lab ID: 2107F50-023

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	1200	60		mg/Kg	20	8/4/2021 2:55:04 AM	61751
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	8/4/2021 2:42:56 AM	61689
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/4/2021 2:42:56 AM	61689
Surr: DNOP	87.8	70-130		%Rec	1	8/4/2021 2:42:56 AM	61689
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/1/2021 4:38:00 PM	61678
Surr: BFB	113	70-130		%Rec	1	8/1/2021 4:38:00 PM	61678
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	8/1/2021 4:38:00 PM	61678
Toluene	ND	0.048		mg/Kg	1	8/1/2021 4:38:00 PM	61678
Ethylbenzene	ND	0.048		mg/Kg	1	8/1/2021 4:38:00 PM	61678
Xylenes, Total	ND	0.096		mg/Kg	1	8/1/2021 4:38:00 PM	61678
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	8/1/2021 4:38:00 PM	61678

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

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

Page 23 of 81

## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A-7/3'

Project: McCullar Property

Collection Date: 7/28/2021 10:34:00 AM

Lab ID: 2107F50-024

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	500	60		mg/Kg	20	8/4/2021 3:07:30 AM	61751
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	8/4/2021 3:06:39 AM	61689
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/4/2021 3:06:39 AM	61689
Surr: DNOP	96.1	70-130		%Rec	1	8/4/2021 3:06:39 AM	61689
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/2/2021 1:01:49 PM	61685
Surr: BFB	114	70-130		%Rec	1	8/2/2021 1:01:49 PM	61685
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.023		mg/Kg	1	8/2/2021 1:01:49 PM	61685
Toluene	ND	0.047		mg/Kg	1	8/2/2021 1:01:49 PM	61685
Ethylbenzene	ND	0.047		mg/Kg	1	8/2/2021 1:01:49 PM	61685
Xylenes, Total	ND	0.093		mg/Kg	1	8/2/2021 1:01:49 PM	61685
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	8/2/2021 1:01:49 PM	61685

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

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

Page 24 of 81



## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A-7/4'

Project: McCullar Property

Collection Date: 7/28/2021 10:41:00 AM

Lab ID: 2107F50-025

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	550	60		mg/Kg	20	8/4/2021 3:19:54 AM	61751
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	8/4/2021 3:30:23 AM	61689
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/4/2021 3:30:23 AM	61689
Surr: DNOP	96.7	70-130		%Rec	1	8/4/2021 3:30:23 AM	61689
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/2/2021 2:12:28 PM	61685
Surr: BFB	116	70-130		%Rec	1	8/2/2021 2:12:28 PM	61685
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	8/2/2021 2:12:28 PM	61685
Toluene	ND	0.048		mg/Kg	1	8/2/2021 2:12:28 PM	61685
Ethylbenzene	ND	0.048		mg/Kg	1	8/2/2021 2:12:28 PM	61685
Xylenes, Total	ND	0.097		mg/Kg	1	8/2/2021 2:12:28 PM	61685
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	1	8/2/2021 2:12:28 PM	61685

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

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

## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A-8/0'

Project: McCullar Property

Collection Date: 7/28/2021 10:51:00 AM

Lab ID: 2107F50-026

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	4800	150		mg/Kg	50	8/5/2021 6:30:59 PM	61751
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	26	9.5		mg/Kg	1	8/5/2021 12:39:54 AM	61689
Motor Oil Range Organics (MRO)	160	47		mg/Kg	1	8/5/2021 12:39:54 AM	61689
Surr: DNOP	97.5	70-130		%Rec	1	8/5/2021 12:39:54 AM	61689
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	9.8		mg/Kg	2	8/2/2021 3:46:49 PM	61685
Surr: BFB	111	70-130		%Rec	2	8/2/2021 3:46:49 PM	61685
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.049		mg/Kg	2	8/2/2021 3:46:49 PM	61685
Toluene	ND	0.098		mg/Kg	2	8/2/2021 3:46:49 PM	61685
Ethylbenzene	ND	0.098		mg/Kg	2	8/2/2021 3:46:49 PM	61685
Xylenes, Total	ND	0.20		mg/Kg	2	8/2/2021 3:46:49 PM	61685
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	2	8/2/2021 3:46:49 PM	61685

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

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

Page 26 of 81

## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A-8/1'

Project: McCullar Property

Collection Date: 7/28/2021 11:00:00 AM

Lab ID: 2107F50-027

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	2700	150		mg/Kg	50	8/5/2021 6:43:23 PM	61751
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	8/5/2021 1:27:55 AM	61689
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/5/2021 1:27:55 AM	61689
Surr: DNOP	92.3	70-130		%Rec	1	8/5/2021 1:27:55 AM	61689
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	10		mg/Kg	2	8/2/2021 4:10:28 PM	61685
Surr: BFB	110	70-130		%Rec	2	8/2/2021 4:10:28 PM	61685
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.050		mg/Kg	2	8/2/2021 4:10:28 PM	61685
Toluene	ND	0.10		mg/Kg	2	8/2/2021 4:10:28 PM	61685
Ethylbenzene	ND	0.10		mg/Kg	2	8/2/2021 4:10:28 PM	61685
Xylenes, Total	ND	0.20		mg/Kg	2	8/2/2021 4:10:28 PM	61685
Surr: 4-Bromofluorobenzene	99.9	70-130		%Rec	2	8/2/2021 4:10:28 PM	61685

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

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

## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A-8/2'

Project: McCullar Property

Collection Date: 7/28/2021 11:10:00 AM

Lab ID: 2107F50-028

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	920	60		mg/Kg	20	8/5/2021 7:20:36 PM	61751
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	10	9.9		mg/Kg	1	8/5/2021 2:16:01 AM	61689
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/5/2021 2:16:01 AM	61689
Surr: DNOP	87.1	70-130		%Rec	1	8/5/2021 2:16:01 AM	61689
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	9.8		mg/Kg	2	8/2/2021 4:34:10 PM	61685
Surr: BFB	114	70-130		%Rec	2	8/2/2021 4:34:10 PM	61685
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.049		mg/Kg	2	8/2/2021 4:34:10 PM	61685
Toluene	ND	0.098		mg/Kg	2	8/2/2021 4:34:10 PM	61685
Ethylbenzene	ND	0.098		mg/Kg	2	8/2/2021 4:34:10 PM	61685
Xylenes, Total	ND	0.20		mg/Kg	2	8/2/2021 4:34:10 PM	61685
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	2	8/2/2021 4:34:10 PM	61685

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

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

Page 28 of 81

## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A-8/3'

Project: McCullar Property

Collection Date: 7/28/2021 11:15:00 AM

Lab ID: 2107F50-029

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	330	61		mg/Kg	20	8/5/2021 7:33:00 PM	61751
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	8/4/2021 5:28:42 AM	61689
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/4/2021 5:28:42 AM	61689
Surr: DNOP	93.5	70-130		%Rec	1	8/4/2021 5:28:42 AM	61689
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/2/2021 4:57:51 PM	61685
Surr: BFB	114	70-130		%Rec	1	8/2/2021 4:57:51 PM	61685
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	8/2/2021 4:57:51 PM	61685
Toluene	ND	0.049		mg/Kg	1	8/2/2021 4:57:51 PM	61685
Ethylbenzene	ND	0.049		mg/Kg	1	8/2/2021 4:57:51 PM	61685
Xylenes, Total	ND	0.098		mg/Kg	1	8/2/2021 4:57:51 PM	61685
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	8/2/2021 4:57:51 PM	61685

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

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



## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A-8/4'

Project: McCullar Property

Collection Date: 7/28/2021 11:23:00 AM

Lab ID: 2107F50-030

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	400	60		mg/Kg	20	8/5/2021 7:45:25 PM	61751
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	8/4/2021 5:52:11 AM	61689
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/4/2021 5:52:11 AM	61689
Surr: DNOP	92.3	70-130		%Rec	1	8/4/2021 5:52:11 AM	61689
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/2/2021 5:21:30 PM	61685
Surr: BFB	117	70-130		%Rec	1	8/2/2021 5:21:30 PM	61685
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	8/2/2021 5:21:30 PM	61685
Toluene	ND	0.049		mg/Kg	1	8/2/2021 5:21:30 PM	61685
Ethylbenzene	ND	0.049		mg/Kg	1	8/2/2021 5:21:30 PM	61685
Xylenes, Total	ND	0.097		mg/Kg	1	8/2/2021 5:21:30 PM	61685
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	8/2/2021 5:21:30 PM	61685

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

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

Page 30 of 81

## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A-9/0'

Project: McCullar Property

Collection Date: 7/28/2021 11:29:00 AM

Lab ID: 2107F50-031

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	2300	150		mg/Kg	50	8/5/2021 7:57:49 PM	61751
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	8/4/2021 6:15:47 AM	61689
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	8/4/2021 6:15:47 AM	61689
Surr: DNOP	97.1	70-130		%Rec	1	8/4/2021 6:15:47 AM	61689
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	9.5		mg/Kg	2	8/2/2021 5:45:14 PM	61685
Surr: BFB	139	70-130	S	%Rec	2	8/2/2021 5:45:14 PM	61685
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.048		mg/Kg	2	8/2/2021 5:45:14 PM	61685
Toluene	ND	0.095		mg/Kg	2	8/2/2021 5:45:14 PM	61685
Ethylbenzene	ND	0.095		mg/Kg	2	8/2/2021 5:45:14 PM	61685
Xylenes, Total	ND	0.19		mg/Kg	2	8/2/2021 5:45:14 PM	61685
Surr: 4-Bromofluorobenzene	126	70-130		%Rec	2	8/2/2021 5:45:14 PM	61685

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

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

Page 31 of 81

## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A-9/1'

Project: McCullar Property

Collection Date: 7/28/2021 11:37:00 AM

Lab ID: 2107F50-032

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	1400	60		mg/Kg	20	8/5/2021 8:10:14 PM	61751
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	8/4/2021 6:39:27 AM	61689
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/4/2021 6:39:27 AM	61689
Surr: DNOP	91.8	70-130		%Rec	1	8/4/2021 6:39:27 AM	61689
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/2/2021 6:08:55 PM	61685
Surr: BFB	117	70-130		%Rec	1	8/2/2021 6:08:55 PM	61685
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	8/2/2021 6:08:55 PM	61685
Toluene	ND	0.048		mg/Kg	1	8/2/2021 6:08:55 PM	61685
Ethylbenzene	ND	0.048		mg/Kg	1	8/2/2021 6:08:55 PM	61685
Xylenes, Total	ND	0.096		mg/Kg	1	8/2/2021 6:08:55 PM	61685
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	1	8/2/2021 6:08:55 PM	61685

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

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

## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A-9/2'

Project: McCullar Property

Collection Date: 7/28/2021 11:43:00 AM

Lab ID: 2107F50-033

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	1200	60		mg/Kg	20	8/5/2021 8:22:38 PM	61751
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	8/4/2021 7:03:09 AM	61689
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	8/4/2021 7:03:09 AM	61689
Surr: DNOP	86.3	70-130		%Rec	1	8/4/2021 7:03:09 AM	61689
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/2/2021 6:32:38 PM	61685
Surr: BFB	116	70-130		%Rec	1	8/2/2021 6:32:38 PM	61685
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	8/2/2021 6:32:38 PM	61685
Toluene	ND	0.050		mg/Kg	1	8/2/2021 6:32:38 PM	61685
Ethylbenzene	ND	0.050		mg/Kg	1	8/2/2021 6:32:38 PM	61685
Xylenes, Total	ND	0.10		mg/Kg	1	8/2/2021 6:32:38 PM	61685
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	8/2/2021 6:32:38 PM	61685

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

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

Page 33 of 81

## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A-9/3'

Project: McCullar Property

Collection Date: 7/28/2021 11:51:00 AM

Lab ID: 2107F50-034

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	440	60		mg/Kg	20	8/5/2021 8:35:03 PM	61751
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	8/4/2021 7:26:51 AM	61689
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	8/4/2021 7:26:51 AM	61689
Surr: DNOP	97.7	70-130		%Rec	1	8/4/2021 7:26:51 AM	61689
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	9.9		mg/Kg	2	8/2/2021 7:43:37 PM	61685
Surr: BFB	114	70-130		%Rec	2	8/2/2021 7:43:37 PM	61685
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.049		mg/Kg	2	8/2/2021 7:43:37 PM	61685
Toluene	ND	0.099		mg/Kg	2	8/2/2021 7:43:37 PM	61685
Ethylbenzene	ND	0.099		mg/Kg	2	8/2/2021 7:43:37 PM	61685
Xylenes, Total	ND	0.20		mg/Kg	2	8/2/2021 7:43:37 PM	61685
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	2	8/2/2021 7:43:37 PM	61685

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

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

Page 34 of 81



## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A-9/4'

Project: McCullar Property

Collection Date: 7/28/2021 12:00:00 PM

Lab ID: 2107F50-035

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	170	59		mg/Kg	20	8/5/2021 8:47:28 PM	61751
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	8/4/2021 7:50:31 AM	61689
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/4/2021 7:50:31 AM	61689
Surr: DNOP	90.6	70-130		%Rec	1	8/4/2021 7:50:31 AM	61689
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/2/2021 8:07:16 PM	61685
Surr: BFB	115	70-130		%Rec	1	8/2/2021 8:07:16 PM	61685
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	8/2/2021 8:07:16 PM	61685
Toluene	ND	0.048		mg/Kg	1	8/2/2021 8:07:16 PM	61685
Ethylbenzene	ND	0.048		mg/Kg	1	8/2/2021 8:07:16 PM	61685
Xylenes, Total	ND	0.096		mg/Kg	1	8/2/2021 8:07:16 PM	61685
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	8/2/2021 8:07:16 PM	61685

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

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

## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A-10/0'

Project: McCullar Property

Collection Date: 7/28/2021 1:15:00 PM

Lab ID: 2107F50-036

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	930	60		mg/Kg	20	8/5/2021 8:59:52 PM	61751
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	8/5/2021 3:04:02 AM	61689
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	8/5/2021 3:04:02 AM	61689
Surr: DNOP	93.7	70-130		%Rec	1	8/5/2021 3:04:02 AM	61689
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	9.4		mg/Kg	2	8/2/2021 8:30:52 PM	61685
Surr: BFB	115	70-130		%Rec	2	8/2/2021 8:30:52 PM	61685
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.047		mg/Kg	2	8/2/2021 8:30:52 PM	61685
Toluene	ND	0.094		mg/Kg	2	8/2/2021 8:30:52 PM	61685
Ethylbenzene	ND	0.094		mg/Kg	2	8/2/2021 8:30:52 PM	61685
Xylenes, Total	ND	0.19		mg/Kg	2	8/2/2021 8:30:52 PM	61685
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	2	8/2/2021 8:30:52 PM	61685

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

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

Page 36 of 81

## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A-10/1'

Project: McCullar Property

Collection Date: 7/28/2021 1:21:00 PM

Lab ID: 2107F50-037

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	770	61		mg/Kg	20	8/4/2021 7:56:11 AM	61765
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	8.6		mg/Kg	1	8/4/2021 8:37:59 AM	61689
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	8/4/2021 8:37:59 AM	61689
Surr: DNOP	90.2	70-130		%Rec	1	8/4/2021 8:37:59 AM	61689
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	9.2		mg/Kg	2	8/2/2021 8:54:26 PM	61685
Surr: BFB	114	70-130		%Rec	2	8/2/2021 8:54:26 PM	61685
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.046		mg/Kg	2	8/2/2021 8:54:26 PM	61685
Toluene	ND	0.092		mg/Kg	2	8/2/2021 8:54:26 PM	61685
Ethylbenzene	ND	0.092		mg/Kg	2	8/2/2021 8:54:26 PM	61685
Xylenes, Total	ND	0.18		mg/Kg	2	8/2/2021 8:54:26 PM	61685
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	2	8/2/2021 8:54:26 PM	61685

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

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

Page 37 of 81

## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A-10/2'

Project: McCullar Property

Collection Date: 7/28/2021 1:32:00 PM

Lab ID: 2107F50-038

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	500	60		mg/Kg	20	8/4/2021 8:33:24 AM	61765
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	8/4/2021 9:01:40 AM	61689
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	8/4/2021 9:01:40 AM	61689
Surr: DNOP	88.2	70-130		%Rec	1	8/4/2021 9:01:40 AM	61689
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/2/2021 9:18:01 PM	61685
Surr: BFB	114	70-130		%Rec	1	8/2/2021 9:18:01 PM	61685
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	8/2/2021 9:18:01 PM	61685
Toluene	ND	0.049		mg/Kg	1	8/2/2021 9:18:01 PM	61685
Ethylbenzene	ND	0.049		mg/Kg	1	8/2/2021 9:18:01 PM	61685
Xylenes, Total	ND	0.098		mg/Kg	1	8/2/2021 9:18:01 PM	61685
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	8/2/2021 9:18:01 PM	61685

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

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

## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A-10/3'

Project: McCullar Property

Collection Date: 7/28/2021 1:37:00 PM

Lab ID: 2107F50-039

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	290	60		mg/Kg	20	8/4/2021 9:10:37 AM	61765
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	8/4/2021 9:25:20 AM	61689
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/4/2021 9:25:20 AM	61689
Surr: DNOP	89.7	70-130		%Rec	1	8/4/2021 9:25:20 AM	61689
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/2/2021 9:41:31 PM	61685
Surr: BFB	115	70-130		%Rec	1	8/2/2021 9:41:31 PM	61685
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	8/2/2021 9:41:31 PM	61685
Toluene	ND	0.049		mg/Kg	1	8/2/2021 9:41:31 PM	61685
Ethylbenzene	ND	0.049		mg/Kg	1	8/2/2021 9:41:31 PM	61685
Xylenes, Total	ND	0.099		mg/Kg	1	8/2/2021 9:41:31 PM	61685
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	1	8/2/2021 9:41:31 PM	61685

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

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

Page 39 of 81



## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A-10/4'

Project: McCullar Property

Collection Date: 7/28/2021 1:45:00 PM

Lab ID: 2107F50-040

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	200	60		mg/Kg	20	8/4/2021 9:23:01 AM	61765
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	8/4/2021 9:49:13 AM	61689
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/4/2021 9:49:13 AM	61689
Surr: DNOP	90.0	70-130		%Rec	1	8/4/2021 9:49:13 AM	61689
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/2/2021 10:05:06 PM	61685
Surr: BFB	113	70-130		%Rec	1	8/2/2021 10:05:06 PM	61685
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	8/2/2021 10:05:06 PM	61685
Toluene	ND	0.050		mg/Kg	1	8/2/2021 10:05:06 PM	61685
Ethylbenzene	ND	0.050		mg/Kg	1	8/2/2021 10:05:06 PM	61685
Xylenes, Total	ND	0.10		mg/Kg	1	8/2/2021 10:05:06 PM	61685
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	8/2/2021 10:05:06 PM	61685

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

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

## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A-11/0'

Project: McCullar Property

Collection Date: 7/28/2021 1:51:00 PM

Lab ID: 2107F50-041

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	350	60		mg/Kg	20	8/4/2021 10:00:14 AM	61765
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	8/9/2021 7:06:55 PM	61819
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/9/2021 7:06:55 PM	61819
Surr: DNOP	88.6	70-130		%Rec	1	8/9/2021 7:06:55 PM	61819
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	9.8		mg/Kg	2	8/2/2021 10:28:34 PM	61685
Surr: BFB	113	70-130		%Rec	2	8/2/2021 10:28:34 PM	61685
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.049		mg/Kg	2	8/2/2021 10:28:34 PM	61685
Toluene	ND	0.098		mg/Kg	2	8/2/2021 10:28:34 PM	61685
Ethylbenzene	ND	0.098		mg/Kg	2	8/2/2021 10:28:34 PM	61685
Xylenes, Total	ND	0.20		mg/Kg	2	8/2/2021 10:28:34 PM	61685
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	2	8/2/2021 10:28:34 PM	61685

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

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

## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A-11/1'

Project: McCullar Property

Collection Date: 7/28/2021 2:02:00 PM

Lab ID: 2107F50-042

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	480	60		mg/Kg	20	8/4/2021 10:12:39 AM	61765
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	8/5/2021 6:14:36 AM	61687
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/5/2021 6:14:36 AM	61687
Surr: DNOP	95.6	70-130		%Rec	1	8/5/2021 6:14:36 AM	61687
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	8/2/2021 10:52:03 PM	61685
Surr: BFB	112	70-130		%Rec	1	8/2/2021 10:52:03 PM	61685
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.023		mg/Kg	1	8/2/2021 10:52:03 PM	61685
Toluene	ND	0.046		mg/Kg	1	8/2/2021 10:52:03 PM	61685
Ethylbenzene	ND	0.046		mg/Kg	1	8/2/2021 10:52:03 PM	61685
Xylenes, Total	ND	0.093		mg/Kg	1	8/2/2021 10:52:03 PM	61685
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	8/2/2021 10:52:03 PM	61685

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

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

Page 42 of 81

## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A-11/2'

Project: McCullar Property

Collection Date: 7/28/2021 2:10:00 PM

Lab ID: 2107F50-043

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	310	60		mg/Kg	20	8/4/2021 10:25:03 AM	61765
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	8/4/2021 1:55:26 AM	61687
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/4/2021 1:55:26 AM	61687
Surr: DNOP	86.9	70-130		%Rec	1	8/4/2021 1:55:26 AM	61687
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/2/2021 11:15:40 PM	61685
Surr: BFB	113	70-130		%Rec	1	8/2/2021 11:15:40 PM	61685
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	8/2/2021 11:15:40 PM	61685
Toluene	ND	0.047		mg/Kg	1	8/2/2021 11:15:40 PM	61685
Ethylbenzene	ND	0.047		mg/Kg	1	8/2/2021 11:15:40 PM	61685
Xylenes, Total	ND	0.095		mg/Kg	1	8/2/2021 11:15:40 PM	61685
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	8/2/2021 11:15:40 PM	61685

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

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

Page 43 of 81

## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A-11/3'

Project: McCullar Property

Collection Date: 7/28/2021 2:18:00 PM

Lab ID: 2107F50-044

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	320	60		mg/Kg	20	8/4/2021 10:37:28 AM	61765
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	8/3/2021 6:33:09 PM	61691
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/3/2021 6:33:09 PM	61691
Surr: DNOP	73.7	70-130		%Rec	1	8/3/2021 6:33:09 PM	61691
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/2/2021 11:14:00 AM	61686
Surr: BFB	97.7	70-130		%Rec	1	8/2/2021 11:14:00 AM	61686
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	8/2/2021 11:14:00 AM	61686
Toluene	ND	0.049		mg/Kg	1	8/2/2021 11:14:00 AM	61686
Ethylbenzene	ND	0.049		mg/Kg	1	8/2/2021 11:14:00 AM	61686
Xylenes, Total	ND	0.099		mg/Kg	1	8/2/2021 11:14:00 AM	61686
Surr: 4-Bromofluorobenzene	87.8	70-130		%Rec	1	8/2/2021 11:14:00 AM	61686

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

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



## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A-11/4'

Project: McCullar Property

Collection Date: 7/28/2021 2:29:00 PM

Lab ID: 2107F50-045

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	260	60		mg/Kg	20	8/4/2021 10:49:52 AM	61765
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	8/3/2021 7:46:36 PM	61691
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/3/2021 7:46:36 PM	61691
Surr: DNOP	75.2	70-130		%Rec	1	8/3/2021 7:46:36 PM	61691
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/2/2021 12:14:00 PM	61686
Surr: BFB	100	70-130		%Rec	1	8/2/2021 12:14:00 PM	61686
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	8/2/2021 12:14:00 PM	61686
Toluene	ND	0.049		mg/Kg	1	8/2/2021 12:14:00 PM	61686
Ethylbenzene	ND	0.049		mg/Kg	1	8/2/2021 12:14:00 PM	61686
Xylenes, Total	ND	0.098		mg/Kg	1	8/2/2021 12:14:00 PM	61686
Surr: 4-Bromofluorobenzene	86.4	70-130		%Rec	1	8/2/2021 12:14:00 PM	61686

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

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

Page 45 of 81

## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A-12/0'

Project: McCullar Property

Collection Date: 7/28/2021 2:38:00 PM

Lab ID: 2107F50-046

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	280	60		mg/Kg	20	8/4/2021 11:02:16 AM	61765
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	8/5/2021 11:41:45 PM	61691
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/5/2021 11:41:45 PM	61691
Surr: DNOP	103	70-130		%Rec	1	8/5/2021 11:41:45 PM	61691
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/2/2021 1:14:00 PM	61686
Surr: BFB	104	70-130		%Rec	1	8/2/2021 1:14:00 PM	61686
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	8/2/2021 1:14:00 PM	61686
Toluene	ND	0.048		mg/Kg	1	8/2/2021 1:14:00 PM	61686
Ethylbenzene	ND	0.048		mg/Kg	1	8/2/2021 1:14:00 PM	61686
Xylenes, Total	ND	0.096		mg/Kg	1	8/2/2021 1:14:00 PM	61686
Surr: 4-Bromofluorobenzene	88.0	70-130		%Rec	1	8/2/2021 1:14:00 PM	61686

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

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

Page 46 of 81

## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A-12/1'

Project: McCullar Property

Collection Date: 7/28/2021 2:46:00 PM

Lab ID: 2107F50-047

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	360	60		mg/Kg	20	8/4/2021 11:14:40 AM	61765
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	8/3/2021 8:35:22 PM	61691
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/3/2021 8:35:22 PM	61691
Surr: DNOP	79.9	70-130		%Rec	1	8/3/2021 8:35:22 PM	61691
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/2/2021 1:34:00 PM	61686
Surr: BFB	100	70-130		%Rec	1	8/2/2021 1:34:00 PM	61686
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	8/2/2021 1:34:00 PM	61686
Toluene	ND	0.049		mg/Kg	1	8/2/2021 1:34:00 PM	61686
Ethylbenzene	ND	0.049		mg/Kg	1	8/2/2021 1:34:00 PM	61686
Xylenes, Total	ND	0.099		mg/Kg	1	8/2/2021 1:34:00 PM	61686
Surr: 4-Bromofluorobenzene	89.1	70-130		%Rec	1	8/2/2021 1:34:00 PM	61686

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

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

Page 47 of 81

## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A-12/2'

Project: McCullar Property

Collection Date: 7/28/2021 2:58:00 PM

Lab ID: 2107F50-048

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	360	60		mg/Kg	20	8/4/2021 11:27:05 AM	61765
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	8/3/2021 8:59:33 PM	61691
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/3/2021 8:59:33 PM	61691
Surr: DNOP	78.4	70-130		%Rec	1	8/3/2021 8:59:33 PM	61691
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/2/2021 1:54:00 PM	61686
Surr: BFB	99.6	70-130		%Rec	1	8/2/2021 1:54:00 PM	61686
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	8/2/2021 1:54:00 PM	61686
Toluene	ND	0.049		mg/Kg	1	8/2/2021 1:54:00 PM	61686
Ethylbenzene	ND	0.049		mg/Kg	1	8/2/2021 1:54:00 PM	61686
Xylenes, Total	ND	0.098		mg/Kg	1	8/2/2021 1:54:00 PM	61686
Surr: 4-Bromofluorobenzene	89.6	70-130		%Rec	1	8/2/2021 1:54:00 PM	61686

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

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

Page 48 of 81

## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A-12/3'

Project: McCullar Property

Collection Date: 7/28/2021 3:04:00 PM

Lab ID: 2107F50-049

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	380	60		mg/Kg	20	8/4/2021 11:39:29 AM	61765
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	8/3/2021 9:23:52 PM	61691
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	8/3/2021 9:23:52 PM	61691
Surr: DNOP	80.2	70-130		%Rec	1	8/3/2021 9:23:52 PM	61691
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/2/2021 2:14:00 PM	61686
Surr: BFB	107	70-130		%Rec	1	8/2/2021 2:14:00 PM	61686
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	8/2/2021 2:14:00 PM	61686
Toluene	ND	0.050		mg/Kg	1	8/2/2021 2:14:00 PM	61686
Ethylbenzene	ND	0.050		mg/Kg	1	8/2/2021 2:14:00 PM	61686
Xylenes, Total	ND	0.10		mg/Kg	1	8/2/2021 2:14:00 PM	61686
Surr: 4-Bromofluorobenzene	91.4	70-130		%Rec	1	8/2/2021 2:14:00 PM	61686

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

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



## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A-12/4'

Project: McCullar Property

Collection Date: 7/28/2021 3:15:00 PM

Lab ID: 2107F50-050

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	360	60		mg/Kg	20	8/4/2021 11:51:53 AM	61765
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	8/3/2021 9:48:03 PM	61691
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/3/2021 9:48:03 PM	61691
Surr: DNOP	76.9	70-130		%Rec	1	8/3/2021 9:48:03 PM	61691
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/2/2021 2:34:00 PM	61686
Surr: BFB	106	70-130		%Rec	1	8/2/2021 2:34:00 PM	61686
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	8/2/2021 2:34:00 PM	61686
Toluene	ND	0.050		mg/Kg	1	8/2/2021 2:34:00 PM	61686
Ethylbenzene	ND	0.050		mg/Kg	1	8/2/2021 2:34:00 PM	61686
Xylenes, Total	ND	0.10		mg/Kg	1	8/2/2021 2:34:00 PM	61686
Surr: 4-Bromofluorobenzene	91.5	70-130		%Rec	1	8/2/2021 2:34:00 PM	61686

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

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

Page 50 of 81

## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A-13/0'

Project: McCullar Property

Collection Date: 7/28/2021 3:25:00 PM

Lab ID: 2107F50-051

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	510	60		mg/Kg	20	8/4/2021 12:29:07 PM	61765
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	8/3/2021 10:12:26 PM	61691
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/3/2021 10:12:26 PM	61691
Surr: DNOP	92.0	70-130		%Rec	1	8/3/2021 10:12:26 PM	61691
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/2/2021 2:54:00 PM	61686
Surr: BFB	106	70-130		%Rec	1	8/2/2021 2:54:00 PM	61686
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	8/2/2021 2:54:00 PM	61686
Toluene	ND	0.048		mg/Kg	1	8/2/2021 2:54:00 PM	61686
Ethylbenzene	ND	0.048		mg/Kg	1	8/2/2021 2:54:00 PM	61686
Xylenes, Total	ND	0.096		mg/Kg	1	8/2/2021 2:54:00 PM	61686
Surr: 4-Bromofluorobenzene	92.2	70-130		%Rec	1	8/2/2021 2:54:00 PM	61686

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

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

## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A-13/1'

Project: McCullar Property

Collection Date: 7/28/2021 3:32:00 PM

Lab ID: 2107F50-052

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	460	60		mg/Kg	20	8/4/2021 12:41:31 PM	61765
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	8/3/2021 10:36:37 PM	61691
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	8/3/2021 10:36:37 PM	61691
Surr: DNOP	94.9	70-130		%Rec	1	8/3/2021 10:36:37 PM	61691
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/2/2021 3:14:00 PM	61686
Surr: BFB	107	70-130		%Rec	1	8/2/2021 3:14:00 PM	61686
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	8/2/2021 3:14:00 PM	61686
Toluene	ND	0.050		mg/Kg	1	8/2/2021 3:14:00 PM	61686
Ethylbenzene	ND	0.050		mg/Kg	1	8/2/2021 3:14:00 PM	61686
Xylenes, Total	ND	0.099		mg/Kg	1	8/2/2021 3:14:00 PM	61686
Surr: 4-Bromofluorobenzene	91.9	70-130		%Rec	1	8/2/2021 3:14:00 PM	61686

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

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

## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A-13/2'

Project: McCullar Property

Collection Date: 7/28/2021 3:43:00 PM

Lab ID: 2107F50-053

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	920	60		mg/Kg	20	8/4/2021 12:53:56 PM	61765
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	8/3/2021 11:01:03 PM	61691
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/3/2021 11:01:03 PM	61691
Surr: DNOP	82.6	70-130		%Rec	1	8/3/2021 11:01:03 PM	61691
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/2/2021 4:13:00 PM	61686
Surr: BFB	99.4	70-130		%Rec	1	8/2/2021 4:13:00 PM	61686
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	8/2/2021 4:13:00 PM	61686
Toluene	ND	0.050		mg/Kg	1	8/2/2021 4:13:00 PM	61686
Ethylbenzene	ND	0.050		mg/Kg	1	8/2/2021 4:13:00 PM	61686
Xylenes, Total	ND	0.099		mg/Kg	1	8/2/2021 4:13:00 PM	61686
Surr: 4-Bromofluorobenzene	89.2	70-130		%Rec	1	8/2/2021 4:13:00 PM	61686

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

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

## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A-13/3'

Project: McCullar Property

Collection Date: 7/28/2021 3:50:00 PM

Lab ID: 2107F50-054

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	780	60		mg/Kg	20	8/4/2021 1:06:20 PM	61765
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	8/3/2021 11:25:17 PM	61691
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	8/3/2021 11:25:17 PM	61691
Surr: DNOP	82.6	70-130		%Rec	1	8/3/2021 11:25:17 PM	61691
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/2/2021 4:33:00 PM	61686
Surr: BFB	98.6	70-130		%Rec	1	8/2/2021 4:33:00 PM	61686
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	8/2/2021 4:33:00 PM	61686
Toluene	ND	0.050		mg/Kg	1	8/2/2021 4:33:00 PM	61686
Ethylbenzene	ND	0.050		mg/Kg	1	8/2/2021 4:33:00 PM	61686
Xylenes, Total	ND	0.10		mg/Kg	1	8/2/2021 4:33:00 PM	61686
Surr: 4-Bromofluorobenzene	86.4	70-130		%Rec	1	8/2/2021 4:33:00 PM	61686

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

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



## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A-13/4'

Project: McCullar Property

Collection Date: 7/28/2021 4:00:00 PM

Lab ID: 2107F50-055

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	630	60		mg/Kg	20	8/4/2021 1:18:45 PM	61765
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	8/3/2021 11:49:40 PM	61691
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	8/3/2021 11:49:40 PM	61691
Surr: DNOP	79.9	70-130		%Rec	1	8/3/2021 11:49:40 PM	61691
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/2/2021 4:53:00 PM	61686
Surr: BFB	99.4	70-130		%Rec	1	8/2/2021 4:53:00 PM	61686
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	8/2/2021 4:53:00 PM	61686
Toluene	ND	0.049		mg/Kg	1	8/2/2021 4:53:00 PM	61686
Ethylbenzene	ND	0.049		mg/Kg	1	8/2/2021 4:53:00 PM	61686
Xylenes, Total	ND	0.099		mg/Kg	1	8/2/2021 4:53:00 PM	61686
Surr: 4-Bromofluorobenzene	86.8	70-130		%Rec	1	8/2/2021 4:53:00 PM	61686

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

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

## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-1/0'

Project: McCullar Property

Collection Date: 7/28/2021 4:18:00 PM

Lab ID: 2107F50-056

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	200	60		mg/Kg	20	8/4/2021 1:31:09 PM	61765
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	8/4/2021 12:13:56 AM	61691
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/4/2021 12:13:56 AM	61691
Surr: DNOP	80.0	70-130		%Rec	1	8/4/2021 12:13:56 AM	61691
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/2/2021 5:13:00 PM	61686
Surr: BFB	98.1	70-130		%Rec	1	8/2/2021 5:13:00 PM	61686
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	8/2/2021 5:13:00 PM	61686
Toluene	ND	0.050		mg/Kg	1	8/2/2021 5:13:00 PM	61686
Ethylbenzene	ND	0.050		mg/Kg	1	8/2/2021 5:13:00 PM	61686
Xylenes, Total	ND	0.10		mg/Kg	1	8/2/2021 5:13:00 PM	61686
Surr: 4-Bromofluorobenzene	85.9	70-130		%Rec	1	8/2/2021 5:13:00 PM	61686

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

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

Page 56 of 81

## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-1/1'

Project: McCullar Property

Collection Date: 7/28/2021 4:26:00 PM

Lab ID: 2107F50-057

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	120	60		mg/Kg	20	8/4/2021 8:45:24 PM	61769
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	8/4/2021 12:38:40 AM	61691
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/4/2021 12:38:40 AM	61691
Surr: DNOP	85.4	70-130		%Rec	1	8/4/2021 12:38:40 AM	61691
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/2/2021 5:33:00 PM	61686
Surr: BFB	93.4	70-130		%Rec	1	8/2/2021 5:33:00 PM	61686
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	8/2/2021 5:33:00 PM	61686
Toluene	ND	0.048		mg/Kg	1	8/2/2021 5:33:00 PM	61686
Ethylbenzene	ND	0.048		mg/Kg	1	8/2/2021 5:33:00 PM	61686
Xylenes, Total	ND	0.097		mg/Kg	1	8/2/2021 5:33:00 PM	61686
Surr: 4-Bromofluorobenzene	84.4	70-130		%Rec	1	8/2/2021 5:33:00 PM	61686

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

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

Page 57 of 81

## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-1/2'

Project: McCullar Property

Collection Date: 7/28/2021 4:33:00 PM

Lab ID: 2107F50-058

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	100	60		mg/Kg	20	8/4/2021 8:57:48 PM	61769
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	8/4/2021 1:02:54 AM	61691
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/4/2021 1:02:54 AM	61691
Surr: DNOP	75.1	70-130		%Rec	1	8/4/2021 1:02:54 AM	61691
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/2/2021 5:53:00 PM	61686
Surr: BFB	100	70-130		%Rec	1	8/2/2021 5:53:00 PM	61686
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	8/2/2021 5:53:00 PM	61686
Toluene	ND	0.049		mg/Kg	1	8/2/2021 5:53:00 PM	61686
Ethylbenzene	ND	0.049		mg/Kg	1	8/2/2021 5:53:00 PM	61686
Xylenes, Total	ND	0.098		mg/Kg	1	8/2/2021 5:53:00 PM	61686
Surr: 4-Bromofluorobenzene	85.4	70-130		%Rec	1	8/2/2021 5:53:00 PM	61686

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

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

Page 58 of 81

## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-1/3'

Project: McCullar Property

Collection Date: 7/28/2021 4:38:00 PM

Lab ID: 2107F50-059

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	76	60		mg/Kg	20	8/4/2021 9:10:12 PM	61769
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	8/4/2021 1:27:14 AM	61691
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	8/4/2021 1:27:14 AM	61691
Surr: DNOP	71.9	70-130		%Rec	1	8/4/2021 1:27:14 AM	61691
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/2/2021 6:14:00 PM	61686
Surr: BFB	97.2	70-130		%Rec	1	8/2/2021 6:14:00 PM	61686
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	8/2/2021 6:14:00 PM	61686
Toluene	ND	0.049		mg/Kg	1	8/2/2021 6:14:00 PM	61686
Ethylbenzene	ND	0.049		mg/Kg	1	8/2/2021 6:14:00 PM	61686
Xylenes, Total	ND	0.098		mg/Kg	1	8/2/2021 6:14:00 PM	61686
Surr: 4-Bromofluorobenzene	85.1	70-130		%Rec	1	8/2/2021 6:14:00 PM	61686

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

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



## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-1/4'

Project: McCullar Property

Collection Date: 7/28/2021 4:43:00 PM

Lab ID: 2107F50-060

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	100	60		mg/Kg	20	8/4/2021 9:22:36 PM	61769
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	8/4/2021 1:51:28 AM	61691
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/4/2021 1:51:28 AM	61691
Surr: DNOP	67.5	70-130	S	%Rec	1	8/4/2021 1:51:28 AM	61691
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/2/2021 6:34:00 PM	61686
Surr: BFB	108	70-130		%Rec	1	8/2/2021 6:34:00 PM	61686
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	8/2/2021 6:34:00 PM	61686
Toluene	ND	0.048		mg/Kg	1	8/2/2021 6:34:00 PM	61686
Ethylbenzene	ND	0.048		mg/Kg	1	8/2/2021 6:34:00 PM	61686
Xylenes, Total	ND	0.097		mg/Kg	1	8/2/2021 6:34:00 PM	61686
Surr: 4-Bromofluorobenzene	86.7	70-130		%Rec	1	8/2/2021 6:34:00 PM	61686

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

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

Page 60 of 81

## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-2/0'

Project: McCullar Property

Collection Date: 7/28/2021 4:47:00 PM

Lab ID: 2107F50-061

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	1600	60		mg/Kg	20	8/4/2021 9:35:00 PM	61769
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	8/4/2021 2:15:47 AM	61691
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/4/2021 2:15:47 AM	61691
Surr: DNOP	67.3	70-130	S	%Rec	1	8/4/2021 2:15:47 AM	61691
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/2/2021 6:54:00 PM	61686
Surr: BFB	99.9	70-130		%Rec	1	8/2/2021 6:54:00 PM	61686
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	8/2/2021 6:54:00 PM	61686
Toluene	ND	0.049		mg/Kg	1	8/2/2021 6:54:00 PM	61686
Ethylbenzene	ND	0.049		mg/Kg	1	8/2/2021 6:54:00 PM	61686
Xylenes, Total	ND	0.098		mg/Kg	1	8/2/2021 6:54:00 PM	61686
Surr: 4-Bromofluorobenzene	86.2	70-130		%Rec	1	8/2/2021 6:54:00 PM	61686

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

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

Page 61 of 81

## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-2/1'

Project: McCullar Property

Collection Date: 7/28/2021 4:53:00 PM

Lab ID: 2107F50-062

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	420	60		mg/Kg	20	8/4/2021 9:47:25 PM	61769
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	8/4/2021 2:39:58 AM	61691
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	8/4/2021 2:39:58 AM	61691
Surr: DNOP	81.0	70-130		%Rec	1	8/4/2021 2:39:58 AM	61691
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/2/2021 7:14:00 PM	61686
Surr: BFB	95.7	70-130		%Rec	1	8/2/2021 7:14:00 PM	61686
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	8/2/2021 7:14:00 PM	61686
Toluene	ND	0.049		mg/Kg	1	8/2/2021 7:14:00 PM	61686
Ethylbenzene	ND	0.049		mg/Kg	1	8/2/2021 7:14:00 PM	61686
Xylenes, Total	ND	0.098		mg/Kg	1	8/2/2021 7:14:00 PM	61686
Surr: 4-Bromofluorobenzene	84.6	70-130		%Rec	1	8/2/2021 7:14:00 PM	61686

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

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

Page 62 of 81

## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-2/2'

Project: McCullar Property

Collection Date: 7/28/2021 4:57:00 PM

Lab ID: 2107F50-063

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	290	60		mg/Kg	20	8/4/2021 10:24:38 PM	61769
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	8/4/2021 3:04:21 AM	61691
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/4/2021 3:04:21 AM	61691
Surr: DNOP	60.9	70-130	S	%Rec	1	8/4/2021 3:04:21 AM	61691
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/2/2021 8:14:00 PM	61686
Surr: BFB	96.6	70-130		%Rec	1	8/2/2021 8:14:00 PM	61686
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	8/2/2021 8:14:00 PM	61686
Toluene	ND	0.049		mg/Kg	1	8/2/2021 8:14:00 PM	61686
Ethylbenzene	ND	0.049		mg/Kg	1	8/2/2021 8:14:00 PM	61686
Xylenes, Total	ND	0.099		mg/Kg	1	8/2/2021 8:14:00 PM	61686
Surr: 4-Bromofluorobenzene	85.4	70-130		%Rec	1	8/2/2021 8:14:00 PM	61686

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

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

Page 63 of 81

## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-2/3'

Project: McCullar Property

Collection Date: 7/28/2021 5:03:00 PM

Lab ID: 2107F50-064

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	240	61		mg/Kg	20	8/4/2021 10:37:02 PM	61769
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	8/2/2021 10:41:43 PM	61692
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/2/2021 10:41:43 PM	61692
Surr: DNOP	84.8	70-130		%Rec	1	8/2/2021 10:41:43 PM	61692
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/2/2021 9:34:00 PM	61690
Surr: BFB	96.6	70-130		%Rec	1	8/2/2021 9:34:00 PM	61690
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	8/2/2021 9:34:00 PM	61690
Toluene	ND	0.049		mg/Kg	1	8/2/2021 9:34:00 PM	61690
Ethylbenzene	ND	0.049		mg/Kg	1	8/2/2021 9:34:00 PM	61690
Xylenes, Total	ND	0.098		mg/Kg	1	8/2/2021 9:34:00 PM	61690
Surr: 4-Bromofluorobenzene	85.7	70-130		%Rec	1	8/2/2021 9:34:00 PM	61690

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

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

Page 64 of 81



## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-2/4'

Project: McCullar Property

Collection Date: 7/28/2021 5:07:00 PM

Lab ID: 2107F50-065

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	220	60		mg/Kg	20	8/4/2021 10:49:27 PM	61769
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	8/2/2021 11:54:49 PM	61692
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/2/2021 11:54:49 PM	61692
Surr: DNOP	87.2	70-130		%Rec	1	8/2/2021 11:54:49 PM	61692
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/2/2021 10:33:00 PM	61690
Surr: BFB	102	70-130		%Rec	1	8/2/2021 10:33:00 PM	61690
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	8/2/2021 10:33:00 PM	61690
Toluene	ND	0.049		mg/Kg	1	8/2/2021 10:33:00 PM	61690
Ethylbenzene	ND	0.049		mg/Kg	1	8/2/2021 10:33:00 PM	61690
Xylenes, Total	ND	0.097		mg/Kg	1	8/2/2021 10:33:00 PM	61690
Surr: 4-Bromofluorobenzene	87.5	70-130		%Rec	1	8/2/2021 10:33:00 PM	61690

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

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

## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-3/0'

Project: McCullar Property

Collection Date: 7/28/2021 5:12:00 PM

Lab ID: 2107F50-066

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	6400	300		mg/Kg	100	8/5/2021 9:12:16 PM	61769
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	8/3/2021 9:10:17 PM	61692
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/3/2021 9:10:17 PM	61692
Surr: DNOP	94.2	70-130		%Rec	1	8/3/2021 9:10:17 PM	61692
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/2/2021 11:33:00 PM	61690
Surr: BFB	103	70-130		%Rec	1	8/2/2021 11:33:00 PM	61690
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	8/2/2021 11:33:00 PM	61690
Toluene	ND	0.048		mg/Kg	1	8/2/2021 11:33:00 PM	61690
Ethylbenzene	ND	0.048		mg/Kg	1	8/2/2021 11:33:00 PM	61690
Xylenes, Total	ND	0.097		mg/Kg	1	8/2/2021 11:33:00 PM	61690
Surr: 4-Bromofluorobenzene	91.7	70-130		%Rec	1	8/2/2021 11:33:00 PM	61690

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

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

Page 66 of 81

## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-3/1'

Project: McCullar Property

Collection Date: 7/28/2021 5:18:00 PM

Lab ID: 2107F50-067

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	1500	60		mg/Kg	20	8/4/2021 11:14:15 PM	61769
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	8/3/2021 12:43:22 AM	61692
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/3/2021 12:43:22 AM	61692
Surr: DNOP	85.9	70-130		%Rec	1	8/3/2021 12:43:22 AM	61692
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/2/2021 11:53:00 PM	61690
Surr: BFB	103	70-130		%Rec	1	8/2/2021 11:53:00 PM	61690
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	8/2/2021 11:53:00 PM	61690
Toluene	ND	0.049		mg/Kg	1	8/2/2021 11:53:00 PM	61690
Ethylbenzene	ND	0.049		mg/Kg	1	8/2/2021 11:53:00 PM	61690
Xylenes, Total	ND	0.098		mg/Kg	1	8/2/2021 11:53:00 PM	61690
Surr: 4-Bromofluorobenzene	92.0	70-130		%Rec	1	8/2/2021 11:53:00 PM	61690

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

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

Page 67 of 81

## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-3/2'

Project: McCullar Property

Collection Date: 7/28/2021 5:25:00 PM

Lab ID: 2107F50-068

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	340	60		mg/Kg	20	8/4/2021 11:26:40 PM	61769
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	8/3/2021 1:07:43 AM	61692
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	8/3/2021 1:07:43 AM	61692
Surr: DNOP	79.2	70-130		%Rec	1	8/3/2021 1:07:43 AM	61692
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/3/2021 12:13:00 AM	61690
Surr: BFB	106	70-130		%Rec	1	8/3/2021 12:13:00 AM	61690
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	8/3/2021 12:13:00 AM	61690
Toluene	ND	0.050		mg/Kg	1	8/3/2021 12:13:00 AM	61690
Ethylbenzene	ND	0.050		mg/Kg	1	8/3/2021 12:13:00 AM	61690
Xylenes, Total	ND	0.099		mg/Kg	1	8/3/2021 12:13:00 AM	61690
Surr: 4-Bromofluorobenzene	93.8	70-130		%Rec	1	8/3/2021 12:13:00 AM	61690

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

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

Page 68 of 81

## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-3/3'

Project: McCullar Property

Collection Date: 7/28/2021 5:30:00 PM

Lab ID: 2107F50-069

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	400	60		mg/Kg	20	8/4/2021 11:39:04 PM	61769
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	8/3/2021 1:31:54 AM	61692
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/3/2021 1:31:54 AM	61692
Surr: DNOP	83.4	70-130		%Rec	1	8/3/2021 1:31:54 AM	61692
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/3/2021 12:33:00 AM	61690
Surr: BFB	107	70-130		%Rec	1	8/3/2021 12:33:00 AM	61690
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	8/3/2021 12:33:00 AM	61690
Toluene	ND	0.049		mg/Kg	1	8/3/2021 12:33:00 AM	61690
Ethylbenzene	ND	0.049		mg/Kg	1	8/3/2021 12:33:00 AM	61690
Xylenes, Total	ND	0.099		mg/Kg	1	8/3/2021 12:33:00 AM	61690
Surr: 4-Bromofluorobenzene	94.0	70-130		%Rec	1	8/3/2021 12:33:00 AM	61690

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

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

Page 69 of 81

## Analytical Report

Lab Order 2107F50

Date Reported: 8/11/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-3/4'

Project: McCullar Property

Collection Date: 7/28/2021 5:35:00 PM

Lab ID: 2107F50-070

Matrix: SOIL

Received Date: 7/30/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	410	60		mg/Kg	20	8/4/2021 11:51:28 PM	61769
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	8/3/2021 1:56:15 AM	61692
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/3/2021 1:56:15 AM	61692
Surr: DNOP	91.0	70-130		%Rec	1	8/3/2021 1:56:15 AM	61692
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/3/2021 12:53:00 AM	61690
Surr: BFB	107	70-130		%Rec	1	8/3/2021 12:53:00 AM	61690
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	8/3/2021 12:53:00 AM	61690
Toluene	ND	0.050		mg/Kg	1	8/3/2021 12:53:00 AM	61690
Ethylbenzene	ND	0.050		mg/Kg	1	8/3/2021 12:53:00 AM	61690
Xylenes, Total	ND	0.099		mg/Kg	1	8/3/2021 12:53:00 AM	61690
Surr: 4-Bromofluorobenzene	96.5	70-130		%Rec	1	8/3/2021 12:53:00 AM	61690

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

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

Page 70 of 81



**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2107F50

11-Aug-21

**Client:** EOG  
**Project:** McCullar Property

Sample ID: <b>MB-61743</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>61743</b>	RunNo: <b>80283</b>								
Prep Date: <b>8/3/2021</b>	Analysis Date: <b>8/3/2021</b>	SeqNo: <b>2828305</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-61743</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>61743</b>	RunNo: <b>80283</b>								
Prep Date: <b>8/3/2021</b>	Analysis Date: <b>8/3/2021</b>	SeqNo: <b>2828306</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.2	90	110			

Sample ID: <b>MB-61751</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>61751</b>	RunNo: <b>80283</b>								
Prep Date: <b>8/3/2021</b>	Analysis Date: <b>8/4/2021</b>	SeqNo: <b>2828337</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-61751</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>61751</b>	RunNo: <b>80283</b>								
Prep Date: <b>8/3/2021</b>	Analysis Date: <b>8/4/2021</b>	SeqNo: <b>2828338</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	99.8	90	110			

Sample ID: <b>MB-61765</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>61765</b>	RunNo: <b>80305</b>								
Prep Date: <b>8/4/2021</b>	Analysis Date: <b>8/4/2021</b>	SeqNo: <b>2829465</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-61765</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>61765</b>	RunNo: <b>80305</b>								
Prep Date: <b>8/4/2021</b>	Analysis Date: <b>8/4/2021</b>	SeqNo: <b>2829466</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.4	90	110			

**Qualifiers:**

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

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

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2107F50

11-Aug-21

**Client:** EOG  
**Project:** McCullar Property

Sample ID: <b>MB-61769</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>61769</b>	RunNo: <b>80305</b>								
Prep Date: <b>8/4/2021</b>	Analysis Date: <b>8/4/2021</b>	SeqNo: <b>2829527</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-61769</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>61769</b>	RunNo: <b>80305</b>								
Prep Date: <b>8/4/2021</b>	Analysis Date: <b>8/4/2021</b>	SeqNo: <b>2829528</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	96.9	90	110			

Sample ID: <b>MB-61751</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>61751</b>	RunNo: <b>80323</b>								
Prep Date: <b>8/3/2021</b>	Analysis Date: <b>8/5/2021</b>	SeqNo: <b>2831106</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-61751</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>61751</b>	RunNo: <b>80323</b>								
Prep Date: <b>8/3/2021</b>	Analysis Date: <b>8/5/2021</b>	SeqNo: <b>2831108</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.6	90	110			

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative 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 72 of 81

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2107F50

11-Aug-21

**Client:** EOG  
**Project:** McCullar Property

Sample ID: <b>MB-61687</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>61687</b>	RunNo: <b>80245</b>								
Prep Date: <b>7/31/2021</b>	Analysis Date: <b>8/2/2021</b>	SeqNo: <b>2827287</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.8		10.00		98.0	70	130			

Sample ID: <b>LCS-61687</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>61687</b>	RunNo: <b>80245</b>								
Prep Date: <b>7/31/2021</b>	Analysis Date: <b>8/2/2021</b>	SeqNo: <b>2827288</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	93.9	68.9	141			
Surr: DNOP	4.6		5.000		92.3	70	130			

Sample ID: <b>LCS-61688</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>61688</b>	RunNo: <b>80244</b>								
Prep Date: <b>7/31/2021</b>	Analysis Date: <b>8/3/2021</b>	SeqNo: <b>2827629</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	98.8	68.9	141			
Surr: DNOP	3.9		5.000		79.0	70	130			

Sample ID: <b>LCS-61692</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>61692</b>	RunNo: <b>80244</b>								
Prep Date: <b>7/31/2021</b>	Analysis Date: <b>8/2/2021</b>	SeqNo: <b>2827630</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	57	10	50.00	0	114	68.9	141			
Surr: DNOP	5.1		5.000		103	70	130			

Sample ID: <b>MB-61688</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>61688</b>	RunNo: <b>80244</b>								
Prep Date: <b>7/31/2021</b>	Analysis Date: <b>8/3/2021</b>	SeqNo: <b>2827631</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.4		10.00		84.4	70	130			

**Qualifiers:**

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

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

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2107F50

11-Aug-21

**Client:** EOG  
**Project:** McCullar Property

Sample ID: <b>MB-61692</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>61692</b>	RunNo: <b>80244</b>								
Prep Date: <b>7/31/2021</b>	Analysis Date: <b>8/2/2021</b>	SeqNo: <b>2827632</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.3		10.00		93.5	70	130			

Sample ID: <b>LCS-61691</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>61691</b>	RunNo: <b>80244</b>								
Prep Date: <b>7/31/2021</b>	Analysis Date: <b>8/3/2021</b>	SeqNo: <b>2828859</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	55	10	50.00	0	110	68.9	141			
Surr: DNOP	4.1		5.000		81.6	70	130			

Sample ID: <b>MB-61691</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>61691</b>	RunNo: <b>80244</b>								
Prep Date: <b>7/31/2021</b>	Analysis Date: <b>8/3/2021</b>	SeqNo: <b>2828860</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.2		10.00		92.2	70	130			

Sample ID: <b>MB-61689</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>61689</b>	RunNo: <b>80245</b>								
Prep Date: <b>7/31/2021</b>	Analysis Date: <b>8/3/2021</b>	SeqNo: <b>2828978</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	7.7		10.00		76.7	70	130			

Sample ID: <b>LCS-61689</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>61689</b>	RunNo: <b>80245</b>								
Prep Date: <b>7/31/2021</b>	Analysis Date: <b>8/4/2021</b>	SeqNo: <b>2828979</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	89.7	68.9	141			
Surr: DNOP	4.2		5.000		83.0	70	130			

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative 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 74 of 81

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2107F50

11-Aug-21

**Client:** EOG  
**Project:** McCullar Property

Sample ID: <b>MB-61819</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>61819</b>	RunNo: <b>80370</b>								
Prep Date: <b>8/6/2021</b>	Analysis Date: <b>8/6/2021</b>	SeqNo: <b>2833522</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	7.7		10.00		77.4	70	130			

Sample ID: <b>LCS-61819</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>61819</b>	RunNo: <b>80370</b>								
Prep Date: <b>8/6/2021</b>	Analysis Date: <b>8/6/2021</b>	SeqNo: <b>2833523</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	90.0	68.9	141			
Surr: DNOP	3.6		5.000		73.0	70	130			

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative 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 75 of 81

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2107F50

11-Aug-21

**Client:** EOG  
**Project:** McCullar Property

Sample ID: <b>lcs-61678</b>	SampType: <b>LCS</b>				TestCode: <b>EPA Method 8015D: Gasoline Range</b>					
Client ID: <b>LCSS</b>	Batch ID: <b>61678</b>				RunNo: <b>80225</b>					
Prep Date: <b>7/30/2021</b>	Analysis Date: <b>8/1/2021</b>				SeqNo: <b>2825457</b>	Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	25.00	0	111	78.6	131			
Surr: BFB	1200		1000		122	70	130			

Sample ID: <b>mb-61678</b>	SampType: <b>MBLK</b>				TestCode: <b>EPA Method 8015D: Gasoline Range</b>					
Client ID: <b>PBS</b>	Batch ID: <b>61678</b>				RunNo: <b>80225</b>					
Prep Date: <b>7/30/2021</b>	Analysis Date: <b>8/1/2021</b>				SeqNo: <b>2825459</b>	Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		112	70	130			

Sample ID: <b>lcs-61685</b>	SampType: <b>LCS</b>				TestCode: <b>EPA Method 8015D: Gasoline Range</b>					
Client ID: <b>LCSS</b>	Batch ID: <b>61685</b>				RunNo: <b>80253</b>					
Prep Date: <b>7/30/2021</b>	Analysis Date: <b>8/2/2021</b>				SeqNo: <b>2826870</b>	Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	29	5.0	25.00	0	115	78.6	131			
Surr: BFB	1300		1000		126	70	130			

Sample ID: <b>MB-61685</b>	SampType: <b>MBLK</b>				TestCode: <b>EPA Method 8015D: Gasoline Range</b>					
Client ID: <b>PBS</b>	Batch ID: <b>61685</b>				RunNo: <b>80253</b>					
Prep Date: <b>7/30/2021</b>	Analysis Date: <b>8/2/2021</b>				SeqNo: <b>2826871</b>	Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		114	70	130			

Sample ID: <b>mb-61686</b>	SampType: <b>MBLK</b>				TestCode: <b>EPA Method 8015D: Gasoline Range</b>					
Client ID: <b>PBS</b>	Batch ID: <b>61686</b>				RunNo: <b>80254</b>					
Prep Date: <b>7/31/2021</b>	Analysis Date: <b>8/2/2021</b>				SeqNo: <b>2827273</b>	Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	980		1000		98.2	70	130			

Sample ID: <b>mb-61690</b>	SampType: <b>MBLK</b>				TestCode: <b>EPA Method 8015D: Gasoline Range</b>					
Client ID: <b>PBS</b>	Batch ID: <b>61690</b>				RunNo: <b>80254</b>					
Prep Date: <b>7/31/2021</b>	Analysis Date: <b>8/2/2021</b>				SeqNo: <b>2827274</b>	Units: <b>mg/Kg</b>				
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 Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

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



**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2107F50

11-Aug-21

**Client:** EOG  
**Project:** McCullar Property

Sample ID: <b>mb-61690</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>61690</b>	RunNo: <b>80254</b>								
Prep Date: <b>7/31/2021</b>	Analysis Date: <b>8/2/2021</b>	SeqNo: <b>2827274</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	960		1000		95.8	70	130			

Sample ID: <b>lcs-61686</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>61686</b>	RunNo: <b>80254</b>								
Prep Date: <b>7/31/2021</b>	Analysis Date: <b>8/2/2021</b>	SeqNo: <b>2827275</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	25.00	0	114	78.6	131			
Surr: BFB	1200		1000		119	70	130			

Sample ID: <b>lcs-61690</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>61690</b>	RunNo: <b>80254</b>								
Prep Date: <b>7/31/2021</b>	Analysis Date: <b>8/2/2021</b>	SeqNo: <b>2827276</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	25.00	0	111	78.6	131			
Surr: BFB	1100		1000		107	70	130			

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative 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 77 of 81

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2107F50

11-Aug-21

**Client:** EOG  
**Project:** McCullar Property

Sample ID: <b>LCS-61678</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>61678</b>	RunNo: <b>80225</b>								
Prep Date: <b>7/30/2021</b>	Analysis Date: <b>8/1/2021</b>	SeqNo: <b>2825493</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	1.000	0	94.0	80	120			
Toluene	0.95	0.050	1.000	0	94.8	80	120			
Ethylbenzene	0.95	0.050	1.000	0	95.4	80	120			
Xylenes, Total	2.9	0.10	3.000	0	95.4	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		107	70	130			

Sample ID: <b>mb-61678</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>61678</b>	RunNo: <b>80225</b>								
Prep Date: <b>7/30/2021</b>	Analysis Date: <b>8/1/2021</b>	SeqNo: <b>2825495</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		105	70	130			

Sample ID: <b>LCS-61685</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>61685</b>	RunNo: <b>80253</b>								
Prep Date: <b>7/30/2021</b>	Analysis Date: <b>8/2/2021</b>	SeqNo: <b>2826901</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	1.000	0	95.7	80	120			
Toluene	0.97	0.050	1.000	0	96.6	80	120			
Ethylbenzene	0.97	0.050	1.000	0	96.7	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.2	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		108	70	130			

Sample ID: <b>MB-61685</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>61685</b>	RunNo: <b>80253</b>								
Prep Date: <b>7/30/2021</b>	Analysis Date: <b>8/2/2021</b>	SeqNo: <b>2826902</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		105	70	130			

**Qualifiers:**

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

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

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2107F50

11-Aug-21

**Client:** EOG  
**Project:** McCullar Property

Sample ID: <b>mb-61686</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>61686</b>	RunNo: <b>80254</b>								
Prep Date: <b>7/31/2021</b>	Analysis Date: <b>8/2/2021</b>	SeqNo: <b>2827363</b> Units: <b>mg/Kg</b>								
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	0.87		1.000		87.1	70	130			

Sample ID: <b>mb-61690</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>61690</b>	RunNo: <b>80254</b>								
Prep Date: <b>7/31/2021</b>	Analysis Date: <b>8/2/2021</b>	SeqNo: <b>2827364</b> Units: <b>mg/Kg</b>								
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	0.84		1.000		84.2	70	130			

Sample ID: <b>lcs-61686</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>61686</b>	RunNo: <b>80254</b>								
Prep Date: <b>7/31/2021</b>	Analysis Date: <b>8/2/2021</b>	SeqNo: <b>2827365</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.99	0.025	1.000	0	99.4	80	120			
Toluene	1.0	0.050	1.000	0	101	80	120			
Ethylbenzene	1.0	0.050	1.000	0	102	80	120			
Xylenes, Total	3.1	0.10	3.000	0	103	80	120			
Surr: 4-Bromofluorobenzene	0.88		1.000		88.2	70	130			

Sample ID: <b>lcs-61690</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>61690</b>	RunNo: <b>80254</b>								
Prep Date: <b>7/31/2021</b>	Analysis Date: <b>8/2/2021</b>	SeqNo: <b>2827366</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.025	1.000	0	96.8	80	120			
Toluene	0.98	0.050	1.000	0	97.5	80	120			
Ethylbenzene	0.99	0.050	1.000	0	98.7	80	120			
Xylenes, Total	3.0	0.10	3.000	0	99.1	80	120			
Surr: 4-Bromofluorobenzene	0.85		1.000		85.0	70	130			

**Qualifiers:**

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

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

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2107F50

11-Aug-21

**Client:** EOG  
**Project:** McCullar Property

Sample ID: <b>lcs-61676</b>	SampType: <b>LCS4</b>	TestCode: <b>EPA Method 8260B: Volatiles Short List</b>								
Client ID: <b>BatchQC</b>	Batch ID: <b>61676</b>	RunNo: <b>80239</b>								
Prep Date: <b>7/30/2021</b>	Analysis Date: <b>8/1/2021</b>	SeqNo: <b>2826297</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	100	80	120			
Toluene	0.99	0.050	1.000	0	98.5	80	120			
Ethylbenzene	0.99	0.050	1.000	0	99.3	80	120			
Xylenes, Total	3.0	0.10	3.000	0	98.7	80	120			
Surr: 1,2-Dichloroethane-d4	0.51		0.5000		102	70	130			
Surr: 4-Bromofluorobenzene	0.49		0.5000		98.0	70	130			
Surr: Dibromofluoromethane	0.49		0.5000		98.0	70	130			
Surr: Toluene-d8	0.50		0.5000		100	70	130			

Sample ID: <b>mb-61676</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8260B: Volatiles Short List</b>								
Client ID: <b>PBS</b>	Batch ID: <b>61676</b>	RunNo: <b>80239</b>								
Prep Date: <b>7/30/2021</b>	Analysis Date: <b>8/1/2021</b>	SeqNo: <b>2826298</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.48		0.5000		95.1	70	130			
Surr: 4-Bromofluorobenzene	0.50		0.5000		101	70	130			
Surr: Dibromofluoromethane	0.48		0.5000		96.5	70	130			
Surr: Toluene-d8	0.51		0.5000		101	70	130			

**Qualifiers:**

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

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

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2107F50

11-Aug-21

**Client:** EOG  
**Project:** McCullar Property

Sample ID: <b>lcs-61676</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D Mod: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>61676</b>		RunNo: <b>80239</b>							
Prep Date: <b>7/30/2021</b>	Analysis Date: <b>8/1/2021</b>		SeqNo: <b>2826329</b>		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	105	70	130			
Surr: BFB	490		500.0		97.3	70	130			

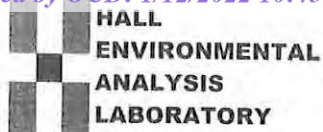
Sample ID: <b>mb-61676</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D Mod: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>61676</b>		RunNo: <b>80239</b>							
Prep Date: <b>7/30/2021</b>	Analysis Date: <b>8/1/2021</b>		SeqNo: <b>2826331</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	490		500.0		97.5	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 Quantitative 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 81 of 81



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

## Sample Log-In Check List

Client Name: EOG

Work Order Number: 2107F50

RcptNo: 1

Received By: Sean Livingston 7/30/2021 8:00:00 AM

Completed By: Sean Livingston 7/30/2021 8:59:11 AM

Reviewed By: KPG 7/30/21

San Lopez  
San Lopez

Chain of Custody

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

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐  
4. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☒ No ☐ NA ☐  
5. Sample(s) in proper container(s)? Yes ☒ No ☐  
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐  
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐  
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐  
9. Received at least 1 vial with headspace  $<1/4"$  for AQ VOA? Yes ☐ No ☐ NA ☒  
10. Were any sample containers received broken? Yes ☐ No ☒  
11. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody) Yes ☒ No ☐  
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐  
13. Is it clear what analyses were requested? Yes ☒ No ☐  
14. Were all holding times able to be met?  
(If no, notify customer for authorization.) Yes ☒ No ☐  
# of preserved bottles checked for pH:   
( $<2$  or  $>12$  unless noted)  
Adjusted?   
Checked by: TMC 7.30.21

Special Handling (if applicable)

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

Person Notified: \_\_\_\_\_

Date: \_\_\_\_\_

By Whom: \_\_\_\_\_

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: \_\_\_\_\_

Client Instructions: \_\_\_\_\_

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.5	Good				
2	4.3	Good				





# Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.

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

Ranger: PO Box 201179, Austin TX 78720

Phone #: 521-335-1785

email or Fax#: Will@RangerEnv.com

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☒ NELAC ☐ Other

☒ EDD (Type) ☐ Excel

Turn-Around Time:

☒ Standard ☐ Rush

Project Name: MULLAR PROPERTY

Project #: 5375

Project Manager: W. Kierdorf

Sampler: W. Kierdorf

On Ice: ☒ Yes ☐ No

# of Coolers: 2

Cooler Temp (including CF): 1.5 ± 0.5

Container Type and # 1 x 4oz Jar Preservative Type ICE HEAL No. 4.3 ± 0.3

Date Time Matrix Sample Name

7/28/21 0904 Soil A-3/2'

0912 A-3/3'

0919 A-3/4'

0926 A-4/0'

0933 A-4/1'

0941 A-4/2'

0948 A-4/3'

0956 A-4/4'

1012 A-7/0'

1020 A-7/1'

1027 A-7/2'

1034 A-7/3'

Date: 7/28/21 1102 Relinquished by: [Signature]

Date: 7/29/21 1900 Relinquished by: [Signature]

Received by: [Signature] Date: 7/29/21 1102

Received by: [Signature] Date: 7/30/21 8:00

Via: air

Via: air

Remarks: Bill to EOG Artesia



## HALL ENVIRONMENTAL ANALYSIS LABORATORY

[www.hallenvironmental.com](http://www.hallenvironmental.com)

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

## Analysis Request

<b>Chain-of-Custody Record</b>			
Client: EOG-Artesia / Ranger Env.			
Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210			
Ranger: PO Box 201179, Austin TX 78720			
Phone #: 521-335-1785			
email or Fax#: Will@RangerEnv.com			
QA/QC Package:			
<input checked="" type="checkbox"/> Standard <input type="checkbox"/> Level 4 (Full Validation)			
Accreditation: <input type="checkbox"/> Az Compliance			
<input checked="" type="checkbox"/> NELAC <input type="checkbox"/> Other _____			
<input checked="" type="checkbox"/> EDD (Type) _____ Excel _____			
Date	Time	Matrix	Sample Name
7/25/21	1041	SOIL	A-7/4'
	1051		A-8/0'
	1100		A-8/1'
	1110		A-8/2'
	1116		A-8/3'
	1123		A-8/4'
	1129		A-9/0'
	1137		A-9/1'
	1143		A-9/2'
	1151		A-9/3'
	1200		A-9/4'
	1315		A-10/0'
Date:	Time:	Relinquished by:	
7/29/21	1102	[Signature]	
Date:	Time:	Relinquished by:	
7/29/21	1900	G. Munn	

Turn-Around Time: <span style="float: right;">5 days</span>		
<input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush		
Project Name: McCULLAR PROPERTY		
Project #: 5375		
Project Manager: W. Kierdorf		
Sampler: W. KIERDORF		
On Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
# of Coolers: 2		
Cooler Temp (including CF): 1.5 ± 0 = 1.5		
Container Type and #	Preservative Type	HEAL No.
1 x 4oz JAR	ICE	025
		026
		027
		028
		029
		030
		031
		032
		033
		034
		035
		036
Received by:	Via:	Date Time
[Signature]		7/21/21 1102
Received by:	Via:	Date Time
See container #130121		7/30/21 8:00

## Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.

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

Ranger: PO Box 201179, Austin TX 78720

Phone #: 521-335-1785

email or Fax#: Will@RangerEnv.com

QA/QC Package:

☒ Standard
 ☐ Level 4 (Full Validation)
Accreditation: ☐ Az Compliance
☒ NELAC
 ☐ Other

☒ EDD (Type)
 ☐ Excel

Turn-Around Time: 5 days

☒ Standard ☐ Rush

Project Name: MILLENAR PROPERTY

Project #: 5375

Project Manager: W. Kierdorf

Sampler: W. KIERDORFOn Ice: ☒ Yes ☐ No# of Coolers: 2Cooler Temp (including CF): 1.5 ± 0.5

Container Type and #

Preservative Type

HEAL No.

1 x 42 Jar Ice

037

038

039

040

041

042

043

044

045

046

047

048

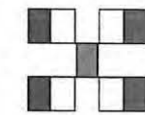
Date: 7/29/21 Time: 1102

Date: 7/29/21 Time: 1102

Date: 7/30/21 Time: 8:00

Date: 7/30/21 Time: 8:00

Remarks: Bill to EOG Artesia



# HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

## Analysis Request

TPH: 8015D (GRO / DRO / MRO)

Chloride (EPA 300)

BTX (8021)



# Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.

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

Ranger: PO Box 201179, Austin TX 78720

Phone #: 521-335-1785

email or Fax#: Will@RangerEnv.com

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☒ NELAC ☐ Other

☒ EDD (Type) Excel

Turn-Around Time:

5 days

☒ Standard ☐ Rush

Project Name: Molecular Property

Project #: 5375

Project Manager: W. Kierdorf

Sampler: W. Kierdorf

On Ice: ☒ Yes ☐ No

# of Coolers: 2

Cooler Temp (including CF): 1.5 ± 0.1.5

Container Type and #

Preservative Type

HEAL No.

1 x 4oz Jar Ice

049

050

051

052

053

054

055

056

057

058

059

060

061

062

063

064

065

066

067

068

069

070

071

072

073

074

# Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.

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

Ranger: PO Box 201179, Austin TX 78720

Phone #: 521-335-1785

email or Fax#: Will@RangerEnv.com

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☒ NELAC ☐ Other

☒ EDD (Type) Excel

Turn-Around Time:

5 days

☒ Standard ☐ Rush

Project Name: Molecular Property

Project #: 5375

Project Manager: W. Kierdorf

Sampler: W. Kierdorf

On Ice: ☒ Yes ☐ No

# of Coolers: 2

Cooler Temp (including CF): 1.5 ± 0.1.5

Container Type and #

Preservative Type

HEAL No.

1 x 4oz Jar Ice

049

050

051

052

053

054

055

056

057

058

059

060

061

062

063

064

065

066

067

068

069

070

071

072

073

074

# Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.

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

Ranger: PO Box 201179, Austin TX 78720

Phone #: 521-335-1785

email or Fax#: Will@RangerEnv.com

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☒ NELAC ☐ Other

☒ EDD (Type) Excel

Turn-Around Time:

5 days

☒ Standard ☐ Rush

Project Name: Molecular Property

Project #: 5375

Project Manager: W. Kierdorf

Sampler: W. Kierdorf

On Ice: ☒ Yes ☐ No

# of Coolers: 2

Cooler Temp (including CF): 1.5 ± 0.1.5

Container Type and #

Preservative Type

HEAL No.

1 x 4oz Jar Ice

049

050

051

052

053

054

055

056

057

058

059

060

061

062

063

064

065

066

067

068

069

070

071

072

073

074

# Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.

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

Ranger: PO Box 201179, Austin TX 78720

Phone #: 521-335-1785

email or Fax#: Will@RangerEnv.com

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☒ NELAC ☐ Other

☒ EDD (Type) Excel

Turn-Around Time:

5 days

☒ Standard ☐ Rush

Project Name: Molecular Property

Project #: 5375

Project Manager: W. Kierdorf

Sampler: W. Kierdorf

On Ice: ☒ Yes ☐ No

# of Coolers: 2

Cooler Temp (including CF): 1.5 ± 0.1.5

Container Type and #

Preservative Type

HEAL No.

1 x 4oz Jar Ice

049

050

051

052

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# Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.

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

Ranger: PO Box 201179, Austin TX 78720

Phone #: 521-335-1785

email or Fax#: Will@RangerEnv.com

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☒ NELAC ☐ Other

☒ EDD (Type) Excel

Turn-Around Time:

5 days

☒ Standard ☐ Rush

Project Name: Molecular Property

Project #: 5375

Project Manager: W. Kierdorf

Sampler: W. Kierdorf

On Ice: ☒ Yes ☐ No

# of Coolers: 2

Cooler Temp (including CF): 1.5 ± 0.1.5

Container Type and #

Preservative Type

HEAL No.

1 x 4oz Jar Ice

049

050

051

052

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# Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.

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

Ranger: PO Box 201179, Austin TX 78720

Phone #: 521-335-1785

email or Fax#: Will@RangerEnv.com

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☒ NELAC ☐ Other

☒ EDD (Type) Excel

Turn-Around Time:

5 days

☒ Standard ☐ Rush

Project Name: Molecular Property

Project #: 5375

Project Manager: W. Kierdorf

Sampler: W. Kierdorf

On Ice: ☒ Yes ☐ No

# of Coolers: 2

Cooler Temp (including CF): 1.5 ± 0.1.5

Container Type and #

Preservative Type

HEAL No.

# Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.

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

Ranger: PO Box 201179, Austin TX 78720

Phone #: 521-335-1785

email or Fax#: Will@RangerEnv.com

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☒ NELAC ☐ Other

☒ EDD (Type) Excel

Turn-Around Time:

☒ Standard ☐ Rush

Project Name: MULLER PROPERTY

Project #: 5375

Project Manager: W. Kierdorf

Sampler: W. Kierdorf

On Ice: ☒ Yes ☐ No

# of Coolers: 2

Cooler Temp (including CF): 1.5 ± 0.5

Container Type and #

Preservative Type

HEAL No.

1 x 4000 JAR

ICE

OG1

OG2

OG3

OG4

OG5

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OG251





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

August 12, 2021

Will Kierdorf

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX

RE: McCullar Property

OrderNo.: 2107G19

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 122 sample(s) on 7/31/2021 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued August 11, 2021.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://www.hallenvironmental.com) or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-4/0'

Project: McCullar Property

Collection Date: 7/29/2021 6:43:00 AM

Lab ID: 2107G19-001

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	5500	300		mg/Kg	100	8/9/2021 9:32:30 AM	61789
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	8/4/2021 11:00:29 AM	61726
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/4/2021 11:00:29 AM	61726
Surr: DNOP	91.0	70-130		%Rec	1	8/4/2021 11:00:29 AM	61726
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/3/2021 9:35:31 PM	61723
Surr: BFB	113	70-130		%Rec	1	8/3/2021 9:35:31 PM	61723
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	8/3/2021 9:35:31 PM	61723
Toluene	ND	0.050		mg/Kg	1	8/3/2021 9:35:31 PM	61723
Ethylbenzene	ND	0.050		mg/Kg	1	8/3/2021 9:35:31 PM	61723
Xylenes, Total	ND	0.099		mg/Kg	1	8/3/2021 9:35:31 PM	61723
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	8/3/2021 9:35:31 PM	61723

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

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

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-4/1'

Project: McCullar Property

Collection Date: 7/29/2021 6:51:00 AM

Lab ID: 2107G19-002

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	2100	60		mg/Kg	20	8/6/2021 9:10:59 AM	61806
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	8/4/2021 11:24:08 AM	61726
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/4/2021 11:24:08 AM	61726
Surr: DNOP	86.6	70-130		%Rec	1	8/4/2021 11:24:08 AM	61726
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/3/2021 10:45:57 PM	61723
Surr: BFB	114	70-130		%Rec	1	8/3/2021 10:45:57 PM	61723
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	8/3/2021 10:45:57 PM	61723
Toluene	ND	0.049		mg/Kg	1	8/3/2021 10:45:57 PM	61723
Ethylbenzene	ND	0.049		mg/Kg	1	8/3/2021 10:45:57 PM	61723
Xylenes, Total	ND	0.097		mg/Kg	1	8/3/2021 10:45:57 PM	61723
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	8/3/2021 10:45:57 PM	61723

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

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

Page 2 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-4/2'

Project: McCullar Property

Collection Date: 7/29/2021 6:57:00 AM

Lab ID: 2107G19-003

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	300	60		mg/Kg	20	8/6/2021 10:13:02 AM	61806
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	8/4/2021 11:47:56 AM	61726
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	8/4/2021 11:47:56 AM	61726
Surr: DNOP	84.2	70-130		%Rec	1	8/4/2021 11:47:56 AM	61726
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/3/2021 11:56:40 PM	61723
Surr: BFB	112	70-130		%Rec	1	8/3/2021 11:56:40 PM	61723
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	8/3/2021 11:56:40 PM	61723
Toluene	ND	0.048		mg/Kg	1	8/3/2021 11:56:40 PM	61723
Ethylbenzene	ND	0.048		mg/Kg	1	8/3/2021 11:56:40 PM	61723
Xylenes, Total	ND	0.095		mg/Kg	1	8/3/2021 11:56:40 PM	61723
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	8/3/2021 11:56:40 PM	61723

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

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

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-4/3'

Project: McCullar Property

Collection Date: 7/29/2021 7:07:00 AM

Lab ID: 2107G19-004

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	250	60		mg/Kg	20	8/6/2021 10:50:16 AM	61806
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	8/4/2021 12:11:45 PM	61726
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/4/2021 12:11:45 PM	61726
Surr: DNOP	85.6	70-130		%Rec	1	8/4/2021 12:11:45 PM	61726
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/4/2021 12:20:14 AM	61723
Surr: BFB	112	70-130		%Rec	1	8/4/2021 12:20:14 AM	61723
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	8/4/2021 12:20:14 AM	61723
Toluene	ND	0.048		mg/Kg	1	8/4/2021 12:20:14 AM	61723
Ethylbenzene	ND	0.048		mg/Kg	1	8/4/2021 12:20:14 AM	61723
Xylenes, Total	ND	0.097		mg/Kg	1	8/4/2021 12:20:14 AM	61723
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	8/4/2021 12:20:14 AM	61723

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

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



## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-4/4'

Project: McCullar Property

Collection Date: 7/29/2021 7:14:00 AM

Lab ID: 2107G19-005

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	190	60		mg/Kg	20	8/6/2021 11:02:40 AM	61806
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	8/4/2021 12:35:38 PM	61726
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/4/2021 12:35:38 PM	61726
Surr: DNOP	83.8	70-130		%Rec	1	8/4/2021 12:35:38 PM	61726
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/4/2021 1:30:36 AM	61723
Surr: BFB	113	70-130		%Rec	1	8/4/2021 1:30:36 AM	61723
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	8/4/2021 1:30:36 AM	61723
Toluene	ND	0.049		mg/Kg	1	8/4/2021 1:30:36 AM	61723
Ethylbenzene	ND	0.049		mg/Kg	1	8/4/2021 1:30:36 AM	61723
Xylenes, Total	ND	0.099		mg/Kg	1	8/4/2021 1:30:36 AM	61723
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	8/4/2021 1:30:36 AM	61723

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

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

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-5/0'

Project: McCullar Property

Collection Date: 7/29/2021 7:18:00 AM

Lab ID: 2107G19-006

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	6900	300		mg/Kg	100	8/9/2021 9:44:54 AM	61806
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	27	9.5		mg/Kg	1	8/4/2021 11:03:43 PM	61726
Motor Oil Range Organics (MRO)	210	48		mg/Kg	1	8/4/2021 11:03:43 PM	61726
Surr: DNOP	90.3	70-130		%Rec	1	8/4/2021 11:03:43 PM	61726
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/4/2021 1:54:08 AM	61723
Surr: BFB	113	70-130		%Rec	1	8/4/2021 1:54:08 AM	61723
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	8/4/2021 1:54:08 AM	61723
Toluene	ND	0.048		mg/Kg	1	8/4/2021 1:54:08 AM	61723
Ethylbenzene	ND	0.048		mg/Kg	1	8/4/2021 1:54:08 AM	61723
Xylenes, Total	ND	0.095		mg/Kg	1	8/4/2021 1:54:08 AM	61723
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	8/4/2021 1:54:08 AM	61723

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

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

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-5/1'

Project: McCullar Property

Collection Date: 7/29/2021 7:25:00 AM

Lab ID: 2107G19-007

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	2100	60		mg/Kg	20	8/6/2021 11:27:30 AM	61806
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	8/4/2021 12:59:30 PM	61726
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/4/2021 12:59:30 PM	61726
Surr: DNOP	89.8	70-130		%Rec	1	8/4/2021 12:59:30 PM	61726
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/4/2021 2:17:42 AM	61723
Surr: BFB	113	70-130		%Rec	1	8/4/2021 2:17:42 AM	61723
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.023		mg/Kg	1	8/4/2021 2:17:42 AM	61723
Toluene	ND	0.047		mg/Kg	1	8/4/2021 2:17:42 AM	61723
Ethylbenzene	ND	0.047		mg/Kg	1	8/4/2021 2:17:42 AM	61723
Xylenes, Total	ND	0.094		mg/Kg	1	8/4/2021 2:17:42 AM	61723
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	8/4/2021 2:17:42 AM	61723

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

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

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-5/2'

Project: McCullar Property

Collection Date: 7/29/2021 7:31:00 AM

Lab ID: 2107G19-008

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	560	60		mg/Kg	20	8/6/2021 11:39:54 AM	61806
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	8/4/2021 2:11:13 PM	61726
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/4/2021 2:11:13 PM	61726
Surr: DNOP	113	70-130		%Rec	1	8/4/2021 2:11:13 PM	61726
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/4/2021 2:41:07 AM	61723
Surr: BFB	112	70-130		%Rec	1	8/4/2021 2:41:07 AM	61723
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	8/4/2021 2:41:07 AM	61723
Toluene	ND	0.048		mg/Kg	1	8/4/2021 2:41:07 AM	61723
Ethylbenzene	ND	0.048		mg/Kg	1	8/4/2021 2:41:07 AM	61723
Xylenes, Total	ND	0.096		mg/Kg	1	8/4/2021 2:41:07 AM	61723
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	8/4/2021 2:41:07 AM	61723

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

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

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-5/3'

Project: McCullar Property

Collection Date: 7/29/2021 7:38:00 AM

Lab ID: 2107G19-009

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	530	60		mg/Kg	20	8/6/2021 11:52:18 AM	61806
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	8/4/2021 2:35:14 PM	61726
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/4/2021 2:35:14 PM	61726
Surr: DNOP	79.3	70-130		%Rec	1	8/4/2021 2:35:14 PM	61726
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/4/2021 3:04:36 AM	61723
Surr: BFB	113	70-130		%Rec	1	8/4/2021 3:04:36 AM	61723
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	8/4/2021 3:04:36 AM	61723
Toluene	ND	0.047		mg/Kg	1	8/4/2021 3:04:36 AM	61723
Ethylbenzene	ND	0.047		mg/Kg	1	8/4/2021 3:04:36 AM	61723
Xylenes, Total	ND	0.094		mg/Kg	1	8/4/2021 3:04:36 AM	61723
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	8/4/2021 3:04:36 AM	61723

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

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



## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-5/4'

Project: McCullar Property

Collection Date: 7/29/2021 7:44:00 AM

Lab ID: 2107G19-010

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	240	59		mg/Kg	20	8/6/2021 12:04:43 PM	61806
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	8/4/2021 2:59:22 PM	61726
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/4/2021 2:59:22 PM	61726
Surr: DNOP	86.9	70-130		%Rec	1	8/4/2021 2:59:22 PM	61726
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/4/2021 3:28:03 AM	61723
Surr: BFB	114	70-130		%Rec	1	8/4/2021 3:28:03 AM	61723
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	8/4/2021 3:28:03 AM	61723
Toluene	ND	0.047		mg/Kg	1	8/4/2021 3:28:03 AM	61723
Ethylbenzene	ND	0.047		mg/Kg	1	8/4/2021 3:28:03 AM	61723
Xylenes, Total	ND	0.094		mg/Kg	1	8/4/2021 3:28:03 AM	61723
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	8/4/2021 3:28:03 AM	61723

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

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

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-6/0'

Project: McCullar Property

Collection Date: 7/29/2021 7:52:00 AM

Lab ID: 2107G19-011

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	7100	300		mg/Kg	100	8/9/2021 9:57:18 AM	61806
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	8/5/2021 7:31:33 PM	61726
Motor Oil Range Organics (MRO)	120	50		mg/Kg	1	8/5/2021 7:31:33 PM	61726
Surr: DNOP	109	70-130		%Rec	1	8/5/2021 7:31:33 PM	61726
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/4/2021 3:51:42 AM	61723
Surr: BFB	109	70-130		%Rec	1	8/4/2021 3:51:42 AM	61723
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	8/4/2021 3:51:42 AM	61723
Toluene	ND	0.050		mg/Kg	1	8/4/2021 3:51:42 AM	61723
Ethylbenzene	ND	0.050		mg/Kg	1	8/4/2021 3:51:42 AM	61723
Xylenes, Total	ND	0.10		mg/Kg	1	8/4/2021 3:51:42 AM	61723
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	8/4/2021 3:51:42 AM	61723

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

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

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-6/1'

Project: McCullar Property

Collection Date: 7/29/2021 7:59:00 AM

Lab ID: 2107G19-012

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	2000	60		mg/Kg	20	8/6/2021 12:54:23 PM	61806
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	8/4/2021 3:47:28 PM	61726
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/4/2021 3:47:28 PM	61726
Surr: DNOP	86.7	70-130		%Rec	1	8/4/2021 3:47:28 PM	61726
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	8/4/2021 4:15:16 AM	61723
Surr: BFB	110	70-130		%Rec	1	8/4/2021 4:15:16 AM	61723
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.023		mg/Kg	1	8/4/2021 4:15:16 AM	61723
Toluene	ND	0.046		mg/Kg	1	8/4/2021 4:15:16 AM	61723
Ethylbenzene	ND	0.046		mg/Kg	1	8/4/2021 4:15:16 AM	61723
Xylenes, Total	ND	0.093		mg/Kg	1	8/4/2021 4:15:16 AM	61723
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	8/4/2021 4:15:16 AM	61723

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

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

Page 12 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-6/2'

Project: McCullar Property

Collection Date: 7/29/2021 8:05:00 AM

Lab ID: 2107G19-013

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	790	61		mg/Kg	20	8/6/2021 1:06:48 PM	61806
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	8/4/2021 4:11:34 PM	61726
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/4/2021 4:11:34 PM	61726
Surr: DNOP	92.2	70-130		%Rec	1	8/4/2021 4:11:34 PM	61726
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/4/2021 4:38:54 AM	61723
Surr: BFB	111	70-130		%Rec	1	8/4/2021 4:38:54 AM	61723
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	8/4/2021 4:38:54 AM	61723
Toluene	ND	0.048		mg/Kg	1	8/4/2021 4:38:54 AM	61723
Ethylbenzene	ND	0.048		mg/Kg	1	8/4/2021 4:38:54 AM	61723
Xylenes, Total	ND	0.096		mg/Kg	1	8/4/2021 4:38:54 AM	61723
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	8/4/2021 4:38:54 AM	61723

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

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

Page 13 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-6/3'

Project: McCullar Property

Collection Date: 7/29/2021 8:13:00 AM

Lab ID: 2107G19-014

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	670	60		mg/Kg	20	8/6/2021 1:19:13 PM	61806
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	8/4/2021 4:35:35 PM	61726
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	8/4/2021 4:35:35 PM	61726
Surr: DNOP	99.0	70-130		%Rec	1	8/4/2021 4:35:35 PM	61726
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/4/2021 5:02:28 AM	61723
Surr: BFB	113	70-130		%Rec	1	8/4/2021 5:02:28 AM	61723
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	8/4/2021 5:02:28 AM	61723
Toluene	ND	0.049		mg/Kg	1	8/4/2021 5:02:28 AM	61723
Ethylbenzene	ND	0.049		mg/Kg	1	8/4/2021 5:02:28 AM	61723
Xylenes, Total	ND	0.097		mg/Kg	1	8/4/2021 5:02:28 AM	61723
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	8/4/2021 5:02:28 AM	61723

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

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

Page 14 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-6/4'

Project: McCullar Property

Collection Date: 7/29/2021 8:23:00 AM

Lab ID: 2107G19-015

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	550	60		mg/Kg	20	8/6/2021 1:31:38 PM	61806
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	8/4/2021 5:01:24 PM	61726
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	8/4/2021 5:01:24 PM	61726
Surr: DNOP	99.4	70-130		%Rec	1	8/4/2021 5:01:24 PM	61726
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/4/2021 12:41:32 PM	61723
Surr: BFB	116	70-130		%Rec	1	8/4/2021 12:41:32 PM	61723
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.023		mg/Kg	1	8/4/2021 12:41:32 PM	61723
Toluene	ND	0.047		mg/Kg	1	8/4/2021 12:41:32 PM	61723
Ethylbenzene	ND	0.047		mg/Kg	1	8/4/2021 12:41:32 PM	61723
Xylenes, Total	ND	0.093		mg/Kg	1	8/4/2021 12:41:32 PM	61723
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	8/4/2021 12:41:32 PM	61723

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

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



## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-7/0'

Project: McCullar Property

Collection Date: 7/29/2021 8:34:00 AM

Lab ID: 2107G19-016

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	7600	300		mg/Kg	100	8/9/2021 10:09:42 AM	61806
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	8.4		mg/Kg	1	8/5/2021 7:57:01 PM	61726
Motor Oil Range Organics (MRO)	58	42		mg/Kg	1	8/5/2021 7:57:01 PM	61726
Surr: DNOP	105	70-130		%Rec	1	8/5/2021 7:57:01 PM	61726
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	8/4/2021 1:52:23 PM	61723
Surr: BFB	115	70-130		%Rec	1	8/4/2021 1:52:23 PM	61723
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.023		mg/Kg	1	8/4/2021 1:52:23 PM	61723
Toluene	ND	0.046		mg/Kg	1	8/4/2021 1:52:23 PM	61723
Ethylbenzene	ND	0.046		mg/Kg	1	8/4/2021 1:52:23 PM	61723
Xylenes, Total	ND	0.092		mg/Kg	1	8/4/2021 1:52:23 PM	61723
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	8/4/2021 1:52:23 PM	61723

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

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

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-7/1'

Project: McCullar Property

Collection Date: 7/29/2021 8:42:00 AM

Lab ID: 2107G19-017

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	2000	60		mg/Kg	20	8/6/2021 9:30:39 AM	61807
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	8/4/2021 5:49:30 PM	61726
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/4/2021 5:49:30 PM	61726
Surr: DNOP	87.5	70-130		%Rec	1	8/4/2021 5:49:30 PM	61726
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/4/2021 2:16:07 PM	61723
Surr: BFB	117	70-130		%Rec	1	8/4/2021 2:16:07 PM	61723
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	8/4/2021 2:16:07 PM	61723
Toluene	ND	0.048		mg/Kg	1	8/4/2021 2:16:07 PM	61723
Ethylbenzene	ND	0.048		mg/Kg	1	8/4/2021 2:16:07 PM	61723
Xylenes, Total	ND	0.096		mg/Kg	1	8/4/2021 2:16:07 PM	61723
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	8/4/2021 2:16:07 PM	61723

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

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

Page 17 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-7/2'

Project: McCullar Property

Collection Date: 7/29/2021 8:49:00 AM

Lab ID: 2107G19-018

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	890	60		mg/Kg	20	8/6/2021 9:43:03 AM	61807
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	8/4/2021 6:13:43 PM	61726
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/4/2021 6:13:43 PM	61726
Surr: DNOP	93.6	70-130		%Rec	1	8/4/2021 6:13:43 PM	61726
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	8/4/2021 2:39:53 PM	61723
Surr: BFB	118	70-130		%Rec	1	8/4/2021 2:39:53 PM	61723
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.023		mg/Kg	1	8/4/2021 2:39:53 PM	61723
Toluene	ND	0.046		mg/Kg	1	8/4/2021 2:39:53 PM	61723
Ethylbenzene	ND	0.046		mg/Kg	1	8/4/2021 2:39:53 PM	61723
Xylenes, Total	ND	0.091		mg/Kg	1	8/4/2021 2:39:53 PM	61723
Surr: 4-Bromofluorobenzene	108	70-130		%Rec	1	8/4/2021 2:39:53 PM	61723

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

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

Page 18 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-7/3'

Project: McCullar Property

Collection Date: 7/29/2021 8:58:00 AM

Lab ID: 2107G19-019

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	450	61		mg/Kg	20	8/6/2021 9:55:28 AM	61807
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	8/4/2021 6:37:54 PM	61726
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	8/4/2021 6:37:54 PM	61726
Surr: DNOP	86.5	70-130		%Rec	1	8/4/2021 6:37:54 PM	61726
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/4/2021 3:03:35 PM	61723
Surr: BFB	119	70-130		%Rec	1	8/4/2021 3:03:35 PM	61723
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.023		mg/Kg	1	8/4/2021 3:03:35 PM	61723
Toluene	ND	0.047		mg/Kg	1	8/4/2021 3:03:35 PM	61723
Ethylbenzene	ND	0.047		mg/Kg	1	8/4/2021 3:03:35 PM	61723
Xylenes, Total	ND	0.093		mg/Kg	1	8/4/2021 3:03:35 PM	61723
Surr: 4-Bromofluorobenzene	108	70-130		%Rec	1	8/4/2021 3:03:35 PM	61723

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

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

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-7/4'

Project: McCullar Property

Collection Date: 7/29/2021 9:05:00 AM

Lab ID: 2107G19-020

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	330	60		mg/Kg	20	8/6/2021 10:07:52 AM	61807
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	8.8		mg/Kg	1	8/4/2021 7:02:10 PM	61726
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	8/4/2021 7:02:10 PM	61726
Surr: DNOP	88.0	70-130		%Rec	1	8/4/2021 7:02:10 PM	61726
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	8/4/2021 3:27:18 PM	61723
Surr: BFB	120	70-130		%Rec	1	8/4/2021 3:27:18 PM	61723
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.023		mg/Kg	1	8/4/2021 3:27:18 PM	61723
Toluene	ND	0.046		mg/Kg	1	8/4/2021 3:27:18 PM	61723
Ethylbenzene	ND	0.046		mg/Kg	1	8/4/2021 3:27:18 PM	61723
Xylenes, Total	ND	0.092		mg/Kg	1	8/4/2021 3:27:18 PM	61723
Surr: 4-Bromofluorobenzene	108	70-130		%Rec	1	8/4/2021 3:27:18 PM	61723

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

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

Page 20 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-8/0'

Project: McCullar Property

Collection Date: 7/29/2021 9:10:00 AM

Lab ID: 2107G19-021

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	2800	150		mg/Kg	50	8/9/2021 10:22:07 AM	61807
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	8/5/2021 3:51:56 AM	61731
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/5/2021 3:51:56 AM	61731
Surr: DNOP	126	70-130		%Rec	1	8/5/2021 3:51:56 AM	61731
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/3/2021 10:23:00 AM	61725
Surr: BFB	96.3	70-130		%Rec	1	8/3/2021 10:23:00 AM	61725
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	8/3/2021 10:23:00 AM	61725
Toluene	ND	0.047		mg/Kg	1	8/3/2021 10:23:00 AM	61725
Ethylbenzene	ND	0.047		mg/Kg	1	8/3/2021 10:23:00 AM	61725
Xylenes, Total	ND	0.095		mg/Kg	1	8/3/2021 10:23:00 AM	61725
Surr: 4-Bromofluorobenzene	85.4	70-130		%Rec	1	8/3/2021 10:23:00 AM	61725

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

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



## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-8/1'

Project: McCullar Property

Collection Date: 7/29/2021 9:18:00 AM

Lab ID: 2107G19-022

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	1600	61		mg/Kg	20	8/6/2021 10:32:42 AM	61807
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	8/4/2021 9:46:29 AM	61731
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/4/2021 9:46:29 AM	61731
Surr: DNOP	114	70-130		%Rec	1	8/4/2021 9:46:29 AM	61731
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/3/2021 11:23:00 AM	61725
Surr: BFB	107	70-130		%Rec	1	8/3/2021 11:23:00 AM	61725
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	8/3/2021 11:23:00 AM	61725
Toluene	ND	0.048		mg/Kg	1	8/3/2021 11:23:00 AM	61725
Ethylbenzene	ND	0.048		mg/Kg	1	8/3/2021 11:23:00 AM	61725
Xylenes, Total	ND	0.097		mg/Kg	1	8/3/2021 11:23:00 AM	61725
Surr: 4-Bromofluorobenzene	95.0	70-130		%Rec	1	8/3/2021 11:23:00 AM	61725

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

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

Page 22 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-8/2'

Project: McCullar Property

Collection Date: 7/29/2021 9:23:00 AM

Lab ID: 2107G19-023

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	870	60		mg/Kg	20	8/6/2021 11:34:44 AM	61807
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	8/4/2021 9:58:31 AM	61731
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/4/2021 9:58:31 AM	61731
Surr: DNOP	92.1	70-130		%Rec	1	8/4/2021 9:58:31 AM	61731
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/3/2021 12:22:00 PM	61725
Surr: BFB	104	70-130		%Rec	1	8/3/2021 12:22:00 PM	61725
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	8/3/2021 12:22:00 PM	61725
Toluene	ND	0.048		mg/Kg	1	8/3/2021 12:22:00 PM	61725
Ethylbenzene	ND	0.048		mg/Kg	1	8/3/2021 12:22:00 PM	61725
Xylenes, Total	ND	0.096		mg/Kg	1	8/3/2021 12:22:00 PM	61725
Surr: 4-Bromofluorobenzene	89.7	70-130		%Rec	1	8/3/2021 12:22:00 PM	61725

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

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

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-8/3'

Project: McCullar Property

Collection Date: 7/29/2021 9:30:00 AM

Lab ID: 2107G19-024

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	420	60		mg/Kg	20	8/6/2021 12:11:57 PM	61807
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	8/4/2021 10:10:40 AM	61731
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/4/2021 10:10:40 AM	61731
Surr: DNOP	97.9	70-130		%Rec	1	8/4/2021 10:10:40 AM	61731
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	8/3/2021 12:42:00 PM	61725
Surr: BFB	100	70-130		%Rec	1	8/3/2021 12:42:00 PM	61725
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.023		mg/Kg	1	8/3/2021 12:42:00 PM	61725
Toluene	ND	0.046		mg/Kg	1	8/3/2021 12:42:00 PM	61725
Ethylbenzene	ND	0.046		mg/Kg	1	8/3/2021 12:42:00 PM	61725
Xylenes, Total	ND	0.093		mg/Kg	1	8/3/2021 12:42:00 PM	61725
Surr: 4-Bromofluorobenzene	85.9	70-130		%Rec	1	8/3/2021 12:42:00 PM	61725

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

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

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-8/4'

Project: McCullar Property

Collection Date: 7/29/2021 9:37:00 AM

Lab ID: 2107G19-025

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	380	61		mg/Kg	20	8/6/2021 12:24:21 PM	61807
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	8/4/2021 10:22:42 AM	61731
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/4/2021 10:22:42 AM	61731
Surr: DNOP	115	70-130		%Rec	1	8/4/2021 10:22:42 AM	61731
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/3/2021 1:02:00 PM	61725
Surr: BFB	97.0	70-130		%Rec	1	8/3/2021 1:02:00 PM	61725
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	8/3/2021 1:02:00 PM	61725
Toluene	ND	0.048		mg/Kg	1	8/3/2021 1:02:00 PM	61725
Ethylbenzene	ND	0.048		mg/Kg	1	8/3/2021 1:02:00 PM	61725
Xylenes, Total	ND	0.095		mg/Kg	1	8/3/2021 1:02:00 PM	61725
Surr: 4-Bromofluorobenzene	85.7	70-130		%Rec	1	8/3/2021 1:02:00 PM	61725

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

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

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-9/0'

Project: McCullar Property

Collection Date: 7/29/2021 9:41:00 AM

Lab ID: 2107G19-026

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	2400	150		mg/Kg	50	8/9/2021 10:34:31 AM	61807
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	8/4/2021 11:51:54 PM	61731
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/4/2021 11:51:54 PM	61731
Surr: DNOP	119	70-130		%Rec	1	8/4/2021 11:51:54 PM	61731
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	8/3/2021 1:22:00 PM	61725
Surr: BFB	99.7	70-130		%Rec	1	8/3/2021 1:22:00 PM	61725
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.023		mg/Kg	1	8/3/2021 1:22:00 PM	61725
Toluene	ND	0.046		mg/Kg	1	8/3/2021 1:22:00 PM	61725
Ethylbenzene	ND	0.046		mg/Kg	1	8/3/2021 1:22:00 PM	61725
Xylenes, Total	ND	0.092		mg/Kg	1	8/3/2021 1:22:00 PM	61725
Surr: 4-Bromofluorobenzene	89.6	70-130		%Rec	1	8/3/2021 1:22:00 PM	61725

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

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

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-9/1'

Project: McCullar Property

Collection Date: 7/29/2021 9:50:00 AM

Lab ID: 2107G19-027

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	1900	60		mg/Kg	20	8/6/2021 12:49:09 PM	61807
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	8/4/2021 11:10:56 AM	61731
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/4/2021 11:10:56 AM	61731
Surr: DNOP	115	70-130		%Rec	1	8/4/2021 11:10:56 AM	61731
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/3/2021 1:42:00 PM	61725
Surr: BFB	105	70-130		%Rec	1	8/3/2021 1:42:00 PM	61725
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	8/3/2021 1:42:00 PM	61725
Toluene	ND	0.047		mg/Kg	1	8/3/2021 1:42:00 PM	61725
Ethylbenzene	ND	0.047		mg/Kg	1	8/3/2021 1:42:00 PM	61725
Xylenes, Total	ND	0.095		mg/Kg	1	8/3/2021 1:42:00 PM	61725
Surr: 4-Bromofluorobenzene	94.1	70-130		%Rec	1	8/3/2021 1:42:00 PM	61725

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

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



## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-9/2'

Project: McCullar Property

Collection Date: 7/29/2021 9:58:00 AM

Lab ID: 2107G19-028

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	580	60		mg/Kg	20	8/6/2021 1:01:34 PM	61807
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	8/4/2021 11:22:57 AM	61731
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/4/2021 11:22:57 AM	61731
Surr: DNOP	110	70-130		%Rec	1	8/4/2021 11:22:57 AM	61731
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/3/2021 2:02:00 PM	61725
Surr: BFB	106	70-130		%Rec	1	8/3/2021 2:02:00 PM	61725
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	8/3/2021 2:02:00 PM	61725
Toluene	ND	0.049		mg/Kg	1	8/3/2021 2:02:00 PM	61725
Ethylbenzene	ND	0.049		mg/Kg	1	8/3/2021 2:02:00 PM	61725
Xylenes, Total	ND	0.098		mg/Kg	1	8/3/2021 2:02:00 PM	61725
Surr: 4-Bromofluorobenzene	95.4	70-130		%Rec	1	8/3/2021 2:02:00 PM	61725

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

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

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-9/3'

Project: McCullar Property

Collection Date: 7/29/2021 10:04:00 AM

Lab ID: 2107G19-029

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	300	60		mg/Kg	20	8/6/2021 1:13:58 PM	61807
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	8/4/2021 11:34:56 AM	61731
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/4/2021 11:34:56 AM	61731
Surr: DNOP	117	70-130		%Rec	1	8/4/2021 11:34:56 AM	61731
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	8/3/2021 2:22:00 PM	61725
Surr: BFB	108	70-130		%Rec	1	8/3/2021 2:22:00 PM	61725
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.023		mg/Kg	1	8/3/2021 2:22:00 PM	61725
Toluene	ND	0.046		mg/Kg	1	8/3/2021 2:22:00 PM	61725
Ethylbenzene	ND	0.046		mg/Kg	1	8/3/2021 2:22:00 PM	61725
Xylenes, Total	ND	0.092		mg/Kg	1	8/3/2021 2:22:00 PM	61725
Surr: 4-Bromofluorobenzene	95.6	70-130		%Rec	1	8/3/2021 2:22:00 PM	61725

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

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

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-9/4'

Project: McCullar Property

Collection Date: 7/29/2021 10:14:00 AM

Lab ID: 2107G19-030

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	330	60		mg/Kg	20	8/6/2021 1:26:22 PM	61807
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	8/4/2021 11:47:00 AM	61731
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	8/4/2021 11:47:00 AM	61731
Surr: DNOP	94.8	70-130		%Rec	1	8/4/2021 11:47:00 AM	61731
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	8/3/2021 2:42:00 PM	61725
Surr: BFB	109	70-130		%Rec	1	8/3/2021 2:42:00 PM	61725
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.023		mg/Kg	1	8/3/2021 2:42:00 PM	61725
Toluene	ND	0.046		mg/Kg	1	8/3/2021 2:42:00 PM	61725
Ethylbenzene	ND	0.046		mg/Kg	1	8/3/2021 2:42:00 PM	61725
Xylenes, Total	ND	0.093		mg/Kg	1	8/3/2021 2:42:00 PM	61725
Surr: 4-Bromofluorobenzene	96.4	70-130		%Rec	1	8/3/2021 2:42:00 PM	61725

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

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

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-10/0'

Project: McCullar Property

Collection Date: 7/29/2021 10:20:00 AM

Lab ID: 2107G19-031

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	1000	60		mg/Kg	20	8/6/2021 2:03:36 PM	61807
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	8/4/2021 11:59:05 AM	61731
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/4/2021 11:59:05 AM	61731
Surr: DNOP	82.1	70-130		%Rec	1	8/4/2021 11:59:05 AM	61731
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/3/2021 3:42:00 PM	61725
Surr: BFB	105	70-130		%Rec	1	8/3/2021 3:42:00 PM	61725
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	8/3/2021 3:42:00 PM	61725
Toluene	ND	0.050		mg/Kg	1	8/3/2021 3:42:00 PM	61725
Ethylbenzene	ND	0.050		mg/Kg	1	8/3/2021 3:42:00 PM	61725
Xylenes, Total	ND	0.10		mg/Kg	1	8/3/2021 3:42:00 PM	61725
Surr: 4-Bromofluorobenzene	92.1	70-130		%Rec	1	8/3/2021 3:42:00 PM	61725

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

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

Page 31 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-10/1'

Project: McCullar Property

Collection Date: 7/29/2021 10:27:00 AM

Lab ID: 2107G19-032

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	610	60		mg/Kg	20	8/6/2021 2:16:00 PM	61807
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	8/4/2021 12:11:11 PM	61731
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/4/2021 12:11:11 PM	61731
Surr: DNOP	119	70-130		%Rec	1	8/4/2021 12:11:11 PM	61731
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	8/3/2021 4:02:00 PM	61725
Surr: BFB	103	70-130		%Rec	1	8/3/2021 4:02:00 PM	61725
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.023		mg/Kg	1	8/3/2021 4:02:00 PM	61725
Toluene	ND	0.046		mg/Kg	1	8/3/2021 4:02:00 PM	61725
Ethylbenzene	ND	0.046		mg/Kg	1	8/3/2021 4:02:00 PM	61725
Xylenes, Total	ND	0.092		mg/Kg	1	8/3/2021 4:02:00 PM	61725
Surr: 4-Bromofluorobenzene	88.7	70-130		%Rec	1	8/3/2021 4:02:00 PM	61725

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

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

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-10/2'

Project: McCullar Property

Collection Date: 7/29/2021 10:34:00 AM

Lab ID: 2107G19-033

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	260	60		mg/Kg	20	8/6/2021 2:28:25 PM	61807
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	8/4/2021 12:23:15 PM	61731
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/4/2021 12:23:15 PM	61731
Surr: DNOP	125	70-130		%Rec	1	8/4/2021 12:23:15 PM	61731
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/3/2021 4:22:00 PM	61725
Surr: BFB	98.8	70-130		%Rec	1	8/3/2021 4:22:00 PM	61725
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	8/3/2021 4:22:00 PM	61725
Toluene	ND	0.047		mg/Kg	1	8/3/2021 4:22:00 PM	61725
Ethylbenzene	ND	0.047		mg/Kg	1	8/3/2021 4:22:00 PM	61725
Xylenes, Total	ND	0.095		mg/Kg	1	8/3/2021 4:22:00 PM	61725
Surr: 4-Bromofluorobenzene	87.8	70-130		%Rec	1	8/3/2021 4:22:00 PM	61725

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

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



## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-10/3'

Project: McCullar Property

Collection Date: 7/29/2021 10:42:00 AM

Lab ID: 2107G19-034

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	300	59		mg/Kg	20	8/6/2021 2:40:50 PM	61807
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	8/4/2021 12:35:22 PM	61731
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/4/2021 12:35:22 PM	61731
Surr: DNOP	109	70-130		%Rec	1	8/4/2021 12:35:22 PM	61731
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	8/3/2021 4:42:00 PM	61725
Surr: BFB	105	70-130		%Rec	1	8/3/2021 4:42:00 PM	61725
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.023		mg/Kg	1	8/3/2021 4:42:00 PM	61725
Toluene	ND	0.046		mg/Kg	1	8/3/2021 4:42:00 PM	61725
Ethylbenzene	ND	0.046		mg/Kg	1	8/3/2021 4:42:00 PM	61725
Xylenes, Total	ND	0.092		mg/Kg	1	8/3/2021 4:42:00 PM	61725
Surr: 4-Bromofluorobenzene	90.9	70-130		%Rec	1	8/3/2021 4:42:00 PM	61725

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

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

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-10/4'

Project: McCullar Property

Collection Date: 7/29/2021 10:48:00 AM

Lab ID: 2107G19-035

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	310	59		mg/Kg	20	8/6/2021 2:53:14 PM	61807
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	8/4/2021 12:47:25 PM	61731
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/4/2021 12:47:25 PM	61731
Surr: DNOP	116	70-130		%Rec	1	8/4/2021 12:47:25 PM	61731
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/3/2021 5:02:00 PM	61725
Surr: BFB	98.9	70-130		%Rec	1	8/3/2021 5:02:00 PM	61725
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	8/3/2021 5:02:00 PM	61725
Toluene	ND	0.047		mg/Kg	1	8/3/2021 5:02:00 PM	61725
Ethylbenzene	ND	0.047		mg/Kg	1	8/3/2021 5:02:00 PM	61725
Xylenes, Total	ND	0.094		mg/Kg	1	8/3/2021 5:02:00 PM	61725
Surr: 4-Bromofluorobenzene	86.3	70-130		%Rec	1	8/3/2021 5:02:00 PM	61725

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

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

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-11/0'

Project: McCullar Property

Collection Date: 7/29/2021 11:42:00 AM

Lab ID: 2107G19-036

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	940	59		mg/Kg	20	8/6/2021 3:05:38 PM	61807
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	8/4/2021 12:59:32 PM	61731
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/4/2021 12:59:32 PM	61731
Surr: DNOP	123	70-130		%Rec	1	8/4/2021 12:59:32 PM	61731
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/3/2021 5:22:00 PM	61725
Surr: BFB	95.2	70-130		%Rec	1	8/3/2021 5:22:00 PM	61725
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	8/3/2021 5:22:00 PM	61725
Toluene	ND	0.047		mg/Kg	1	8/3/2021 5:22:00 PM	61725
Ethylbenzene	ND	0.047		mg/Kg	1	8/3/2021 5:22:00 PM	61725
Xylenes, Total	ND	0.094		mg/Kg	1	8/3/2021 5:22:00 PM	61725
Surr: 4-Bromofluorobenzene	85.6	70-130		%Rec	1	8/3/2021 5:22:00 PM	61725

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

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

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-11/1'

Project: McCullar Property

Collection Date: 7/29/2021 11:51:00 AM

Lab ID: 2107G19-037

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	580	60		mg/Kg	20	8/6/2021 2:21:17 PM	61808
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	8/4/2021 1:11:32 PM	61731
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/4/2021 1:11:32 PM	61731
Surr: DNOP	76.4	70-130		%Rec	1	8/4/2021 1:11:32 PM	61731
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/3/2021 5:42:00 PM	61725
Surr: BFB	105	70-130		%Rec	1	8/3/2021 5:42:00 PM	61725
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	8/3/2021 5:42:00 PM	61725
Toluene	ND	0.048		mg/Kg	1	8/3/2021 5:42:00 PM	61725
Ethylbenzene	ND	0.048		mg/Kg	1	8/3/2021 5:42:00 PM	61725
Xylenes, Total	ND	0.095		mg/Kg	1	8/3/2021 5:42:00 PM	61725
Surr: 4-Bromofluorobenzene	92.3	70-130		%Rec	1	8/3/2021 5:42:00 PM	61725

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

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

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-11/2'

Project: McCullar Property

Collection Date: 7/29/2021 11:59:00 AM

Lab ID: 2107G19-038

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	390	60		mg/Kg	20	8/6/2021 2:33:42 PM	61808
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	8/4/2021 1:23:39 PM	61731
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/4/2021 1:23:39 PM	61731
Surr: DNOP	107	70-130		%Rec	1	8/4/2021 1:23:39 PM	61731
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/3/2021 6:03:00 PM	61725
Surr: BFB	105	70-130		%Rec	1	8/3/2021 6:03:00 PM	61725
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.023		mg/Kg	1	8/3/2021 6:03:00 PM	61725
Toluene	ND	0.047		mg/Kg	1	8/3/2021 6:03:00 PM	61725
Ethylbenzene	ND	0.047		mg/Kg	1	8/3/2021 6:03:00 PM	61725
Xylenes, Total	ND	0.093		mg/Kg	1	8/3/2021 6:03:00 PM	61725
Surr: 4-Bromofluorobenzene	91.3	70-130		%Rec	1	8/3/2021 6:03:00 PM	61725

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

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

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-11/3'

Project: McCullar Property

Collection Date: 7/29/2021 12:06:00 PM

Lab ID: 2107G19-039

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	390	60		mg/Kg	20	8/6/2021 3:10:57 PM	61808
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	8/4/2021 1:35:43 PM	61731
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	8/4/2021 1:35:43 PM	61731
Surr: DNOP	47.3	70-130	S	%Rec	1	8/4/2021 1:35:43 PM	61731
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/3/2021 6:23:00 PM	61725
Surr: BFB	102	70-130		%Rec	1	8/3/2021 6:23:00 PM	61725
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	8/3/2021 6:23:00 PM	61725
Toluene	ND	0.049		mg/Kg	1	8/3/2021 6:23:00 PM	61725
Ethylbenzene	ND	0.049		mg/Kg	1	8/3/2021 6:23:00 PM	61725
Xylenes, Total	ND	0.097		mg/Kg	1	8/3/2021 6:23:00 PM	61725
Surr: 4-Bromofluorobenzene	90.7	70-130		%Rec	1	8/3/2021 6:23:00 PM	61725

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

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



## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-11/4'

Project: McCullar Property

Collection Date: 7/29/2021 12:12:00 PM

Lab ID: 2107G19-040

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	280	60		mg/Kg	20	8/6/2021 3:23:21 PM	61808
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	8/4/2021 1:47:50 PM	61731
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/4/2021 1:47:50 PM	61731
Surr: DNOP	104	70-130		%Rec	1	8/4/2021 1:47:50 PM	61731
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/3/2021 6:43:00 PM	61725
Surr: BFB	108	70-130		%Rec	1	8/3/2021 6:43:00 PM	61725
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	8/3/2021 6:43:00 PM	61725
Toluene	ND	0.049		mg/Kg	1	8/3/2021 6:43:00 PM	61725
Ethylbenzene	ND	0.049		mg/Kg	1	8/3/2021 6:43:00 PM	61725
Xylenes, Total	ND	0.097		mg/Kg	1	8/3/2021 6:43:00 PM	61725
Surr: 4-Bromofluorobenzene	91.0	70-130		%Rec	1	8/3/2021 6:43:00 PM	61725

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

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

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-12/0'

Project: McCullar Property

Collection Date: 7/29/2021 12:18:00 PM

Lab ID: 2107G19-041

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	840	59		mg/Kg	20	8/6/2021 3:35:46 PM	61808
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	8/4/2021 8:38:10 AM	61741
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/4/2021 8:38:10 AM	61741
Surr: DNOP	83.0	70-130		%Rec	1	8/4/2021 8:38:10 AM	61741
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/3/2021 8:42:00 PM	61730
Surr: BFB	96.1	70-130		%Rec	1	8/3/2021 8:42:00 PM	61730
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	8/3/2021 8:42:00 PM	61730
Toluene	ND	0.050		mg/Kg	1	8/3/2021 8:42:00 PM	61730
Ethylbenzene	ND	0.050		mg/Kg	1	8/3/2021 8:42:00 PM	61730
Xylenes, Total	ND	0.10		mg/Kg	1	8/3/2021 8:42:00 PM	61730
Surr: 4-Bromofluorobenzene	86.1	70-130		%Rec	1	8/3/2021 8:42:00 PM	61730

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

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

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-12/1'

Project: McCullar Property

Collection Date: 7/29/2021 12:23:00 PM

Lab ID: 2107G19-042

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	440	60		mg/Kg	20	8/6/2021 3:48:11 PM	61808
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	8/4/2021 7:22:39 PM	61741
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/4/2021 7:22:39 PM	61741
Surr: DNOP	82.3	70-130		%Rec	1	8/4/2021 7:22:39 PM	61741
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/3/2021 9:42:00 PM	61730
Surr: BFB	105	70-130		%Rec	1	8/3/2021 9:42:00 PM	61730
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	8/3/2021 9:42:00 PM	61730
Toluene	ND	0.049		mg/Kg	1	8/3/2021 9:42:00 PM	61730
Ethylbenzene	ND	0.049		mg/Kg	1	8/3/2021 9:42:00 PM	61730
Xylenes, Total	ND	0.098		mg/Kg	1	8/3/2021 9:42:00 PM	61730
Surr: 4-Bromofluorobenzene	90.3	70-130		%Rec	1	8/3/2021 9:42:00 PM	61730

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

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

Page 42 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-12/2'

Project: McCullar Property

Collection Date: 7/29/2021 12:28:00 PM

Lab ID: 2107G19-043

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	190	60		mg/Kg	20	8/6/2021 4:25:26 PM	61808
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	8/4/2021 7:35:18 PM	61741
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	8/4/2021 7:35:18 PM	61741
Surr: DNOP	84.9	70-130		%Rec	1	8/4/2021 7:35:18 PM	61741
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/3/2021 10:42:00 PM	61730
Surr: BFB	101	70-130		%Rec	1	8/3/2021 10:42:00 PM	61730
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	8/3/2021 10:42:00 PM	61730
Toluene	ND	0.049		mg/Kg	1	8/3/2021 10:42:00 PM	61730
Ethylbenzene	ND	0.049		mg/Kg	1	8/3/2021 10:42:00 PM	61730
Xylenes, Total	ND	0.098		mg/Kg	1	8/3/2021 10:42:00 PM	61730
Surr: 4-Bromofluorobenzene	91.1	70-130		%Rec	1	8/3/2021 10:42:00 PM	61730

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

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

Page 43 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-12/3'

Project: McCullar Property

Collection Date: 7/29/2021 12:35:00 PM

Lab ID: 2107G19-044

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	260	60		mg/Kg	20	8/6/2021 5:02:41 PM	61808
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	8/4/2021 7:47:45 PM	61741
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/4/2021 7:47:45 PM	61741
Surr: DNOP	83.1	70-130		%Rec	1	8/4/2021 7:47:45 PM	61741
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/3/2021 11:02:00 PM	61730
Surr: BFB	101	70-130		%Rec	1	8/3/2021 11:02:00 PM	61730
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	8/3/2021 11:02:00 PM	61730
Toluene	ND	0.048		mg/Kg	1	8/3/2021 11:02:00 PM	61730
Ethylbenzene	ND	0.048		mg/Kg	1	8/3/2021 11:02:00 PM	61730
Xylenes, Total	ND	0.097		mg/Kg	1	8/3/2021 11:02:00 PM	61730
Surr: 4-Bromofluorobenzene	89.0	70-130		%Rec	1	8/3/2021 11:02:00 PM	61730

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

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

Page 44 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-12/4'

Project: McCullar Property

Collection Date: 7/29/2021 12:40:00 PM

Lab ID: 2107G19-045

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	330	60		mg/Kg	20	8/6/2021 5:39:55 PM	61808
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	8/4/2021 8:00:16 PM	61741
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/4/2021 8:00:16 PM	61741
Surr: DNOP	82.8	70-130		%Rec	1	8/4/2021 8:00:16 PM	61741
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	8/3/2021 11:22:00 PM	61730
Surr: BFB	98.2	70-130		%Rec	1	8/3/2021 11:22:00 PM	61730
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.023		mg/Kg	1	8/3/2021 11:22:00 PM	61730
Toluene	ND	0.046		mg/Kg	1	8/3/2021 11:22:00 PM	61730
Ethylbenzene	ND	0.046		mg/Kg	1	8/3/2021 11:22:00 PM	61730
Xylenes, Total	ND	0.093		mg/Kg	1	8/3/2021 11:22:00 PM	61730
Surr: 4-Bromofluorobenzene	88.5	70-130		%Rec	1	8/3/2021 11:22:00 PM	61730

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

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



## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-13/0'

Project: McCullar Property

Collection Date: 7/29/2021 12:49:00 PM

Lab ID: 2107G19-051

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	160	60		mg/Kg	20	8/6/2021 5:52:20 PM	61808
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	8/5/2021 8:22:07 PM	61741
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/5/2021 8:22:07 PM	61741
Surr: DNOP	88.5	70-130		%Rec	1	8/5/2021 8:22:07 PM	61741
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/3/2021 11:42:00 PM	61730
Surr: BFB	102	70-130		%Rec	1	8/3/2021 11:42:00 PM	61730
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	8/3/2021 11:42:00 PM	61730
Toluene	ND	0.048		mg/Kg	1	8/3/2021 11:42:00 PM	61730
Ethylbenzene	ND	0.048		mg/Kg	1	8/3/2021 11:42:00 PM	61730
Xylenes, Total	ND	0.096		mg/Kg	1	8/3/2021 11:42:00 PM	61730
Surr: 4-Bromofluorobenzene	88.6	70-130		%Rec	1	8/3/2021 11:42:00 PM	61730

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

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

Page 46 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-13/1'

Project: McCullar Property

Collection Date: 7/29/2021 12:56:00 PM

Lab ID: 2107G19-052

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	390	60		mg/Kg	20	8/6/2021 6:04:45 PM	61808
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	8/4/2021 8:25:18 PM	61741
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/4/2021 8:25:18 PM	61741
Surr: DNOP	98.5	70-130		%Rec	1	8/4/2021 8:25:18 PM	61741
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/4/2021 12:02:00 AM	61730
Surr: BFB	103	70-130		%Rec	1	8/4/2021 12:02:00 AM	61730
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	8/4/2021 12:02:00 AM	61730
Toluene	ND	0.050		mg/Kg	1	8/4/2021 12:02:00 AM	61730
Ethylbenzene	ND	0.050		mg/Kg	1	8/4/2021 12:02:00 AM	61730
Xylenes, Total	ND	0.10		mg/Kg	1	8/4/2021 12:02:00 AM	61730
Surr: 4-Bromofluorobenzene	90.7	70-130		%Rec	1	8/4/2021 12:02:00 AM	61730

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

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

Page 47 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-13/2'

Project: McCullar Property

Collection Date: 7/29/2021 1:04:00 PM

Lab ID: 2107G19-053

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	480	60		mg/Kg	20	8/6/2021 6:17:10 PM	61808
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	8/4/2021 8:37:40 PM	61741
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/4/2021 8:37:40 PM	61741
Surr: DNOP	84.9	70-130		%Rec	1	8/4/2021 8:37:40 PM	61741
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/4/2021 12:22:00 AM	61730
Surr: BFB	106	70-130		%Rec	1	8/4/2021 12:22:00 AM	61730
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	8/4/2021 12:22:00 AM	61730
Toluene	ND	0.049		mg/Kg	1	8/4/2021 12:22:00 AM	61730
Ethylbenzene	ND	0.049		mg/Kg	1	8/4/2021 12:22:00 AM	61730
Xylenes, Total	ND	0.098		mg/Kg	1	8/4/2021 12:22:00 AM	61730
Surr: 4-Bromofluorobenzene	94.3	70-130		%Rec	1	8/4/2021 12:22:00 AM	61730

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

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

Page 48 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-13/3'

Project: McCullar Property

Collection Date: 7/29/2021 1:17:00 PM

Lab ID: 2107G19-054

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	550	60		mg/Kg	20	8/6/2021 6:29:34 PM	61808
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	8/4/2021 8:50:03 PM	61741
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/4/2021 8:50:03 PM	61741
Surr: DNOP	86.0	70-130		%Rec	1	8/4/2021 8:50:03 PM	61741
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/4/2021 12:42:00 AM	61730
Surr: BFB	105	70-130		%Rec	1	8/4/2021 12:42:00 AM	61730
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	8/4/2021 12:42:00 AM	61730
Toluene	ND	0.047		mg/Kg	1	8/4/2021 12:42:00 AM	61730
Ethylbenzene	ND	0.047		mg/Kg	1	8/4/2021 12:42:00 AM	61730
Xylenes, Total	ND	0.094		mg/Kg	1	8/4/2021 12:42:00 AM	61730
Surr: 4-Bromofluorobenzene	94.0	70-130		%Rec	1	8/4/2021 12:42:00 AM	61730

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

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

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-13/4'

Project: McCullar Property

Collection Date: 7/29/2021 1:25:00 PM

Lab ID: 2107G19-055

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	610	60		mg/Kg	20	8/6/2021 6:41:59 PM	61808
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	8/4/2021 9:02:25 PM	61741
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/4/2021 9:02:25 PM	61741
Surr: DNOP	98.9	70-130		%Rec	1	8/4/2021 9:02:25 PM	61741
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	8/4/2021 1:01:00 AM	61730
Surr: BFB	98.5	70-130		%Rec	1	8/4/2021 1:01:00 AM	61730
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.023		mg/Kg	1	8/4/2021 1:01:00 AM	61730
Toluene	ND	0.046		mg/Kg	1	8/4/2021 1:01:00 AM	61730
Ethylbenzene	ND	0.046		mg/Kg	1	8/4/2021 1:01:00 AM	61730
Xylenes, Total	ND	0.093		mg/Kg	1	8/4/2021 1:01:00 AM	61730
Surr: 4-Bromofluorobenzene	86.2	70-130		%Rec	1	8/4/2021 1:01:00 AM	61730

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

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

Page 50 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-1/0'

Project: McCullar Property

Collection Date: 7/29/2021 1:47:00 PM

Lab ID: 2107G19-056

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	830	61		mg/Kg	20	8/6/2021 6:54:24 PM	61808
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	8/5/2021 8:59:29 PM	61741
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/5/2021 8:59:29 PM	61741
Surr: DNOP	77.3	70-130		%Rec	1	8/5/2021 8:59:29 PM	61741
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/4/2021 2:01:00 AM	61730
Surr: BFB	99.5	70-130		%Rec	1	8/4/2021 2:01:00 AM	61730
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	8/4/2021 2:01:00 AM	61730
Toluene	ND	0.050		mg/Kg	1	8/4/2021 2:01:00 AM	61730
Ethylbenzene	ND	0.050		mg/Kg	1	8/4/2021 2:01:00 AM	61730
Xylenes, Total	ND	0.099		mg/Kg	1	8/4/2021 2:01:00 AM	61730
Surr: 4-Bromofluorobenzene	87.6	70-130		%Rec	1	8/4/2021 2:01:00 AM	61730

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

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

Page 51 of 132



## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-1/1'

Project: McCullar Property

Collection Date: 7/29/2021 1:55:00 PM

Lab ID: 2107G19-057

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	280	60		mg/Kg	20	8/6/2021 7:06:49 PM	61808
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	8/4/2021 9:27:11 PM	61741
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/4/2021 9:27:11 PM	61741
Surr: DNOP	83.4	70-130		%Rec	1	8/4/2021 9:27:11 PM	61741
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/4/2021 2:21:00 AM	61730
Surr: BFB	105	70-130		%Rec	1	8/4/2021 2:21:00 AM	61730
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	8/4/2021 2:21:00 AM	61730
Toluene	ND	0.050		mg/Kg	1	8/4/2021 2:21:00 AM	61730
Ethylbenzene	ND	0.050		mg/Kg	1	8/4/2021 2:21:00 AM	61730
Xylenes, Total	ND	0.10		mg/Kg	1	8/4/2021 2:21:00 AM	61730
Surr: 4-Bromofluorobenzene	93.0	70-130		%Rec	1	8/4/2021 2:21:00 AM	61730

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

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

Page 52 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-1/2'

Project: McCullar Property

Collection Date: 7/29/2021 1:58:00 PM

Lab ID: 2107G19-058

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	250	61		mg/Kg	20	8/6/2021 7:19:14 PM	61808
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	8/4/2021 9:39:40 PM	61741
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/4/2021 9:39:40 PM	61741
Surr: DNOP	98.8	70-130		%Rec	1	8/4/2021 9:39:40 PM	61741
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/4/2021 2:41:00 AM	61730
Surr: BFB	105	70-130		%Rec	1	8/4/2021 2:41:00 AM	61730
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.023		mg/Kg	1	8/4/2021 2:41:00 AM	61730
Toluene	ND	0.047		mg/Kg	1	8/4/2021 2:41:00 AM	61730
Ethylbenzene	ND	0.047		mg/Kg	1	8/4/2021 2:41:00 AM	61730
Xylenes, Total	ND	0.094		mg/Kg	1	8/4/2021 2:41:00 AM	61730
Surr: 4-Bromofluorobenzene	94.6	70-130		%Rec	1	8/4/2021 2:41:00 AM	61730

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

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

Page 53 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-1/3'

Project: McCullar Property

Collection Date: 7/29/2021 2:04:00 PM

Lab ID: 2107G19-059

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	180	60		mg/Kg	20	8/6/2021 7:31:39 PM	61808
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	8/4/2021 6:44:53 PM	61741
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/4/2021 6:44:53 PM	61741
Surr: DNOP	98.1	70-130		%Rec	1	8/4/2021 6:44:53 PM	61741
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/4/2021 3:01:00 AM	61730
Surr: BFB	109	70-130		%Rec	1	8/4/2021 3:01:00 AM	61730
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	8/4/2021 3:01:00 AM	61730
Toluene	ND	0.049		mg/Kg	1	8/4/2021 3:01:00 AM	61730
Ethylbenzene	ND	0.049		mg/Kg	1	8/4/2021 3:01:00 AM	61730
Xylenes, Total	ND	0.098		mg/Kg	1	8/4/2021 3:01:00 AM	61730
Surr: 4-Bromofluorobenzene	95.0	70-130		%Rec	1	8/4/2021 3:01:00 AM	61730

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

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

Page 54 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-1/4'

Project: McCullar Property

Collection Date: 7/29/2021 2:09:00 PM

Lab ID: 2107G19-060

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	280	60		mg/Kg	20	8/6/2021 8:08:52 PM	61808
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	8/4/2021 9:52:09 PM	61741
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/4/2021 9:52:09 PM	61741
Surr: DNOP	94.3	70-130		%Rec	1	8/4/2021 9:52:09 PM	61741
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/4/2021 3:21:00 AM	61730
Surr: BFB	109	70-130		%Rec	1	8/4/2021 3:21:00 AM	61730
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	8/4/2021 3:21:00 AM	61730
Toluene	ND	0.048		mg/Kg	1	8/4/2021 3:21:00 AM	61730
Ethylbenzene	ND	0.048		mg/Kg	1	8/4/2021 3:21:00 AM	61730
Xylenes, Total	ND	0.096		mg/Kg	1	8/4/2021 3:21:00 AM	61730
Surr: 4-Bromofluorobenzene	94.9	70-130		%Rec	1	8/4/2021 3:21:00 AM	61730

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

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

Page 55 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-2/0'

Project: McCullar Property

Collection Date: 7/29/2021 2:17:00 PM

Lab ID: 2107G19-061

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	3600	150		mg/Kg	50	8/9/2021 10:46:55 AM	61808
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	8/5/2021 8:34:34 PM	61741
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	8/5/2021 8:34:34 PM	61741
Surr: DNOP	90.7	70-130		%Rec	1	8/5/2021 8:34:34 PM	61741
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/4/2021 3:41:00 AM	61730
Surr: BFB	109	70-130		%Rec	1	8/4/2021 3:41:00 AM	61730
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.023		mg/Kg	1	8/4/2021 3:41:00 AM	61730
Toluene	ND	0.047		mg/Kg	1	8/4/2021 3:41:00 AM	61730
Ethylbenzene	ND	0.047		mg/Kg	1	8/4/2021 3:41:00 AM	61730
Xylenes, Total	ND	0.094		mg/Kg	1	8/4/2021 3:41:00 AM	61730
Surr: 4-Bromofluorobenzene	93.3	70-130		%Rec	1	8/4/2021 3:41:00 AM	61730

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

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

Page 56 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-2/1'

Project: McCullar Property

Collection Date: 7/29/2021 2:26:00 PM

Lab ID: 2107G19-062

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	340	60		mg/Kg	20	8/6/2021 6:30:32 AM	61794
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	8/4/2021 10:17:02 PM	61741
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/4/2021 10:17:02 PM	61741
Surr: DNOP	86.6	70-130		%Rec	1	8/4/2021 10:17:02 PM	61741
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/4/2021 4:01:00 AM	61730
Surr: BFB	111	70-130		%Rec	1	8/4/2021 4:01:00 AM	61730
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	8/4/2021 4:01:00 AM	61730
Toluene	ND	0.049		mg/Kg	1	8/4/2021 4:01:00 AM	61730
Ethylbenzene	ND	0.049		mg/Kg	1	8/4/2021 4:01:00 AM	61730
Xylenes, Total	ND	0.098		mg/Kg	1	8/4/2021 4:01:00 AM	61730
Surr: 4-Bromofluorobenzene	92.9	70-130		%Rec	1	8/4/2021 4:01:00 AM	61730

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

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

Page 57 of 132



## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-2/2'

Project: McCullar Property

Collection Date: 7/29/2021 2:32:00 PM

Lab ID: 2107G19-063

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	160	60		mg/Kg	20	8/6/2021 6:42:56 AM	61794
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	8/4/2021 10:29:30 PM	61741
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/4/2021 10:29:30 PM	61741
Surr: DNOP	99.2	70-130		%Rec	1	8/4/2021 10:29:30 PM	61741
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/4/2021 4:21:00 AM	61730
Surr: BFB	105	70-130		%Rec	1	8/4/2021 4:21:00 AM	61730
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	8/4/2021 4:21:00 AM	61730
Toluene	ND	0.050		mg/Kg	1	8/4/2021 4:21:00 AM	61730
Ethylbenzene	ND	0.050		mg/Kg	1	8/4/2021 4:21:00 AM	61730
Xylenes, Total	ND	0.10		mg/Kg	1	8/4/2021 4:21:00 AM	61730
Surr: 4-Bromofluorobenzene	92.9	70-130		%Rec	1	8/4/2021 4:21:00 AM	61730

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

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

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-2/3'

Project: McCullar Property

Collection Date: 7/29/2021 2:36:00 PM

Lab ID: 2107G19-064

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	300	60		mg/Kg	20	8/6/2021 6:55:21 AM	61794
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	8/5/2021 5:00:35 PM	61742
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/5/2021 5:00:35 PM	61742
Surr: DNOP	108	70-130		%Rec	1	8/5/2021 5:00:35 PM	61742
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/4/2021 4:41:00 AM	61730
Surr: BFB	107	70-130		%Rec	1	8/4/2021 4:41:00 AM	61730
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	8/4/2021 4:41:00 AM	61730
Toluene	ND	0.049		mg/Kg	1	8/4/2021 4:41:00 AM	61730
Ethylbenzene	ND	0.049		mg/Kg	1	8/4/2021 4:41:00 AM	61730
Xylenes, Total	ND	0.097		mg/Kg	1	8/4/2021 4:41:00 AM	61730
Surr: 4-Bromofluorobenzene	92.7	70-130		%Rec	1	8/4/2021 4:41:00 AM	61730

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

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

Page 59 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-2/4'

Project: McCullar Property

Collection Date: 7/29/2021 2:39:00 PM

Lab ID: 2107G19-065

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	240	61		mg/Kg	20	8/6/2021 7:07:45 AM	61794
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	8/5/2021 6:13:46 PM	61742
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/5/2021 6:13:46 PM	61742
Surr: DNOP	94.2	70-130		%Rec	1	8/5/2021 6:13:46 PM	61742
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/4/2021 5:01:00 AM	61730
Surr: BFB	108	70-130		%Rec	1	8/4/2021 5:01:00 AM	61730
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	8/4/2021 5:01:00 AM	61730
Toluene	ND	0.049		mg/Kg	1	8/4/2021 5:01:00 AM	61730
Ethylbenzene	ND	0.049		mg/Kg	1	8/4/2021 5:01:00 AM	61730
Xylenes, Total	ND	0.097		mg/Kg	1	8/4/2021 5:01:00 AM	61730
Surr: 4-Bromofluorobenzene	92.4	70-130		%Rec	1	8/4/2021 5:01:00 AM	61730

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

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

Page 60 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-3/0'

Project: McCullar Property

Collection Date: 7/29/2021 3:04:00 PM

Lab ID: 2107G19-066

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	2600	150		mg/Kg	50	8/9/2021 10:59:19 AM	61794
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: <b>JMR</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/3/2021 2:21:07 PM	61732
Surr: BFB	98.0	70-130		%Rec	1	8/3/2021 2:21:07 PM	61732
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	16	9.4		mg/Kg	1	8/9/2021 3:08:47 PM	61742
Motor Oil Range Organics (MRO)	56	47		mg/Kg	1	8/9/2021 3:08:47 PM	61742
Surr: DNOP	95.4	70-130		%Rec	1	8/9/2021 3:08:47 PM	61742
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: <b>JMR</b>
Benzene	ND	0.025		mg/Kg	1	8/3/2021 2:21:07 PM	61732
Toluene	ND	0.050		mg/Kg	1	8/3/2021 2:21:07 PM	61732
Ethylbenzene	ND	0.050		mg/Kg	1	8/3/2021 2:21:07 PM	61732
Xylenes, Total	ND	0.10		mg/Kg	1	8/3/2021 2:21:07 PM	61732
Surr: 1,2-Dichloroethane-d4	98.5	70-130		%Rec	1	8/3/2021 2:21:07 PM	61732
Surr: 4-Bromofluorobenzene	96.4	70-130		%Rec	1	8/3/2021 2:21:07 PM	61732
Surr: Dibromofluoromethane	98.4	70-130		%Rec	1	8/3/2021 2:21:07 PM	61732
Surr: Toluene-d8	105	70-130		%Rec	1	8/3/2021 2:21:07 PM	61732

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

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

Page 61 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-3/1'

Project: McCullar Property

Collection Date: 7/29/2021 3:09:00 PM

Lab ID: 2107G19-067

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	730	60		mg/Kg	20	8/6/2021 3:42:52 PM	61813
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: <b>JMR</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/3/2021 3:47:22 PM	61732
Surr: BFB	96.6	70-130		%Rec	1	8/3/2021 3:47:22 PM	61732
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	8/5/2021 7:02:31 PM	61742
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/5/2021 7:02:31 PM	61742
Surr: DNOP	85.7	70-130		%Rec	1	8/5/2021 7:02:31 PM	61742
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: <b>JMR</b>
Benzene	ND	0.025		mg/Kg	1	8/3/2021 3:47:22 PM	61732
Toluene	ND	0.049		mg/Kg	1	8/3/2021 3:47:22 PM	61732
Ethylbenzene	ND	0.049		mg/Kg	1	8/3/2021 3:47:22 PM	61732
Xylenes, Total	ND	0.098		mg/Kg	1	8/3/2021 3:47:22 PM	61732
Surr: 1,2-Dichloroethane-d4	94.8	70-130		%Rec	1	8/3/2021 3:47:22 PM	61732
Surr: 4-Bromofluorobenzene	96.0	70-130		%Rec	1	8/3/2021 3:47:22 PM	61732
Surr: Dibromofluoromethane	97.8	70-130		%Rec	1	8/3/2021 3:47:22 PM	61732
Surr: Toluene-d8	105	70-130		%Rec	1	8/3/2021 3:47:22 PM	61732

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

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

Page 62 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-3/2'

Project: McCullar Property

Collection Date: 7/29/2021 3:16:00 PM

Lab ID: 2107G19-068

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	1600	60		mg/Kg	20	8/6/2021 3:55:16 PM	61813
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: <b>JMR</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/3/2021 5:13:37 PM	61732
Surr: BFB	97.3	70-130		%Rec	1	8/3/2021 5:13:37 PM	61732
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	8/5/2021 7:26:55 PM	61742
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/5/2021 7:26:55 PM	61742
Surr: DNOP	87.8	70-130		%Rec	1	8/5/2021 7:26:55 PM	61742
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: <b>JMR</b>
Benzene	ND	0.024		mg/Kg	1	8/3/2021 5:13:37 PM	61732
Toluene	ND	0.049		mg/Kg	1	8/3/2021 5:13:37 PM	61732
Ethylbenzene	ND	0.049		mg/Kg	1	8/3/2021 5:13:37 PM	61732
Xylenes, Total	ND	0.097		mg/Kg	1	8/3/2021 5:13:37 PM	61732
Surr: 1,2-Dichloroethane-d4	97.1	70-130		%Rec	1	8/3/2021 5:13:37 PM	61732
Surr: 4-Bromofluorobenzene	98.1	70-130		%Rec	1	8/3/2021 5:13:37 PM	61732
Surr: Dibromofluoromethane	98.8	70-130		%Rec	1	8/3/2021 5:13:37 PM	61732
Surr: Toluene-d8	105	70-130		%Rec	1	8/3/2021 5:13:37 PM	61732

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

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

Page 63 of 132



## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-3/3'

Project: McCullar Property

Collection Date: 7/29/2021 3:21:00 PM

Lab ID: 2107G19-069

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	240	60		mg/Kg	20	8/6/2021 5:22:07 PM	61813
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: <b>JMR</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/3/2021 5:42:21 PM	61732
Surr: BFB	95.3	70-130		%Rec	1	8/3/2021 5:42:21 PM	61732
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	8/5/2021 7:51:05 PM	61742
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/5/2021 7:51:05 PM	61742
Surr: DNOP	88.8	70-130		%Rec	1	8/5/2021 7:51:05 PM	61742
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: <b>JMR</b>
Benzene	ND	0.025		mg/Kg	1	8/3/2021 5:42:21 PM	61732
Toluene	ND	0.049		mg/Kg	1	8/3/2021 5:42:21 PM	61732
Ethylbenzene	ND	0.049		mg/Kg	1	8/3/2021 5:42:21 PM	61732
Xylenes, Total	ND	0.098		mg/Kg	1	8/3/2021 5:42:21 PM	61732
Surr: 1,2-Dichloroethane-d4	94.0	70-130		%Rec	1	8/3/2021 5:42:21 PM	61732
Surr: 4-Bromofluorobenzene	98.4	70-130		%Rec	1	8/3/2021 5:42:21 PM	61732
Surr: Dibromofluoromethane	96.7	70-130		%Rec	1	8/3/2021 5:42:21 PM	61732
Surr: Toluene-d8	105	70-130		%Rec	1	8/3/2021 5:42:21 PM	61732

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

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

Page 64 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-3/4'

Project: McCullar Property

Collection Date: 7/29/2021 3:27:00 PM

Lab ID: 2107G19-070

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	140	60		mg/Kg	20	8/6/2021 5:34:32 PM	61813
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: <b>JMR</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/3/2021 6:11:02 PM	61732
Surr: BFB	94.1	70-130		%Rec	1	8/3/2021 6:11:02 PM	61732
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	8/5/2021 8:15:32 PM	61742
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/5/2021 8:15:32 PM	61742
Surr: DNOP	89.8	70-130		%Rec	1	8/5/2021 8:15:32 PM	61742
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: <b>JMR</b>
Benzene	ND	0.024		mg/Kg	1	8/3/2021 6:11:02 PM	61732
Toluene	ND	0.048		mg/Kg	1	8/3/2021 6:11:02 PM	61732
Ethylbenzene	ND	0.048		mg/Kg	1	8/3/2021 6:11:02 PM	61732
Xylenes, Total	ND	0.095		mg/Kg	1	8/3/2021 6:11:02 PM	61732
Surr: 1,2-Dichloroethane-d4	96.6	70-130		%Rec	1	8/3/2021 6:11:02 PM	61732
Surr: 4-Bromofluorobenzene	95.6	70-130		%Rec	1	8/3/2021 6:11:02 PM	61732
Surr: Dibromofluoromethane	98.9	70-130		%Rec	1	8/3/2021 6:11:02 PM	61732
Surr: Toluene-d8	100	70-130		%Rec	1	8/3/2021 6:11:02 PM	61732

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

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

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-4/0'

Project: McCullar Property

Collection Date: 7/29/2021 3:37:00 PM

Lab ID: 2107G19-071

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	960	60		mg/Kg	20	8/6/2021 5:46:57 PM	61813
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: <b>JMR</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/3/2021 6:39:46 PM	61732
Surr: BFB	96.1	70-130		%Rec	1	8/3/2021 6:39:46 PM	61732
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	8/10/2021 10:01:54 AM	61862
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	8/10/2021 10:01:54 AM	61862
Surr: DNOP	90.7	70-130		%Rec	1	8/10/2021 10:01:54 AM	61862
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: <b>JMR</b>
Benzene	ND	0.025		mg/Kg	1	8/3/2021 6:39:46 PM	61732
Toluene	ND	0.049		mg/Kg	1	8/3/2021 6:39:46 PM	61732
Ethylbenzene	ND	0.049		mg/Kg	1	8/3/2021 6:39:46 PM	61732
Xylenes, Total	ND	0.098		mg/Kg	1	8/3/2021 6:39:46 PM	61732
Surr: 1,2-Dichloroethane-d4	98.5	70-130		%Rec	1	8/3/2021 6:39:46 PM	61732
Surr: 4-Bromofluorobenzene	95.0	70-130		%Rec	1	8/3/2021 6:39:46 PM	61732
Surr: Dibromofluoromethane	101	70-130		%Rec	1	8/3/2021 6:39:46 PM	61732
Surr: Toluene-d8	105	70-130		%Rec	1	8/3/2021 6:39:46 PM	61732

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

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

Page 66 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-4/1'

Project: McCullar Property

Collection Date: 7/29/2021 3:43:00 PM

Lab ID: 2107G19-072

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	420	60		mg/Kg	20	8/6/2021 5:59:21 PM	61813
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: <b>JMR</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/3/2021 7:08:27 PM	61732
Surr: BFB	96.5	70-130		%Rec	1	8/3/2021 7:08:27 PM	61732
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	8/5/2021 9:04:14 PM	61742
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/5/2021 9:04:14 PM	61742
Surr: DNOP	85.7	70-130		%Rec	1	8/5/2021 9:04:14 PM	61742
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: <b>JMR</b>
Benzene	ND	0.024		mg/Kg	1	8/3/2021 7:08:27 PM	61732
Toluene	ND	0.048		mg/Kg	1	8/3/2021 7:08:27 PM	61732
Ethylbenzene	ND	0.048		mg/Kg	1	8/3/2021 7:08:27 PM	61732
Xylenes, Total	ND	0.097		mg/Kg	1	8/3/2021 7:08:27 PM	61732
Surr: 1,2-Dichloroethane-d4	97.4	70-130		%Rec	1	8/3/2021 7:08:27 PM	61732
Surr: 4-Bromofluorobenzene	95.0	70-130		%Rec	1	8/3/2021 7:08:27 PM	61732
Surr: Dibromofluoromethane	96.6	70-130		%Rec	1	8/3/2021 7:08:27 PM	61732
Surr: Toluene-d8	104	70-130		%Rec	1	8/3/2021 7:08:27 PM	61732

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

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

Page 67 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-4/2'

Project: McCullar Property

Collection Date: 7/29/2021 3:57:00 PM

Lab ID: 2107G19-073

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	180	60		mg/Kg	20	8/6/2021 6:11:46 PM	61813
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: <b>JMR</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/3/2021 7:37:10 PM	61732
Surr: BFB	95.8	70-130		%Rec	1	8/3/2021 7:37:10 PM	61732
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	8/5/2021 9:28:34 PM	61742
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/5/2021 9:28:34 PM	61742
Surr: DNOP	86.4	70-130		%Rec	1	8/5/2021 9:28:34 PM	61742
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: <b>JMR</b>
Benzene	ND	0.025		mg/Kg	1	8/3/2021 7:37:10 PM	61732
Toluene	ND	0.049		mg/Kg	1	8/3/2021 7:37:10 PM	61732
Ethylbenzene	ND	0.049		mg/Kg	1	8/3/2021 7:37:10 PM	61732
Xylenes, Total	ND	0.098		mg/Kg	1	8/3/2021 7:37:10 PM	61732
Surr: 1,2-Dichloroethane-d4	95.2	70-130		%Rec	1	8/3/2021 7:37:10 PM	61732
Surr: 4-Bromofluorobenzene	99.4	70-130		%Rec	1	8/3/2021 7:37:10 PM	61732
Surr: Dibromofluoromethane	98.4	70-130		%Rec	1	8/3/2021 7:37:10 PM	61732
Surr: Toluene-d8	101	70-130		%Rec	1	8/3/2021 7:37:10 PM	61732

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

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

Page 68 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-4/3'

Project: McCullar Property

Collection Date: 7/29/2021 4:05:00 PM

Lab ID: 2107G19-074

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	540	59		mg/Kg	20	8/6/2021 6:24:10 PM	61813
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: <b>JMR</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/3/2021 8:05:49 PM	61732
Surr: BFB	97.3	70-130		%Rec	1	8/3/2021 8:05:49 PM	61732
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	8/5/2021 9:52:54 PM	61742
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	8/5/2021 9:52:54 PM	61742
Surr: DNOP	91.8	70-130		%Rec	1	8/5/2021 9:52:54 PM	61742
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: <b>JMR</b>
Benzene	ND	0.024		mg/Kg	1	8/3/2021 8:05:49 PM	61732
Toluene	ND	0.048		mg/Kg	1	8/3/2021 8:05:49 PM	61732
Ethylbenzene	ND	0.048		mg/Kg	1	8/3/2021 8:05:49 PM	61732
Xylenes, Total	ND	0.096		mg/Kg	1	8/3/2021 8:05:49 PM	61732
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	1	8/3/2021 8:05:49 PM	61732
Surr: 4-Bromofluorobenzene	99.5	70-130		%Rec	1	8/3/2021 8:05:49 PM	61732
Surr: Dibromofluoromethane	99.1	70-130		%Rec	1	8/3/2021 8:05:49 PM	61732
Surr: Toluene-d8	103	70-130		%Rec	1	8/3/2021 8:05:49 PM	61732

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

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

Page 69 of 132



## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-4/4'

Project: McCullar Property

Collection Date: 7/29/2021 4:19:00 PM

Lab ID: 2107G19-075

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	580	60		mg/Kg	20	8/6/2021 7:01:23 PM	61813
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: <b>JMR</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/3/2021 8:34:28 PM	61732
Surr: BFB	98.6	70-130		%Rec	1	8/3/2021 8:34:28 PM	61732
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	8/5/2021 9:24:42 PM	61742
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/5/2021 9:24:42 PM	61742
Surr: DNOP	115	70-130		%Rec	1	8/5/2021 9:24:42 PM	61742
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: <b>JMR</b>
Benzene	ND	0.024		mg/Kg	1	8/3/2021 8:34:28 PM	61732
Toluene	ND	0.048		mg/Kg	1	8/3/2021 8:34:28 PM	61732
Ethylbenzene	ND	0.048		mg/Kg	1	8/3/2021 8:34:28 PM	61732
Xylenes, Total	ND	0.096		mg/Kg	1	8/3/2021 8:34:28 PM	61732
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	1	8/3/2021 8:34:28 PM	61732
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	8/3/2021 8:34:28 PM	61732
Surr: Dibromofluoromethane	98.4	70-130		%Rec	1	8/3/2021 8:34:28 PM	61732
Surr: Toluene-d8	104	70-130		%Rec	1	8/3/2021 8:34:28 PM	61732

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

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

Page 70 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-5/0'

Project: McCullar Property

Collection Date: 7/29/2021 4:26:00 PM

Lab ID: 2107G19-076

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	4500	150		mg/Kg	50	8/9/2021 11:11:44 AM	61813
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: <b>JMR</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	8/3/2021 9:03:03 PM	61732
Surr: BFB	100	70-130		%Rec	1	8/3/2021 9:03:03 PM	61732
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	8.8		mg/Kg	1	8/9/2021 3:34:31 PM	61742
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	8/9/2021 3:34:31 PM	61742
Surr: DNOP	91.4	70-130		%Rec	1	8/9/2021 3:34:31 PM	61742
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: <b>JMR</b>
Benzene	ND	0.023		mg/Kg	1	8/3/2021 9:03:03 PM	61732
Toluene	ND	0.046		mg/Kg	1	8/3/2021 9:03:03 PM	61732
Ethylbenzene	ND	0.046		mg/Kg	1	8/3/2021 9:03:03 PM	61732
Xylenes, Total	ND	0.093		mg/Kg	1	8/3/2021 9:03:03 PM	61732
Surr: 1,2-Dichloroethane-d4	99.9	70-130		%Rec	1	8/3/2021 9:03:03 PM	61732
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	8/3/2021 9:03:03 PM	61732
Surr: Dibromofluoromethane	101	70-130		%Rec	1	8/3/2021 9:03:03 PM	61732
Surr: Toluene-d8	104	70-130		%Rec	1	8/3/2021 9:03:03 PM	61732

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

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

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-5/1'

Project: McCullar Property

Collection Date: 7/29/2021 4:31:00 PM

Lab ID: 2107G19-077

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	790	60		mg/Kg	20	8/6/2021 7:26:12 PM	61813
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: <b>JMR</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/3/2021 9:31:36 PM	61732
Surr: BFB	98.9	70-130		%Rec	1	8/3/2021 9:31:36 PM	61732
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	8/5/2021 9:49:57 PM	61742
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/5/2021 9:49:57 PM	61742
Surr: DNOP	99.1	70-130		%Rec	1	8/5/2021 9:49:57 PM	61742
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: <b>JMR</b>
Benzene	ND	0.024		mg/Kg	1	8/3/2021 9:31:36 PM	61732
Toluene	ND	0.049		mg/Kg	1	8/3/2021 9:31:36 PM	61732
Ethylbenzene	ND	0.049		mg/Kg	1	8/3/2021 9:31:36 PM	61732
Xylenes, Total	ND	0.098		mg/Kg	1	8/3/2021 9:31:36 PM	61732
Surr: 1,2-Dichloroethane-d4	97.6	70-130		%Rec	1	8/3/2021 9:31:36 PM	61732
Surr: 4-Bromofluorobenzene	97.1	70-130		%Rec	1	8/3/2021 9:31:36 PM	61732
Surr: Dibromofluoromethane	97.6	70-130		%Rec	1	8/3/2021 9:31:36 PM	61732
Surr: Toluene-d8	105	70-130		%Rec	1	8/3/2021 9:31:36 PM	61732

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

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

Page 72 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-5/2'

Project: McCullar Property

Collection Date: 7/29/2021 4:37:00 PM

Lab ID: 2107G19-078

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	420	60		mg/Kg	20	8/6/2021 7:38:37 PM	61813
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: <b>JMR</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/3/2021 10:00:13 PM	61732
Surr: BFB	97.2	70-130		%Rec	1	8/3/2021 10:00:13 PM	61732
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	8/5/2021 10:02:40 PM	61742
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/5/2021 10:02:40 PM	61742
Surr: DNOP	101	70-130		%Rec	1	8/5/2021 10:02:40 PM	61742
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: <b>JMR</b>
Benzene	ND	0.024		mg/Kg	1	8/3/2021 10:00:13 PM	61732
Toluene	ND	0.048		mg/Kg	1	8/3/2021 10:00:13 PM	61732
Ethylbenzene	ND	0.048		mg/Kg	1	8/3/2021 10:00:13 PM	61732
Xylenes, Total	ND	0.096		mg/Kg	1	8/3/2021 10:00:13 PM	61732
Surr: 1,2-Dichloroethane-d4	98.1	70-130		%Rec	1	8/3/2021 10:00:13 PM	61732
Surr: 4-Bromofluorobenzene	96.9	70-130		%Rec	1	8/3/2021 10:00:13 PM	61732
Surr: Dibromofluoromethane	96.7	70-130		%Rec	1	8/3/2021 10:00:13 PM	61732
Surr: Toluene-d8	102	70-130		%Rec	1	8/3/2021 10:00:13 PM	61732

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

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

Page 73 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-5/3'

Project: McCullar Property

Collection Date: 7/29/2021 4:42:00 PM

Lab ID: 2107G19-079

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	260	60		mg/Kg	20	8/6/2021 7:51:01 PM	61813
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: <b>JMR</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/3/2021 10:28:48 PM	61732
Surr: BFB	98.0	70-130		%Rec	1	8/3/2021 10:28:48 PM	61732
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	8/5/2021 10:15:10 PM	61742
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/5/2021 10:15:10 PM	61742
Surr: DNOP	102	70-130		%Rec	1	8/5/2021 10:15:10 PM	61742
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: <b>JMR</b>
Benzene	ND	0.024		mg/Kg	1	8/3/2021 10:28:48 PM	61732
Toluene	ND	0.049		mg/Kg	1	8/3/2021 10:28:48 PM	61732
Ethylbenzene	ND	0.049		mg/Kg	1	8/3/2021 10:28:48 PM	61732
Xylenes, Total	ND	0.097		mg/Kg	1	8/3/2021 10:28:48 PM	61732
Surr: 1,2-Dichloroethane-d4	99.7	70-130		%Rec	1	8/3/2021 10:28:48 PM	61732
Surr: 4-Bromofluorobenzene	97.8	70-130		%Rec	1	8/3/2021 10:28:48 PM	61732
Surr: Dibromofluoromethane	101	70-130		%Rec	1	8/3/2021 10:28:48 PM	61732
Surr: Toluene-d8	102	70-130		%Rec	1	8/3/2021 10:28:48 PM	61732

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

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

Page 74 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-5/4'

Project: McCullar Property

Collection Date: 7/29/2021 4:50:00 PM

Lab ID: 2107G19-080

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	1200	60		mg/Kg	20	8/6/2021 8:03:25 PM	61813
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: <b>JMR</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/3/2021 10:57:26 PM	61732
Surr: BFB	95.7	70-130		%Rec	1	8/3/2021 10:57:26 PM	61732
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	8/6/2021 4:28:22 PM	61742
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/6/2021 4:28:22 PM	61742
Surr: DNOP	88.7	70-130		%Rec	1	8/6/2021 4:28:22 PM	61742
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: <b>JMR</b>
Benzene	ND	0.024		mg/Kg	1	8/3/2021 10:57:26 PM	61732
Toluene	ND	0.048		mg/Kg	1	8/3/2021 10:57:26 PM	61732
Ethylbenzene	ND	0.048		mg/Kg	1	8/3/2021 10:57:26 PM	61732
Xylenes, Total	ND	0.096		mg/Kg	1	8/3/2021 10:57:26 PM	61732
Surr: 1,2-Dichloroethane-d4	97.7	70-130		%Rec	1	8/3/2021 10:57:26 PM	61732
Surr: 4-Bromofluorobenzene	98.5	70-130		%Rec	1	8/3/2021 10:57:26 PM	61732
Surr: Dibromofluoromethane	99.7	70-130		%Rec	1	8/3/2021 10:57:26 PM	61732
Surr: Toluene-d8	99.3	70-130		%Rec	1	8/3/2021 10:57:26 PM	61732

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

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



## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-6/0'

Project: McCullar Property

Collection Date: 7/30/2021 6:26:00 AM

Lab ID: 2107G19-081

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	3500	150		mg/Kg	50	8/9/2021 11:24:08 AM	61813
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: <b>JMR</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	8/4/2021 1:49:01 AM	61732
Surr: BFB	96.9	70-130		%Rec	1	8/4/2021 1:49:01 AM	61732
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	8/6/2021 4:52:27 PM	61742
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/6/2021 4:52:27 PM	61742
Surr: DNOP	82.7	70-130		%Rec	1	8/6/2021 4:52:27 PM	61742
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: <b>JMR</b>
Benzene	ND	0.023		mg/Kg	1	8/4/2021 1:49:01 AM	61732
Toluene	ND	0.046		mg/Kg	1	8/4/2021 1:49:01 AM	61732
Ethylbenzene	ND	0.046		mg/Kg	1	8/4/2021 1:49:01 AM	61732
Xylenes, Total	ND	0.091		mg/Kg	1	8/4/2021 1:49:01 AM	61732
Surr: 1,2-Dichloroethane-d4	96.6	70-130		%Rec	1	8/4/2021 1:49:01 AM	61732
Surr: 4-Bromofluorobenzene	98.9	70-130		%Rec	1	8/4/2021 1:49:01 AM	61732
Surr: Dibromofluoromethane	97.2	70-130		%Rec	1	8/4/2021 1:49:01 AM	61732
Surr: Toluene-d8	103	70-130		%Rec	1	8/4/2021 1:49:01 AM	61732

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

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

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-6/1'

Project: McCullar Property

Collection Date: 7/30/2021 6:34:00 AM

Lab ID: 2107G19-082

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	1200	60		mg/Kg	20	8/6/2021 8:28:14 PM	61813
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: <b>JMR</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/4/2021 2:17:39 AM	61732
Surr: BFB	96.4	70-130		%Rec	1	8/4/2021 2:17:39 AM	61732
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	8/6/2021 1:07:18 AM	61742
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/6/2021 1:07:18 AM	61742
Surr: DNOP	71.5	70-130		%Rec	1	8/6/2021 1:07:18 AM	61742
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: <b>JMR</b>
Benzene	ND	0.024		mg/Kg	1	8/4/2021 2:17:39 AM	61732
Toluene	ND	0.048		mg/Kg	1	8/4/2021 2:17:39 AM	61732
Ethylbenzene	ND	0.048		mg/Kg	1	8/4/2021 2:17:39 AM	61732
Xylenes, Total	ND	0.095		mg/Kg	1	8/4/2021 2:17:39 AM	61732
Surr: 1,2-Dichloroethane-d4	93.5	70-130		%Rec	1	8/4/2021 2:17:39 AM	61732
Surr: 4-Bromofluorobenzene	96.4	70-130		%Rec	1	8/4/2021 2:17:39 AM	61732
Surr: Dibromofluoromethane	96.5	70-130		%Rec	1	8/4/2021 2:17:39 AM	61732
Surr: Toluene-d8	102	70-130		%Rec	1	8/4/2021 2:17:39 AM	61732

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

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

Page 77 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-6/2'

Project: McCullar Property

Collection Date: 7/30/2021 6:42:00 AM

Lab ID: 2107G19-083

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	270	60		mg/Kg	20	8/6/2021 8:40:38 PM	61813
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: <b>JMR</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/4/2021 2:46:10 AM	61732
Surr: BFB	96.3	70-130		%Rec	1	8/4/2021 2:46:10 AM	61732
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	8/6/2021 1:19:45 AM	61742
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/6/2021 1:19:45 AM	61742
Surr: DNOP	76.6	70-130		%Rec	1	8/6/2021 1:19:45 AM	61742
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: <b>JMR</b>
Benzene	ND	0.024		mg/Kg	1	8/4/2021 2:46:10 AM	61732
Toluene	ND	0.048		mg/Kg	1	8/4/2021 2:46:10 AM	61732
Ethylbenzene	ND	0.048		mg/Kg	1	8/4/2021 2:46:10 AM	61732
Xylenes, Total	ND	0.096		mg/Kg	1	8/4/2021 2:46:10 AM	61732
Surr: 1,2-Dichloroethane-d4	97.8	70-130		%Rec	1	8/4/2021 2:46:10 AM	61732
Surr: 4-Bromofluorobenzene	99.8	70-130		%Rec	1	8/4/2021 2:46:10 AM	61732
Surr: Dibromofluoromethane	101	70-130		%Rec	1	8/4/2021 2:46:10 AM	61732
Surr: Toluene-d8	101	70-130		%Rec	1	8/4/2021 2:46:10 AM	61732

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

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

Page 78 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-6/3'

Project: McCullar Property

Collection Date: 7/30/2021 6:48:00 AM

Lab ID: 2107G19-084

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	350	60		mg/Kg	20	8/6/2021 8:53:02 PM	61813
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: <b>JMR</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/4/2021 3:14:46 AM	61732
Surr: BFB	96.6	70-130		%Rec	1	8/4/2021 3:14:46 AM	61732
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	8/4/2021 6:03:06 PM	61752
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/4/2021 6:03:06 PM	61752
Surr: DNOP	136	70-130	S	%Rec	1	8/4/2021 6:03:06 PM	61752
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: <b>JMR</b>
Benzene	ND	0.024		mg/Kg	1	8/4/2021 3:14:46 AM	61732
Toluene	ND	0.047		mg/Kg	1	8/4/2021 3:14:46 AM	61732
Ethylbenzene	ND	0.047		mg/Kg	1	8/4/2021 3:14:46 AM	61732
Xylenes, Total	ND	0.095		mg/Kg	1	8/4/2021 3:14:46 AM	61732
Surr: 1,2-Dichloroethane-d4	97.0	70-130		%Rec	1	8/4/2021 3:14:46 AM	61732
Surr: 4-Bromofluorobenzene	98.8	70-130		%Rec	1	8/4/2021 3:14:46 AM	61732
Surr: Dibromofluoromethane	101	70-130		%Rec	1	8/4/2021 3:14:46 AM	61732
Surr: Toluene-d8	104	70-130		%Rec	1	8/4/2021 3:14:46 AM	61732

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

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

Page 79 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-6/4'

Project: McCullar Property

Collection Date: 7/30/2021 6:54:00 AM

Lab ID: 2107G19-085

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	280	60		mg/Kg	20	8/6/2021 9:30:16 PM	61813
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: <b>JMR</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/4/2021 3:43:17 AM	61732
Surr: BFB	94.9	70-130		%Rec	1	8/4/2021 3:43:17 AM	61732
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	8/4/2021 7:16:16 PM	61752
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/4/2021 7:16:16 PM	61752
Surr: DNOP	118	70-130		%Rec	1	8/4/2021 7:16:16 PM	61752
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: <b>JMR</b>
Benzene	ND	0.024		mg/Kg	1	8/4/2021 3:43:17 AM	61732
Toluene	ND	0.047		mg/Kg	1	8/4/2021 3:43:17 AM	61732
Ethylbenzene	ND	0.047		mg/Kg	1	8/4/2021 3:43:17 AM	61732
Xylenes, Total	ND	0.095		mg/Kg	1	8/4/2021 3:43:17 AM	61732
Surr: 1,2-Dichloroethane-d4	94.9	70-130		%Rec	1	8/4/2021 3:43:17 AM	61732
Surr: 4-Bromofluorobenzene	94.4	70-130		%Rec	1	8/4/2021 3:43:17 AM	61732
Surr: Dibromofluoromethane	100	70-130		%Rec	1	8/4/2021 3:43:17 AM	61732
Surr: Toluene-d8	102	70-130		%Rec	1	8/4/2021 3:43:17 AM	61732

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

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

Page 80 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-7/0'

Project: McCullar Property

Collection Date: 7/30/2021 7:02:00 AM

Lab ID: 2107G19-086

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	3500	150		mg/Kg	50	8/9/2021 12:01:21 PM	61813
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	8/6/2021 12:06:19 AM	61752
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/6/2021 12:06:19 AM	61752
Surr: DNOP	131	70-130	S	%Rec	1	8/6/2021 12:06:19 AM	61752
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/4/2021 10:30:00 AM	61744
Surr: BFB	98.6	70-130		%Rec	1	8/4/2021 10:30:00 AM	61744
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	8/4/2021 10:30:00 AM	61744
Toluene	ND	0.049		mg/Kg	1	8/4/2021 10:30:00 AM	61744
Ethylbenzene	ND	0.049		mg/Kg	1	8/4/2021 10:30:00 AM	61744
Xylenes, Total	ND	0.098		mg/Kg	1	8/4/2021 10:30:00 AM	61744
Surr: 4-Bromofluorobenzene	85.8	70-130		%Rec	1	8/4/2021 10:30:00 AM	61744

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

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



## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-7/1'

Project: McCullar Property

Collection Date: 7/30/2021 7:09:00 AM

Lab ID: 2107G19-087

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	570	59		mg/Kg	20	8/6/2021 10:19:53 PM	61817
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	8/4/2021 7:40:35 PM	61752
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/4/2021 7:40:35 PM	61752
Surr: DNOP	99.1	70-130		%Rec	1	8/4/2021 7:40:35 PM	61752
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/4/2021 11:30:00 AM	61744
Surr: BFB	99.6	70-130		%Rec	1	8/4/2021 11:30:00 AM	61744
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	8/4/2021 11:30:00 AM	61744
Toluene	ND	0.050		mg/Kg	1	8/4/2021 11:30:00 AM	61744
Ethylbenzene	ND	0.050		mg/Kg	1	8/4/2021 11:30:00 AM	61744
Xylenes, Total	ND	0.099		mg/Kg	1	8/4/2021 11:30:00 AM	61744
Surr: 4-Bromofluorobenzene	87.5	70-130		%Rec	1	8/4/2021 11:30:00 AM	61744

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

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

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-7/2'

Project: McCullar Property

Collection Date: 7/30/2021 7:18:00 AM

Lab ID: 2107G19-088

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	660	60		mg/Kg	20	8/6/2021 10:57:07 PM	61817
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	8/4/2021 8:04:53 PM	61752
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/4/2021 8:04:53 PM	61752
Surr: DNOP	101	70-130		%Rec	1	8/4/2021 8:04:53 PM	61752
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/4/2021 12:30:00 PM	61744
Surr: BFB	95.3	70-130		%Rec	1	8/4/2021 12:30:00 PM	61744
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	8/4/2021 12:30:00 PM	61744
Toluene	ND	0.049		mg/Kg	1	8/4/2021 12:30:00 PM	61744
Ethylbenzene	ND	0.049		mg/Kg	1	8/4/2021 12:30:00 PM	61744
Xylenes, Total	ND	0.098		mg/Kg	1	8/4/2021 12:30:00 PM	61744
Surr: 4-Bromofluorobenzene	83.6	70-130		%Rec	1	8/4/2021 12:30:00 PM	61744

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

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

Page 83 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-7/3'

Project: McCullar Property

Collection Date: 7/30/2021 7:25:00 AM

Lab ID: 2107G19-089

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	180	61		mg/Kg	20	8/6/2021 11:59:09 PM	61817
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	8/4/2021 8:29:06 PM	61752
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/4/2021 8:29:06 PM	61752
Surr: DNOP	106	70-130		%Rec	1	8/4/2021 8:29:06 PM	61752
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/4/2021 12:50:00 PM	61744
Surr: BFB	102	70-130		%Rec	1	8/4/2021 12:50:00 PM	61744
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	8/4/2021 12:50:00 PM	61744
Toluene	ND	0.049		mg/Kg	1	8/4/2021 12:50:00 PM	61744
Ethylbenzene	ND	0.049		mg/Kg	1	8/4/2021 12:50:00 PM	61744
Xylenes, Total	ND	0.097		mg/Kg	1	8/4/2021 12:50:00 PM	61744
Surr: 4-Bromofluorobenzene	90.3	70-130		%Rec	1	8/4/2021 12:50:00 PM	61744

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

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

Page 84 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-7/4'

Project: McCullar Property

Collection Date: 7/30/2021 7:37:00 AM

Lab ID: 2107G19-090

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	260	60		mg/Kg	20	8/7/2021 12:11:33 AM	61817
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	8/4/2021 8:53:24 PM	61752
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/4/2021 8:53:24 PM	61752
Surr: DNOP	112	70-130		%Rec	1	8/4/2021 8:53:24 PM	61752
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/4/2021 1:10:00 PM	61744
Surr: BFB	103	70-130		%Rec	1	8/4/2021 1:10:00 PM	61744
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	8/4/2021 1:10:00 PM	61744
Toluene	ND	0.049		mg/Kg	1	8/4/2021 1:10:00 PM	61744
Ethylbenzene	ND	0.049		mg/Kg	1	8/4/2021 1:10:00 PM	61744
Xylenes, Total	ND	0.099		mg/Kg	1	8/4/2021 1:10:00 PM	61744
Surr: 4-Bromofluorobenzene	92.2	70-130		%Rec	1	8/4/2021 1:10:00 PM	61744

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

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

Page 85 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-8/0'

Project: McCullar Property

Collection Date: 7/30/2021 7:44:00 AM

Lab ID: 2107G19-091

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	4700	150		mg/Kg	50	8/9/2021 12:13:46 PM	61817
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	8/4/2021 9:17:36 PM	61752
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/4/2021 9:17:36 PM	61752
Surr: DNOP	152	70-130	S	%Rec	1	8/4/2021 9:17:36 PM	61752
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/4/2021 1:30:00 PM	61744
Surr: BFB	98.3	70-130		%Rec	1	8/4/2021 1:30:00 PM	61744
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	8/4/2021 1:30:00 PM	61744
Toluene	ND	0.049		mg/Kg	1	8/4/2021 1:30:00 PM	61744
Ethylbenzene	ND	0.049		mg/Kg	1	8/4/2021 1:30:00 PM	61744
Xylenes, Total	ND	0.099		mg/Kg	1	8/4/2021 1:30:00 PM	61744
Surr: 4-Bromofluorobenzene	86.3	70-130		%Rec	1	8/4/2021 1:30:00 PM	61744

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

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

Page 86 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-8/1'

Project: McCullar Property

Collection Date: 7/30/2021 7:51:00 AM

Lab ID: 2107G19-092

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	630	60		mg/Kg	20	8/7/2021 12:36:22 AM	61817
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	8/4/2021 9:41:53 PM	61752
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/4/2021 9:41:53 PM	61752
Surr: DNOP	134	70-130	S	%Rec	1	8/4/2021 9:41:53 PM	61752
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/4/2021 1:50:00 PM	61744
Surr: BFB	106	70-130		%Rec	1	8/4/2021 1:50:00 PM	61744
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	8/4/2021 1:50:00 PM	61744
Toluene	ND	0.048		mg/Kg	1	8/4/2021 1:50:00 PM	61744
Ethylbenzene	ND	0.048		mg/Kg	1	8/4/2021 1:50:00 PM	61744
Xylenes, Total	ND	0.097		mg/Kg	1	8/4/2021 1:50:00 PM	61744
Surr: 4-Bromofluorobenzene	93.0	70-130		%Rec	1	8/4/2021 1:50:00 PM	61744

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

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

Page 87 of 132



## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-8/2'

Project: McCullar Property

Collection Date: 7/30/2021 7:59:00 AM

Lab ID: 2107G19-093

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	410	60		mg/Kg	20	8/7/2021 12:48:46 AM	61817
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	8/4/2021 10:06:10 PM	61752
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/4/2021 10:06:10 PM	61752
Surr: DNOP	104	70-130		%Rec	1	8/4/2021 10:06:10 PM	61752
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/4/2021 2:10:00 PM	61744
Surr: BFB	107	70-130		%Rec	1	8/4/2021 2:10:00 PM	61744
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	8/4/2021 2:10:00 PM	61744
Toluene	ND	0.049		mg/Kg	1	8/4/2021 2:10:00 PM	61744
Ethylbenzene	ND	0.049		mg/Kg	1	8/4/2021 2:10:00 PM	61744
Xylenes, Total	ND	0.099		mg/Kg	1	8/4/2021 2:10:00 PM	61744
Surr: 4-Bromofluorobenzene	93.0	70-130		%Rec	1	8/4/2021 2:10:00 PM	61744

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

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

Page 88 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-8/3'

Project: McCullar Property

Collection Date: 7/30/2021 8:06:00 AM

Lab ID: 2107G19-094

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	240	60		mg/Kg	20	8/7/2021 1:01:11 AM	61817
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	8/4/2021 10:30:34 PM	61752
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/4/2021 10:30:34 PM	61752
Surr: DNOP	99.6	70-130		%Rec	1	8/4/2021 10:30:34 PM	61752
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/4/2021 2:30:00 PM	61744
Surr: BFB	99.4	70-130		%Rec	1	8/4/2021 2:30:00 PM	61744
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	8/4/2021 2:30:00 PM	61744
Toluene	ND	0.049		mg/Kg	1	8/4/2021 2:30:00 PM	61744
Ethylbenzene	ND	0.049		mg/Kg	1	8/4/2021 2:30:00 PM	61744
Xylenes, Total	ND	0.099		mg/Kg	1	8/4/2021 2:30:00 PM	61744
Surr: 4-Bromofluorobenzene	88.1	70-130		%Rec	1	8/4/2021 2:30:00 PM	61744

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

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

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-8/4'

Project: McCullar Property

Collection Date: 7/30/2021 8:15:00 AM

Lab ID: 2107G19-095

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	270	60		mg/Kg	20	8/7/2021 1:13:35 AM	61817
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	8/4/2021 11:19:10 PM	61752
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/4/2021 11:19:10 PM	61752
Surr: DNOP	104	70-130		%Rec	1	8/4/2021 11:19:10 PM	61752
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/4/2021 2:50:00 PM	61744
Surr: BFB	102	70-130		%Rec	1	8/4/2021 2:50:00 PM	61744
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	8/4/2021 2:50:00 PM	61744
Toluene	ND	0.050		mg/Kg	1	8/4/2021 2:50:00 PM	61744
Ethylbenzene	ND	0.050		mg/Kg	1	8/4/2021 2:50:00 PM	61744
Xylenes, Total	ND	0.10		mg/Kg	1	8/4/2021 2:50:00 PM	61744
Surr: 4-Bromofluorobenzene	88.3	70-130		%Rec	1	8/4/2021 2:50:00 PM	61744

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

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

Page 90 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-9/0'

Project: McCullar Property

Collection Date: 7/30/2021 8:28:00 AM

Lab ID: 2107G19-096

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	2200	60		mg/Kg	20	8/7/2021 1:25:59 AM	61817
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	8/4/2021 11:43:24 PM	61752
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/4/2021 11:43:24 PM	61752
Surr: DNOP	101	70-130		%Rec	1	8/4/2021 11:43:24 PM	61752
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/4/2021 3:50:00 PM	61744
Surr: BFB	100	70-130		%Rec	1	8/4/2021 3:50:00 PM	61744
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	8/4/2021 3:50:00 PM	61744
Toluene	ND	0.049		mg/Kg	1	8/4/2021 3:50:00 PM	61744
Ethylbenzene	ND	0.049		mg/Kg	1	8/4/2021 3:50:00 PM	61744
Xylenes, Total	ND	0.099		mg/Kg	1	8/4/2021 3:50:00 PM	61744
Surr: 4-Bromofluorobenzene	86.1	70-130		%Rec	1	8/4/2021 3:50:00 PM	61744

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

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

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-9/1'

Project: McCullar Property

Collection Date: 7/30/2021 8:35:00 AM

Lab ID: 2107G19-097

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	630	60		mg/Kg	20	8/7/2021 1:38:23 AM	61817
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	8/5/2021 12:07:42 AM	61752
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/5/2021 12:07:42 AM	61752
Surr: DNOP	82.3	70-130		%Rec	1	8/5/2021 12:07:42 AM	61752
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/4/2021 4:10:00 PM	61744
Surr: BFB	101	70-130		%Rec	1	8/4/2021 4:10:00 PM	61744
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	8/4/2021 4:10:00 PM	61744
Toluene	ND	0.049		mg/Kg	1	8/4/2021 4:10:00 PM	61744
Ethylbenzene	ND	0.049		mg/Kg	1	8/4/2021 4:10:00 PM	61744
Xylenes, Total	ND	0.099		mg/Kg	1	8/4/2021 4:10:00 PM	61744
Surr: 4-Bromofluorobenzene	86.0	70-130		%Rec	1	8/4/2021 4:10:00 PM	61744

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

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

Page 92 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-9/2'

Project: McCullar Property

Collection Date: 7/30/2021 8:43:00 AM

Lab ID: 2107G19-098

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	230	60		mg/Kg	20	8/7/2021 1:50:47 AM	61817
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	8/5/2021 12:31:57 AM	61752
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/5/2021 12:31:57 AM	61752
Surr: DNOP	133	70-130	S	%Rec	1	8/5/2021 12:31:57 AM	61752
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/4/2021 4:30:00 PM	61744
Surr: BFB	98.0	70-130		%Rec	1	8/4/2021 4:30:00 PM	61744
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	8/4/2021 4:30:00 PM	61744
Toluene	ND	0.049		mg/Kg	1	8/4/2021 4:30:00 PM	61744
Ethylbenzene	ND	0.049		mg/Kg	1	8/4/2021 4:30:00 PM	61744
Xylenes, Total	ND	0.099		mg/Kg	1	8/4/2021 4:30:00 PM	61744
Surr: 4-Bromofluorobenzene	85.7	70-130		%Rec	1	8/4/2021 4:30:00 PM	61744

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

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

Page 93 of 132



## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-9/3'

Project: McCullar Property

Collection Date: 7/30/2021 8:50:00 AM

Lab ID: 2107G19-099

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	270	60		mg/Kg	20	8/7/2021 2:28:00 AM	61817
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	8/5/2021 12:56:20 AM	61752
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/5/2021 12:56:20 AM	61752
Surr: DNOP	108	70-130		%Rec	1	8/5/2021 12:56:20 AM	61752
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/4/2021 4:50:00 PM	61744
Surr: BFB	102	70-130		%Rec	1	8/4/2021 4:50:00 PM	61744
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	8/4/2021 4:50:00 PM	61744
Toluene	ND	0.048		mg/Kg	1	8/4/2021 4:50:00 PM	61744
Ethylbenzene	ND	0.048		mg/Kg	1	8/4/2021 4:50:00 PM	61744
Xylenes, Total	ND	0.097		mg/Kg	1	8/4/2021 4:50:00 PM	61744
Surr: 4-Bromofluorobenzene	86.1	70-130		%Rec	1	8/4/2021 4:50:00 PM	61744

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

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

Page 94 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-9/4'

Project: McCullar Property

Collection Date: 7/30/2021 8:58:00 AM

Lab ID: 2107G19-100

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	250	59		mg/Kg	20	8/7/2021 2:40:24 AM	61817
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	8/5/2021 1:20:34 AM	61752
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/5/2021 1:20:34 AM	61752
Surr: DNOP	78.2	70-130		%Rec	1	8/5/2021 1:20:34 AM	61752
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/4/2021 5:11:00 PM	61744
Surr: BFB	94.3	70-130		%Rec	1	8/4/2021 5:11:00 PM	61744
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	8/4/2021 5:11:00 PM	61744
Toluene	ND	0.047		mg/Kg	1	8/4/2021 5:11:00 PM	61744
Ethylbenzene	ND	0.047		mg/Kg	1	8/4/2021 5:11:00 PM	61744
Xylenes, Total	ND	0.095		mg/Kg	1	8/4/2021 5:11:00 PM	61744
Surr: 4-Bromofluorobenzene	85.0	70-130		%Rec	1	8/4/2021 5:11:00 PM	61744

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

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

Page 95 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-10/0'

Project: McCullar Property

Collection Date: 7/30/2021 9:03:00 AM

Lab ID: 2107G19-101

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	530	60		mg/Kg	20	8/7/2021 2:52:48 AM	61817
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	8/5/2021 1:44:51 AM	61752
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/5/2021 1:44:51 AM	61752
Surr: DNOP	114	70-130		%Rec	1	8/5/2021 1:44:51 AM	61752
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	8/4/2021 5:31:00 PM	61744
Surr: BFB	98.0	70-130		%Rec	1	8/4/2021 5:31:00 PM	61744
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.023		mg/Kg	1	8/4/2021 5:31:00 PM	61744
Toluene	ND	0.046		mg/Kg	1	8/4/2021 5:31:00 PM	61744
Ethylbenzene	ND	0.046		mg/Kg	1	8/4/2021 5:31:00 PM	61744
Xylenes, Total	ND	0.092		mg/Kg	1	8/4/2021 5:31:00 PM	61744
Surr: 4-Bromofluorobenzene	86.4	70-130		%Rec	1	8/4/2021 5:31:00 PM	61744

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

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

Page 96 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-10/1'

Project: McCullar Property

Collection Date: 7/30/2021 9:08:00 AM

Lab ID: 2107G19-102

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	610	60		mg/Kg	20	8/7/2021 3:05:13 AM	61817
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	8/5/2021 2:09:08 AM	61752
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/5/2021 2:09:08 AM	61752
Surr: DNOP	94.8	70-130		%Rec	1	8/5/2021 2:09:08 AM	61752
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/4/2021 5:51:00 PM	61744
Surr: BFB	99.5	70-130		%Rec	1	8/4/2021 5:51:00 PM	61744
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	8/4/2021 5:51:00 PM	61744
Toluene	ND	0.049		mg/Kg	1	8/4/2021 5:51:00 PM	61744
Ethylbenzene	ND	0.049		mg/Kg	1	8/4/2021 5:51:00 PM	61744
Xylenes, Total	ND	0.099		mg/Kg	1	8/4/2021 5:51:00 PM	61744
Surr: 4-Bromofluorobenzene	86.8	70-130		%Rec	1	8/4/2021 5:51:00 PM	61744

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

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

Page 97 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-10/2'

Project: McCullar Property

Collection Date: 7/30/2021 9:14:00 AM

Lab ID: 2107G19-103

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	200	59		mg/Kg	20	8/7/2021 3:17:37 AM	61817
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	8/5/2021 2:33:32 AM	61752
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/5/2021 2:33:32 AM	61752
Surr: DNOP	110	70-130		%Rec	1	8/5/2021 2:33:32 AM	61752
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/4/2021 6:11:00 PM	61744
Surr: BFB	108	70-130		%Rec	1	8/4/2021 6:11:00 PM	61744
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	8/4/2021 6:11:00 PM	61744
Toluene	ND	0.049		mg/Kg	1	8/4/2021 6:11:00 PM	61744
Ethylbenzene	ND	0.049		mg/Kg	1	8/4/2021 6:11:00 PM	61744
Xylenes, Total	ND	0.098		mg/Kg	1	8/4/2021 6:11:00 PM	61744
Surr: 4-Bromofluorobenzene	93.6	70-130		%Rec	1	8/4/2021 6:11:00 PM	61744

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

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

Page 98 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-10/3'

Project: McCullar Property

Collection Date: 7/30/2021 9:25:00 AM

Lab ID: 2107G19-104

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	160	60		mg/Kg	20	8/7/2021 3:30:02 AM	61817
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	8/5/2021 3:46:20 AM	61760
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	8/5/2021 3:46:20 AM	61760
Surr: DNOP	81.3	70-130		%Rec	1	8/5/2021 3:46:20 AM	61760
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/4/2021 6:31:00 PM	61744
Surr: BFB	108	70-130		%Rec	1	8/4/2021 6:31:00 PM	61744
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	8/4/2021 6:31:00 PM	61744
Toluene	ND	0.048		mg/Kg	1	8/4/2021 6:31:00 PM	61744
Ethylbenzene	ND	0.048		mg/Kg	1	8/4/2021 6:31:00 PM	61744
Xylenes, Total	ND	0.096		mg/Kg	1	8/4/2021 6:31:00 PM	61744
Surr: 4-Bromofluorobenzene	93.1	70-130		%Rec	1	8/4/2021 6:31:00 PM	61744

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

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

Page 99 of 132



## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-10/4'

Project: McCullar Property

Collection Date: 7/30/2021 9:34:00 AM

Lab ID: 2107G19-105

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	190	60		mg/Kg	20	8/7/2021 3:42:26 AM	61817
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	8/5/2021 4:59:07 AM	61760
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/5/2021 4:59:07 AM	61760
Surr: DNOP	91.6	70-130		%Rec	1	8/5/2021 4:59:07 AM	61760
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/4/2021 6:51:00 PM	61744
Surr: BFB	97.5	70-130		%Rec	1	8/4/2021 6:51:00 PM	61744
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	8/4/2021 6:51:00 PM	61744
Toluene	ND	0.048		mg/Kg	1	8/4/2021 6:51:00 PM	61744
Ethylbenzene	ND	0.048		mg/Kg	1	8/4/2021 6:51:00 PM	61744
Xylenes, Total	ND	0.097		mg/Kg	1	8/4/2021 6:51:00 PM	61744
Surr: 4-Bromofluorobenzene	84.8	70-130		%Rec	1	8/4/2021 6:51:00 PM	61744

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

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

Page 100 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-11/0'

Project: McCullar Property

Collection Date: 7/30/2021 9:39:00 AM

Lab ID: 2107G19-106

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	1400	60		mg/Kg	20	8/7/2021 3:54:50 AM	61817
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	8/5/2021 5:23:17 AM	61760
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/5/2021 5:23:17 AM	61760
Surr: DNOP	114	70-130		%Rec	1	8/5/2021 5:23:17 AM	61760
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/4/2021 8:51:00 PM	61755
Surr: BFB	99.8	70-130		%Rec	1	8/4/2021 8:51:00 PM	61755
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	8/4/2021 8:51:00 PM	61755
Toluene	ND	0.048		mg/Kg	1	8/4/2021 8:51:00 PM	61755
Ethylbenzene	ND	0.048		mg/Kg	1	8/4/2021 8:51:00 PM	61755
Xylenes, Total	ND	0.095		mg/Kg	1	8/4/2021 8:51:00 PM	61755
Surr: 4-Bromofluorobenzene	85.2	70-130		%Rec	1	8/4/2021 8:51:00 PM	61755

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

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

Page 101 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-11/1'

Project: McCullar Property

Collection Date: 7/30/2021 9:45:00 AM

Lab ID: 2107G19-107

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	110	60		mg/Kg	20	8/7/2021 4:56:53 AM	61826
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	8/5/2021 5:47:36 AM	61760
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/5/2021 5:47:36 AM	61760
Surr: DNOP	84.0	70-130		%Rec	1	8/5/2021 5:47:36 AM	61760
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/4/2021 9:51:00 PM	61755
Surr: BFB	97.2	70-130		%Rec	1	8/4/2021 9:51:00 PM	61755
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.023		mg/Kg	1	8/4/2021 9:51:00 PM	61755
Toluene	ND	0.047		mg/Kg	1	8/4/2021 9:51:00 PM	61755
Ethylbenzene	ND	0.047		mg/Kg	1	8/4/2021 9:51:00 PM	61755
Xylenes, Total	ND	0.094		mg/Kg	1	8/4/2021 9:51:00 PM	61755
Surr: 4-Bromofluorobenzene	86.2	70-130		%Rec	1	8/4/2021 9:51:00 PM	61755

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

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

Page 102 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-11/2'

Project: McCullar Property

Collection Date: 7/30/2021 9:51:00 AM

Lab ID: 2107G19-108

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	69	60		mg/Kg	20	8/7/2021 5:09:17 AM	61826
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	8/5/2021 6:11:48 AM	61760
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/5/2021 6:11:48 AM	61760
Surr: DNOP	144	70-130	S	%Rec	1	8/5/2021 6:11:48 AM	61760
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/4/2021 10:51:00 PM	61755
Surr: BFB	98.9	70-130		%Rec	1	8/4/2021 10:51:00 PM	61755
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	8/4/2021 10:51:00 PM	61755
Toluene	ND	0.048		mg/Kg	1	8/4/2021 10:51:00 PM	61755
Ethylbenzene	ND	0.048		mg/Kg	1	8/4/2021 10:51:00 PM	61755
Xylenes, Total	ND	0.096		mg/Kg	1	8/4/2021 10:51:00 PM	61755
Surr: 4-Bromofluorobenzene	86.1	70-130		%Rec	1	8/4/2021 10:51:00 PM	61755

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

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

Page 103 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-11/3'

Project: McCullar Property

Collection Date: 7/30/2021 9:57:00 AM

Lab ID: 2107G19-109

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	80	60		mg/Kg	20	8/7/2021 5:21:41 AM	61826
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	8/5/2021 6:36:02 AM	61760
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/5/2021 6:36:02 AM	61760
Surr: DNOP	88.8	70-130		%Rec	1	8/5/2021 6:36:02 AM	61760
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	8/4/2021 11:11:00 PM	61755
Surr: BFB	98.8	70-130		%Rec	1	8/4/2021 11:11:00 PM	61755
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.023		mg/Kg	1	8/4/2021 11:11:00 PM	61755
Toluene	ND	0.046		mg/Kg	1	8/4/2021 11:11:00 PM	61755
Ethylbenzene	ND	0.046		mg/Kg	1	8/4/2021 11:11:00 PM	61755
Xylenes, Total	ND	0.091		mg/Kg	1	8/4/2021 11:11:00 PM	61755
Surr: 4-Bromofluorobenzene	87.1	70-130		%Rec	1	8/4/2021 11:11:00 PM	61755

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

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

Page 104 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-11/4'

Project: McCullar Property

Collection Date: 7/30/2021 10:02:00 AM

Lab ID: 2107G19-110

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	87	60		mg/Kg	20	8/7/2021 5:34:06 AM	61826
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	8/5/2021 7:00:15 AM	61760
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/5/2021 7:00:15 AM	61760
Surr: DNOP	120	70-130		%Rec	1	8/5/2021 7:00:15 AM	61760
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	8/4/2021 11:30:00 PM	61755
Surr: BFB	97.1	70-130		%Rec	1	8/4/2021 11:30:00 PM	61755
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.023		mg/Kg	1	8/4/2021 11:30:00 PM	61755
Toluene	ND	0.046		mg/Kg	1	8/4/2021 11:30:00 PM	61755
Ethylbenzene	ND	0.046		mg/Kg	1	8/4/2021 11:30:00 PM	61755
Xylenes, Total	ND	0.092		mg/Kg	1	8/4/2021 11:30:00 PM	61755
Surr: 4-Bromofluorobenzene	86.5	70-130		%Rec	1	8/4/2021 11:30:00 PM	61755

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

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

Page 105 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-12/0'

Project: McCullar Property

Collection Date: 7/30/2021 10:10:00 AM

Lab ID: 2107G19-111

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	3900	150		mg/Kg	50	8/9/2021 12:26:10 PM	61826
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	8/5/2021 7:24:55 AM	61760
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/5/2021 7:24:55 AM	61760
Surr: DNOP	108	70-130		%Rec	1	8/5/2021 7:24:55 AM	61760
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/4/2021 11:50:00 PM	61755
Surr: BFB	101	70-130		%Rec	1	8/4/2021 11:50:00 PM	61755
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	8/4/2021 11:50:00 PM	61755
Toluene	ND	0.049		mg/Kg	1	8/4/2021 11:50:00 PM	61755
Ethylbenzene	ND	0.049		mg/Kg	1	8/4/2021 11:50:00 PM	61755
Xylenes, Total	ND	0.099		mg/Kg	1	8/4/2021 11:50:00 PM	61755
Surr: 4-Bromofluorobenzene	89.1	70-130		%Rec	1	8/4/2021 11:50:00 PM	61755

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

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

Page 106 of 132



## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-12/1'

Project: McCullar Property

Collection Date: 7/30/2021 10:17:00 AM

Lab ID: 2107G19-112

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	320	60		mg/Kg	20	8/7/2021 5:58:55 AM	61826
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	8/5/2021 7:49:05 AM	61760
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/5/2021 7:49:05 AM	61760
Surr: DNOP	115	70-130		%Rec	1	8/5/2021 7:49:05 AM	61760
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/5/2021 12:10:00 AM	61755
Surr: BFB	101	70-130		%Rec	1	8/5/2021 12:10:00 AM	61755
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	8/5/2021 12:10:00 AM	61755
Toluene	ND	0.049		mg/Kg	1	8/5/2021 12:10:00 AM	61755
Ethylbenzene	ND	0.049		mg/Kg	1	8/5/2021 12:10:00 AM	61755
Xylenes, Total	ND	0.097		mg/Kg	1	8/5/2021 12:10:00 AM	61755
Surr: 4-Bromofluorobenzene	86.3	70-130		%Rec	1	8/5/2021 12:10:00 AM	61755

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

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

Page 107 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-12/2'

Project: McCullar Property

Collection Date: 7/30/2021 10:25:00 AM

Lab ID: 2107G19-113

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	190	60		mg/Kg	20	8/7/2021 6:11:19 AM	61826
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	8/5/2021 8:13:24 AM	61760
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/5/2021 8:13:24 AM	61760
Surr: DNOP	103	70-130		%Rec	1	8/5/2021 8:13:24 AM	61760
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/5/2021 12:30:00 AM	61755
Surr: BFB	103	70-130		%Rec	1	8/5/2021 12:30:00 AM	61755
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	8/5/2021 12:30:00 AM	61755
Toluene	ND	0.048		mg/Kg	1	8/5/2021 12:30:00 AM	61755
Ethylbenzene	ND	0.048		mg/Kg	1	8/5/2021 12:30:00 AM	61755
Xylenes, Total	ND	0.096		mg/Kg	1	8/5/2021 12:30:00 AM	61755
Surr: 4-Bromofluorobenzene	93.3	70-130		%Rec	1	8/5/2021 12:30:00 AM	61755

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

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

Page 108 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-12/3'

Project: McCullar Property

Collection Date: 7/30/2021 10:32:00 AM

Lab ID: 2107G19-114

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	290	60		mg/Kg	20	8/7/2021 6:23:44 AM	61826
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	8/5/2021 8:37:29 AM	61760
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/5/2021 8:37:29 AM	61760
Surr: DNOP	91.7	70-130		%Rec	1	8/5/2021 8:37:29 AM	61760
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/5/2021 12:50:00 AM	61755
Surr: BFB	104	70-130		%Rec	1	8/5/2021 12:50:00 AM	61755
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	8/5/2021 12:50:00 AM	61755
Toluene	ND	0.049		mg/Kg	1	8/5/2021 12:50:00 AM	61755
Ethylbenzene	ND	0.049		mg/Kg	1	8/5/2021 12:50:00 AM	61755
Xylenes, Total	ND	0.099		mg/Kg	1	8/5/2021 12:50:00 AM	61755
Surr: 4-Bromofluorobenzene	92.0	70-130		%Rec	1	8/5/2021 12:50:00 AM	61755

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

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

Page 109 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-12/4'

Project: McCullar Property

Collection Date: 7/30/2021 10:37:00 AM

Lab ID: 2107G19-115

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	310	60		mg/Kg	20	8/7/2021 6:36:08 AM	61826
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	8/5/2021 9:25:58 AM	61760
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/5/2021 9:25:58 AM	61760
Surr: DNOP	89.3	70-130		%Rec	1	8/5/2021 9:25:58 AM	61760
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/5/2021 1:10:00 AM	61755
Surr: BFB	105	70-130		%Rec	1	8/5/2021 1:10:00 AM	61755
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	8/5/2021 1:10:00 AM	61755
Toluene	ND	0.049		mg/Kg	1	8/5/2021 1:10:00 AM	61755
Ethylbenzene	ND	0.049		mg/Kg	1	8/5/2021 1:10:00 AM	61755
Xylenes, Total	ND	0.099		mg/Kg	1	8/5/2021 1:10:00 AM	61755
Surr: 4-Bromofluorobenzene	92.5	70-130		%Rec	1	8/5/2021 1:10:00 AM	61755

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

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

Page 110 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-13/0'

Project: McCullar Property

Collection Date: 7/30/2021 10:44:00 AM

Lab ID: 2107G19-116

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	1400	60		mg/Kg	20	8/7/2021 6:48:32 AM	61826
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	8/5/2021 9:50:17 AM	61760
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/5/2021 9:50:17 AM	61760
Surr: DNOP	87.1	70-130		%Rec	1	8/5/2021 9:50:17 AM	61760
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/5/2021 2:10:00 AM	61755
Surr: BFB	99.9	70-130		%Rec	1	8/5/2021 2:10:00 AM	61755
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	8/5/2021 2:10:00 AM	61755
Toluene	ND	0.048		mg/Kg	1	8/5/2021 2:10:00 AM	61755
Ethylbenzene	ND	0.048		mg/Kg	1	8/5/2021 2:10:00 AM	61755
Xylenes, Total	ND	0.095		mg/Kg	1	8/5/2021 2:10:00 AM	61755
Surr: 4-Bromofluorobenzene	86.1	70-130		%Rec	1	8/5/2021 2:10:00 AM	61755

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

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

Page 111 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-13/1'

Project: McCullar Property

Collection Date: 7/30/2021 10:51:00 AM

Lab ID: 2107G19-117

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	670	60		mg/Kg	20	8/7/2021 7:25:45 AM	61826
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	8/5/2021 10:14:29 AM	61760
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/5/2021 10:14:29 AM	61760
Surr: DNOP	105	70-130		%Rec	1	8/5/2021 10:14:29 AM	61760
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/5/2021 2:30:00 AM	61755
Surr: BFB	100	70-130		%Rec	1	8/5/2021 2:30:00 AM	61755
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.023		mg/Kg	1	8/5/2021 2:30:00 AM	61755
Toluene	ND	0.047		mg/Kg	1	8/5/2021 2:30:00 AM	61755
Ethylbenzene	ND	0.047		mg/Kg	1	8/5/2021 2:30:00 AM	61755
Xylenes, Total	ND	0.094		mg/Kg	1	8/5/2021 2:30:00 AM	61755
Surr: 4-Bromofluorobenzene	88.6	70-130		%Rec	1	8/5/2021 2:30:00 AM	61755

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

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

Page 112 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-13/2'

Project: McCullar Property

Collection Date: 7/30/2021 10:57:00 AM

Lab ID: 2107G19-118

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	340	60		mg/Kg	20	8/7/2021 7:38:10 AM	61826
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	8/5/2021 10:38:43 AM	61760
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/5/2021 10:38:43 AM	61760
Surr: DNOP	61.4	70-130	S	%Rec	1	8/5/2021 10:38:43 AM	61760
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/5/2021 2:50:00 AM	61755
Surr: BFB	107	70-130		%Rec	1	8/5/2021 2:50:00 AM	61755
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	8/5/2021 2:50:00 AM	61755
Toluene	ND	0.048		mg/Kg	1	8/5/2021 2:50:00 AM	61755
Ethylbenzene	ND	0.048		mg/Kg	1	8/5/2021 2:50:00 AM	61755
Xylenes, Total	ND	0.097		mg/Kg	1	8/5/2021 2:50:00 AM	61755
Surr: 4-Bromofluorobenzene	90.9	70-130		%Rec	1	8/5/2021 2:50:00 AM	61755

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

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

Page 113 of 132



## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-13/3'

Project: McCullar Property

Collection Date: 7/30/2021 11:02:00 AM

Lab ID: 2107G19-119

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	410	60		mg/Kg	20	8/7/2021 7:50:34 AM	61826
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	8/5/2021 11:02:53 AM	61760
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/5/2021 11:02:53 AM	61760
Surr: DNOP	84.4	70-130		%Rec	1	8/5/2021 11:02:53 AM	61760
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/5/2021 3:09:00 AM	61755
Surr: BFB	99.6	70-130		%Rec	1	8/5/2021 3:09:00 AM	61755
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	8/5/2021 3:09:00 AM	61755
Toluene	ND	0.050		mg/Kg	1	8/5/2021 3:09:00 AM	61755
Ethylbenzene	ND	0.050		mg/Kg	1	8/5/2021 3:09:00 AM	61755
Xylenes, Total	ND	0.099		mg/Kg	1	8/5/2021 3:09:00 AM	61755
Surr: 4-Bromofluorobenzene	85.4	70-130		%Rec	1	8/5/2021 3:09:00 AM	61755

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

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

Page 114 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: C-13/4'

Project: McCullar Property

Collection Date: 7/30/2021 11:08:00 AM

Lab ID: 2107G19-120

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	260	60		mg/Kg	20	8/7/2021 8:02:59 AM	61826
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	8/5/2021 1:28:58 PM	61760
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/5/2021 1:28:58 PM	61760
Surr: DNOP	73.2	70-130		%Rec	1	8/5/2021 1:28:58 PM	61760
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/5/2021 3:29:00 AM	61755
Surr: BFB	107	70-130		%Rec	1	8/5/2021 3:29:00 AM	61755
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	8/5/2021 3:29:00 AM	61755
Toluene	ND	0.048		mg/Kg	1	8/5/2021 3:29:00 AM	61755
Ethylbenzene	ND	0.048		mg/Kg	1	8/5/2021 3:29:00 AM	61755
Xylenes, Total	ND	0.096		mg/Kg	1	8/5/2021 3:29:00 AM	61755
Surr: 4-Bromofluorobenzene	92.6	70-130		%Rec	1	8/5/2021 3:29:00 AM	61755

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

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

Page 115 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A-5/0'

Project: McCullar Property

Collection Date: 7/30/2021 11:15:00 AM

Lab ID: 2107G19-121

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	7000	300		mg/Kg	100	8/9/2021 12:38:35 PM	61826
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	51	9.8		mg/Kg	1	8/6/2021 2:51:21 PM	61760
Motor Oil Range Organics (MRO)	310	49		mg/Kg	1	8/6/2021 2:51:21 PM	61760
Surr: DNOP	158	70-130	S	%Rec	1	8/6/2021 2:51:21 PM	61760
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/5/2021 3:49:00 AM	61755
Surr: BFB	93.8	70-130		%Rec	1	8/5/2021 3:49:00 AM	61755
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	8/5/2021 3:49:00 AM	61755
Toluene	ND	0.047		mg/Kg	1	8/5/2021 3:49:00 AM	61755
Ethylbenzene	ND	0.047		mg/Kg	1	8/5/2021 3:49:00 AM	61755
Xylenes, Total	ND	0.095		mg/Kg	1	8/5/2021 3:49:00 AM	61755
Surr: 4-Bromofluorobenzene	82.4	70-130		%Rec	1	8/5/2021 3:49:00 AM	61755

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

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

Page 116 of 132

## Analytical Report

Lab Order 2107G19

Date Reported: 8/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A-6/0'

Project: McCullar Property

Collection Date: 7/30/2021 11:20:00 AM

Lab ID: 2107G19-122

Matrix: SOIL

Received Date: 7/31/2021 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	4400	150		mg/Kg	50	8/9/2021 12:51:00 PM	61826
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	23	10		mg/Kg	1	8/6/2021 3:40:02 PM	61760
Motor Oil Range Organics (MRO)	220	50		mg/Kg	1	8/6/2021 3:40:02 PM	61760
Surr: DNOP	105	70-130		%Rec	1	8/6/2021 3:40:02 PM	61760
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/5/2021 4:09:00 AM	61755
Surr: BFB	97.6	70-130		%Rec	1	8/5/2021 4:09:00 AM	61755
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	8/5/2021 4:09:00 AM	61755
Toluene	ND	0.050		mg/Kg	1	8/5/2021 4:09:00 AM	61755
Ethylbenzene	ND	0.050		mg/Kg	1	8/5/2021 4:09:00 AM	61755
Xylenes, Total	ND	0.099		mg/Kg	1	8/5/2021 4:09:00 AM	61755
Surr: 4-Bromofluorobenzene	82.7	70-130		%Rec	1	8/5/2021 4:09:00 AM	61755

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

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

Page 117 of 132

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2107G19

12-Aug-21

**Client:** EOG  
**Project:** McCullar Property

Sample ID: <b>MB-61789</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>61789</b>	RunNo: <b>80323</b>								
Prep Date: <b>8/5/2021</b>	Analysis Date: <b>8/5/2021</b>	SeqNo: <b>2831066</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-61789</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>61789</b>	RunNo: <b>80323</b>								
Prep Date: <b>8/5/2021</b>	Analysis Date: <b>8/5/2021</b>	SeqNo: <b>2831067</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.9	90	110			

Sample ID: <b>MB-61794</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>61794</b>	RunNo: <b>80323</b>								
Prep Date: <b>8/5/2021</b>	Analysis Date: <b>8/5/2021</b>	SeqNo: <b>2831142</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-61794</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>61794</b>	RunNo: <b>80323</b>								
Prep Date: <b>8/5/2021</b>	Analysis Date: <b>8/5/2021</b>	SeqNo: <b>2831143</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.7	90	110			

Sample ID: <b>MB-61807</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>61807</b>	RunNo: <b>80380</b>								
Prep Date: <b>8/6/2021</b>	Analysis Date: <b>8/6/2021</b>	SeqNo: <b>2832762</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-61807</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>61807</b>	RunNo: <b>80380</b>								
Prep Date: <b>8/6/2021</b>	Analysis Date: <b>8/6/2021</b>	SeqNo: <b>2832763</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.6	90	110			

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative 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 118 of 132

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2107G19

12-Aug-21

**Client:** EOG  
**Project:** McCullar Property

Sample ID: <b>MB-61817</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>61817</b>	RunNo: <b>80380</b>								
Prep Date: <b>8/6/2021</b>	Analysis Date: <b>8/6/2021</b>	SeqNo: <b>2832799</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-61817</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>61817</b>	RunNo: <b>80380</b>								
Prep Date: <b>8/6/2021</b>	Analysis Date: <b>8/6/2021</b>	SeqNo: <b>2832800</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.6	90	110			

Sample ID: <b>MB-61826</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>61826</b>	RunNo: <b>80380</b>								
Prep Date: <b>8/6/2021</b>	Analysis Date: <b>8/7/2021</b>	SeqNo: <b>2832829</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-61826</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>61826</b>	RunNo: <b>80380</b>								
Prep Date: <b>8/6/2021</b>	Analysis Date: <b>8/7/2021</b>	SeqNo: <b>2832830</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.0	90	110			

Sample ID: <b>MB-61813</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>61813</b>	RunNo: <b>80380</b>								
Prep Date: <b>8/6/2021</b>	Analysis Date: <b>8/6/2021</b>	SeqNo: <b>2832841</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-61813</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>61813</b>	RunNo: <b>80380</b>								
Prep Date: <b>8/6/2021</b>	Analysis Date: <b>8/6/2021</b>	SeqNo: <b>2832842</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.3	90	110			

**Qualifiers:**

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

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

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2107G19

12-Aug-21

**Client:** EOG  
**Project:** McCullar Property

Sample ID: <b>MB-61806</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>61806</b>	RunNo: <b>80382</b>								
Prep Date: <b>8/6/2021</b>	Analysis Date: <b>8/6/2021</b>	SeqNo: <b>2832929</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-61806</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>61806</b>	RunNo: <b>80382</b>								
Prep Date: <b>8/6/2021</b>	Analysis Date: <b>8/6/2021</b>	SeqNo: <b>2832930</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.3	90	110			

Sample ID: <b>MB-61808</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>61808</b>	RunNo: <b>80382</b>								
Prep Date: <b>8/6/2021</b>	Analysis Date: <b>8/6/2021</b>	SeqNo: <b>2832959</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-61808</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>61808</b>	RunNo: <b>80382</b>								
Prep Date: <b>8/6/2021</b>	Analysis Date: <b>8/6/2021</b>	SeqNo: <b>2832960</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.0	90	110			

**Qualifiers:**

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

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



**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2107G19

12-Aug-21

**Client:** EOG  
**Project:** McCullar Property

Sample ID: <b>MB-61741</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>61741</b>	RunNo: <b>80306</b>								
Prep Date: <b>8/3/2021</b>	Analysis Date: <b>8/4/2021</b>	SeqNo: <b>2829078</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.2		10.00		92.2	70	130			

Sample ID: <b>LCS-61741</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>61741</b>	RunNo: <b>80306</b>								
Prep Date: <b>8/3/2021</b>	Analysis Date: <b>8/4/2021</b>	SeqNo: <b>2829100</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.00	0	85.2	68.9	141			
Surr: DNOP	4.7		5.000		93.6	70	130			

Sample ID: <b>LCS-61731</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>61731</b>	RunNo: <b>80306</b>								
Prep Date: <b>8/2/2021</b>	Analysis Date: <b>8/4/2021</b>	SeqNo: <b>2829101</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	89.7	68.9	141			
Surr: DNOP	5.2		5.000		103	70	130			

Sample ID: <b>MB-61731</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>61731</b>	RunNo: <b>80306</b>								
Prep Date: <b>8/2/2021</b>	Analysis Date: <b>8/4/2021</b>	SeqNo: <b>2829103</b> Units: <b>mg/Kg</b>								
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		108	70	130			

Sample ID: <b>MB-61726</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>61726</b>	RunNo: <b>80245</b>								
Prep Date: <b>8/2/2021</b>	Analysis Date: <b>8/4/2021</b>	SeqNo: <b>2829152</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.5		10.00		85.2	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 Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

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

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2107G19

12-Aug-21

**Client:** EOG  
**Project:** McCullar Property

Sample ID: <b>LCS-61726</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>61726</b>	RunNo: <b>80245</b>								
Prep Date: <b>8/2/2021</b>	Analysis Date: <b>8/4/2021</b>	SeqNo: <b>2829153</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	87.8	68.9	141			
Surr: DNOP	4.3		5.000		86.5	70	130			

Sample ID: <b>LCS-61752</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>61752</b>	RunNo: <b>80350</b>								
Prep Date: <b>8/3/2021</b>	Analysis Date: <b>8/4/2021</b>	SeqNo: <b>2831260</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	53	10	50.00	0	106	68.9	141			
Surr: DNOP	5.3		5.000		105	70	130			

Sample ID: <b>MB-61752</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>61752</b>	RunNo: <b>80350</b>								
Prep Date: <b>8/3/2021</b>	Analysis Date: <b>8/4/2021</b>	SeqNo: <b>2831261</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	12		10.00		123	70	130			

Sample ID: <b>MB-61760</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>61760</b>	RunNo: <b>80350</b>								
Prep Date: <b>8/3/2021</b>	Analysis Date: <b>8/5/2021</b>	SeqNo: <b>2831262</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.5		10.00		95.4	70	130			

Sample ID: <b>LCS-61760</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>61760</b>	RunNo: <b>80350</b>								
Prep Date: <b>8/3/2021</b>	Analysis Date: <b>8/5/2021</b>	SeqNo: <b>2831418</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	60	10	50.00	0	120	68.9	141			
Surr: DNOP	4.5		5.000		90.2	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 Quantitative 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 122 of 132

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2107G19

12-Aug-21

**Client:** EOG  
**Project:** McCullar Property

Sample ID: <b>LCS-61742</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>61742</b>			RunNo: <b>80350</b>						
Prep Date: <b>8/3/2021</b>	Analysis Date: <b>8/5/2021</b>			SeqNo: <b>2831489</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	54	10	50.00	0	108	68.9	141			
Surr: DNOP	4.8		5.000		96.4	70	130			

Sample ID: <b>MB-61742</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>PBS</b>	Batch ID: <b>61742</b>			RunNo: <b>80350</b>						
Prep Date: <b>8/3/2021</b>	Analysis Date: <b>8/5/2021</b>			SeqNo: <b>2831490</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	7.4		10.00		73.5	70	130			

Sample ID: <b>MB-61822</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>PBS</b>	Batch ID: <b>61822</b>			RunNo: <b>80403</b>						
Prep Date: <b>8/6/2021</b>	Analysis Date: <b>8/9/2021</b>			SeqNo: <b>2833764</b>		Units: <b>%Rec</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.3		10.00		83.5	70	130			

Sample ID: <b>LCS-61822</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>61822</b>			RunNo: <b>80403</b>						
Prep Date: <b>8/6/2021</b>	Analysis Date: <b>8/9/2021</b>			SeqNo: <b>2833765</b>		Units: <b>%Rec</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.0		5.000		80.0	70	130			

Sample ID: <b>LCS-61862</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>61862</b>			RunNo: <b>80403</b>						
Prep Date: <b>8/9/2021</b>	Analysis Date: <b>8/9/2021</b>			SeqNo: <b>2834492</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	97.5	68.9	141			
Surr: DNOP	4.9		5.000		97.8	70	130			

Sample ID: <b>MB-61862</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>PBS</b>	Batch ID: <b>61862</b>			RunNo: <b>80429</b>						
Prep Date: <b>8/9/2021</b>	Analysis Date: <b>8/10/2021</b>			SeqNo: <b>2836019</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								

**Qualifiers:**

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

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2107G19

12-Aug-21

Client: EOG  
Project: McCullar Property

Sample ID: MB-61862	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 61862	RunNo: 80429								
Prep Date: 8/9/2021	Analysis Date: 8/10/2021	SeqNo: 2836019	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.5		10.00		94.6	70	130			

Qualifiers:

- \*

Value exceeds Maximum Contaminant Level.
- D

Sample Diluted Due to Matrix
- H

Holding times for preparation or analysis exceeded
- ND

Not Detected at the Reporting Limit
- PQL

Practical Quantitative Limit
- S

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

Analyte detected in the associated Method Blank
- E

Value above quantitation range
- J

Analyte detected below quantitation limits
- P

Sample pH Not In Range
- RL

Reporting Limit

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2107G19

12-Aug-21

**Client:** EOG  
**Project:** McCullar Property

Sample ID: <b>mb-61723</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>PBS</b>	Batch ID: <b>61723</b>			RunNo: <b>80282</b>						
Prep Date: <b>8/2/2021</b>	Analysis Date: <b>8/3/2021</b>			SeqNo: <b>2828215</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		113	70	130			

Sample ID: <b>lcs-61723</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>61723</b>			RunNo: <b>80282</b>						
Prep Date: <b>8/2/2021</b>	Analysis Date: <b>8/3/2021</b>			SeqNo: <b>2828216</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	25.00	0	112	78.6	131			
Surr: BFB	1300		1000		127	70	130			

Sample ID: <b>mb-61725</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>PBS</b>	Batch ID: <b>61725</b>			RunNo: <b>80284</b>						
Prep Date: <b>8/2/2021</b>	Analysis Date: <b>8/3/2021</b>			SeqNo: <b>2828664</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	960		1000		96.4	70	130			

Sample ID: <b>mb-61730</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>PBS</b>	Batch ID: <b>61730</b>			RunNo: <b>80284</b>						
Prep Date: <b>8/2/2021</b>	Analysis Date: <b>8/3/2021</b>			SeqNo: <b>2828665</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	960		1000		95.8	70	130			

Sample ID: <b>lcs-61725</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>61725</b>			RunNo: <b>80284</b>						
Prep Date: <b>8/2/2021</b>	Analysis Date: <b>8/3/2021</b>			SeqNo: <b>2828666</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	25.00	0	110	78.6	131			
Surr: BFB	1200		1000		116	70	130			

Sample ID: <b>lcs-61730</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>61730</b>			RunNo: <b>80284</b>						
Prep Date: <b>8/2/2021</b>	Analysis Date: <b>8/3/2021</b>			SeqNo: <b>2828667</b>		Units: <b>mg/Kg</b>				
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 Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

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

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2107G19

12-Aug-21

**Client:** EOG  
**Project:** McCullar Property

Sample ID: <b>ics-61730</b>	SampType: <b>LCS</b>				TestCode: <b>EPA Method 8015D: Gasoline Range</b>					
Client ID: <b>LCSS</b>	Batch ID: <b>61730</b>				RunNo: <b>80284</b>					
Prep Date: <b>8/2/2021</b>	Analysis Date: <b>8/3/2021</b>				SeqNo: <b>2828667</b>	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	106	78.6	131			
Surr: BFB	1000		1000		105	70	130			

Sample ID: <b>mb-61744</b>	SampType: <b>MBLK</b>				TestCode: <b>EPA Method 8015D: Gasoline Range</b>					
Client ID: <b>PBS</b>	Batch ID: <b>61744</b>				RunNo: <b>80315</b>					
Prep Date: <b>8/3/2021</b>	Analysis Date: <b>8/4/2021</b>				SeqNo: <b>2829732</b>	Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	980		1000		98.2	70	130			

Sample ID: <b>mb-61755</b>	SampType: <b>MBLK</b>				TestCode: <b>EPA Method 8015D: Gasoline Range</b>					
Client ID: <b>PBS</b>	Batch ID: <b>61755</b>				RunNo: <b>80315</b>					
Prep Date: <b>8/3/2021</b>	Analysis Date: <b>8/4/2021</b>				SeqNo: <b>2829733</b>	Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	990		1000		99.2	70	130			

Sample ID: <b>ics-61744</b>	SampType: <b>LCS</b>				TestCode: <b>EPA Method 8015D: Gasoline Range</b>					
Client ID: <b>LCSS</b>	Batch ID: <b>61744</b>				RunNo: <b>80315</b>					
Prep Date: <b>8/3/2021</b>	Analysis Date: <b>8/4/2021</b>				SeqNo: <b>2829734</b>	Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	29	5.0	25.00	0	116	78.6	131			
Surr: BFB	1200		1000		115	70	130			

Sample ID: <b>ics-61755</b>	SampType: <b>LCS</b>				TestCode: <b>EPA Method 8015D: Gasoline Range</b>					
Client ID: <b>LCSS</b>	Batch ID: <b>61755</b>				RunNo: <b>80315</b>					
Prep Date: <b>8/3/2021</b>	Analysis Date: <b>8/4/2021</b>				SeqNo: <b>2829735</b>	Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	107	78.6	131			
Surr: BFB	1100		1000		111	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 Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

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

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2107G19

12-Aug-21

**Client:** EOG  
**Project:** McCullar Property

Sample ID: <b>mb-61723</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>61723</b>	RunNo: <b>80282</b>								
Prep Date: <b>8/2/2021</b>	Analysis Date: <b>8/3/2021</b>	SeqNo: <b>2828254</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		104	70	130			

Sample ID: <b>LCS-61723</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>61723</b>	RunNo: <b>80282</b>								
Prep Date: <b>8/2/2021</b>	Analysis Date: <b>8/3/2021</b>	SeqNo: <b>2828255</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	95.2	80	120			
Toluene	0.97	0.050	1.000	0	96.6	80	120			
Ethylbenzene	0.96	0.050	1.000	0	96.4	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.3	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		107	70	130			

Sample ID: <b>mb-61725</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>61725</b>	RunNo: <b>80284</b>								
Prep Date: <b>8/2/2021</b>	Analysis Date: <b>8/3/2021</b>	SeqNo: <b>2828767</b> Units: <b>mg/Kg</b>								
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	0.87		1.000		87.2	70	130			

Sample ID: <b>mb-61730</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>61730</b>	RunNo: <b>80284</b>								
Prep Date: <b>8/2/2021</b>	Analysis Date: <b>8/3/2021</b>	SeqNo: <b>2828768</b> Units: <b>mg/Kg</b>								
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	0.87		1.000		87.0	70	130			

**Qualifiers:**

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

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



**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2107G19

12-Aug-21

**Client:** EOG  
**Project:** McCullar Property

Sample ID: <b>lcs-61725</b>	SampType: <b>LCS</b>				TestCode: <b>EPA Method 8021B: Volatiles</b>					
Client ID: <b>LCSS</b>	Batch ID: <b>61725</b>				RunNo: <b>80284</b>					
Prep Date: <b>8/2/2021</b>	Analysis Date: <b>8/3/2021</b>				SeqNo: <b>2828769</b>		Units: <b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	94.8	80	120			
Toluene	0.97	0.050	1.000	0	96.8	80	120			
Ethylbenzene	0.98	0.050	1.000	0	98.0	80	120			
Xylenes, Total	3.0	0.10	3.000	0	98.6	80	120			
Surr: 4-Bromofluorobenzene	0.86		1.000		86.4	70	130			

Sample ID: <b>lcs-61730</b>	SampType: <b>LCS</b>				TestCode: <b>EPA Method 8021B: Volatiles</b>					
Client ID: <b>LCSS</b>	Batch ID: <b>61730</b>				RunNo: <b>80284</b>					
Prep Date: <b>8/2/2021</b>	Analysis Date: <b>8/3/2021</b>				SeqNo: <b>2828770</b>		Units: <b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	94.7	80	120			
Toluene	0.96	0.050	1.000	0	95.6	80	120			
Ethylbenzene	0.97	0.050	1.000	0	96.7	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.4	80	120			
Surr: 4-Bromofluorobenzene	0.87		1.000		86.8	70	130			

Sample ID: <b>mb-61744</b>	SampType: <b>MBLK</b>				TestCode: <b>EPA Method 8021B: Volatiles</b>					
Client ID: <b>PBS</b>	Batch ID: <b>61744</b>				RunNo: <b>80315</b>					
Prep Date: <b>8/3/2021</b>	Analysis Date: <b>8/4/2021</b>				SeqNo: <b>2829785</b>		Units: <b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.89		1.000		89.2	70	130			

Sample ID: <b>mb-61755</b>	SampType: <b>MBLK</b>				TestCode: <b>EPA Method 8021B: Volatiles</b>					
Client ID: <b>PBS</b>	Batch ID: <b>61755</b>				RunNo: <b>80315</b>					
Prep Date: <b>8/3/2021</b>	Analysis Date: <b>8/4/2021</b>				SeqNo: <b>2829786</b>		Units: <b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.86		1.000		86.0	70	130			

**Qualifiers:**

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

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

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2107G19

12-Aug-21

**Client:** EOG  
**Project:** McCullar Property

Sample ID: <b>lcs-61744</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>61744</b>		RunNo: <b>80315</b>							
Prep Date: <b>8/3/2021</b>	Analysis Date: <b>8/4/2021</b>		SeqNo: <b>2829787</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.025	1.000	0	91.9	80	120			
Toluene	0.93	0.050	1.000	0	93.0	80	120			
Ethylbenzene	0.95	0.050	1.000	0	94.6	80	120			
Xylenes, Total	2.9	0.10	3.000	0	95.2	80	120			
Surr: 4-Bromofluorobenzene	0.88		1.000		88.0	70	130			

Sample ID: <b>lcs-61755</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>61755</b>		RunNo: <b>80315</b>							
Prep Date: <b>8/3/2021</b>	Analysis Date: <b>8/4/2021</b>		SeqNo: <b>2829788</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	91.1	80	120			
Toluene	0.92	0.050	1.000	0	92.2	80	120			
Ethylbenzene	0.93	0.050	1.000	0	93.4	80	120			
Xylenes, Total	2.8	0.10	3.000	0	93.8	80	120			
Surr: 4-Bromofluorobenzene	0.86		1.000		85.7	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 Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

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

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2107G19

12-Aug-21

**Client:** EOG  
**Project:** McCullar Property

Sample ID: <b>Ics-61732</b>	SampType: <b>LCS4</b>		TestCode: <b>EPA Method 8260B: Volatiles Short List</b>							
Client ID: <b>BatchQC</b>	Batch ID: <b>61732</b>		RunNo: <b>80294</b>							
Prep Date: <b>8/2/2021</b>	Analysis Date: <b>8/3/2021</b>		SeqNo: <b>2829203</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	1.000	0	93.5	80	120			
Toluene	0.95	0.050	1.000	0	95.3	80	120			
Ethylbenzene	0.95	0.050	1.000	0	95.4	80	120			
Xylenes, Total	2.9	0.10	3.000	0	95.9	80	120			
Surr: 1,2-Dichloroethane-d4	0.48		0.5000		96.3	70	130			
Surr: 4-Bromofluorobenzene	0.49		0.5000		97.1	70	130			
Surr: Dibromofluoromethane	0.51		0.5000		103	70	130			
Surr: Toluene-d8	0.51		0.5000		103	70	130			

Sample ID: <b>mb-61732</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8260B: Volatiles Short List</b>							
Client ID: <b>PBS</b>	Batch ID: <b>61732</b>		RunNo: <b>80294</b>							
Prep Date: <b>8/2/2021</b>	Analysis Date: <b>8/3/2021</b>		SeqNo: <b>2829204</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.49		0.5000		97.5	70	130			
Surr: 4-Bromofluorobenzene	0.50		0.5000		100	70	130			
Surr: Dibromofluoromethane	0.50		0.5000		99.7	70	130			
Surr: Toluene-d8	0.51		0.5000		102	70	130			

Sample ID: <b>2107g19-067ams</b>	SampType: <b>MS4</b>		TestCode: <b>EPA Method 8260B: Volatiles Short List</b>							
Client ID: <b>C-3/1'</b>	Batch ID: <b>61732</b>		RunNo: <b>80294</b>							
Prep Date: <b>8/2/2021</b>	Analysis Date: <b>8/3/2021</b>		SeqNo: <b>2829207</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.024	0.9452	0	108	73.5	138			
Toluene	1.1	0.047	0.9452	0	112	83	131			
Ethylbenzene	1.1	0.047	0.9452	0	112	84.9	132			
Xylenes, Total	3.2	0.095	2.836	0	113	79.6	144			
Surr: 1,2-Dichloroethane-d4	0.46		0.4726		97.2	70	130			
Surr: 4-Bromofluorobenzene	0.46		0.4726		96.5	70	130			
Surr: Dibromofluoromethane	0.49		0.4726		104	70	130			
Surr: Toluene-d8	0.49		0.4726		105	70	130			

**Qualifiers:**

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

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

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**WO#: **2107G19****12-Aug-21**

**Client:** EOG  
**Project:** McCullar Property

Sample ID: <b>2107g19-067amsd</b>		SampType: <b>MSD4</b>		TestCode: <b>EPA Method 8260B: Volatiles Short List</b>						
Client ID: <b>C-3/1'</b>		Batch ID: <b>61732</b>		RunNo: <b>80294</b>						
Prep Date: <b>8/2/2021</b>		Analysis Date: <b>8/3/2021</b>		SeqNo: <b>2829208</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	0.9911	0	102	73.5	138	1.17	20	
Toluene	1.1	0.050	0.9911	0	110	83	131	2.89	20	
Ethylbenzene	1.1	0.050	0.9911	0	111	84.9	132	3.16	20	
Xylenes, Total	3.2	0.099	2.973	0	109	79.6	144	1.36	20	
Surr: 1,2-Dichloroethane-d4	0.49		0.4955		98.2	70	130	0	0	
Surr: 4-Bromofluorobenzene	0.47		0.4955		95.0	70	130	0	0	
Surr: Dibromofluoromethane	0.51		0.4955		103	70	130	0	0	
Surr: Toluene-d8	0.53		0.4955		106	70	130	0	0	

**Qualifiers:**

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

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

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2107G19

12-Aug-21

**Client:** EOG  
**Project:** McCullar Property

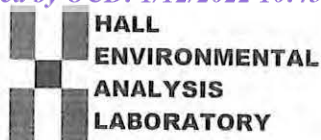
Sample ID: <b>lcs-61732</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015D Mod: Gasoline Range</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>61732</b>			RunNo: <b>80294</b>						
Prep Date: <b>8/2/2021</b>	Analysis Date: <b>8/3/2021</b>			SeqNo: <b>2829229</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	99.6	70	130			
Surr: BFB	480		500.0		96.9	70	130			

Sample ID: <b>mb-61732</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015D Mod: Gasoline Range</b>						
Client ID: <b>PBS</b>	Batch ID: <b>61732</b>			RunNo: <b>80294</b>						
Prep Date: <b>8/2/2021</b>	Analysis Date: <b>8/3/2021</b>			SeqNo: <b>2829230</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	490		500.0		97.3	70	130			

**Qualifiers:**

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

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



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

## Sample Log-In Check List

Client Name: **EOG**Work Order Number: **2107G19**

RcptNo: 1

Received By: **Juan Rojas**

7/31/2021 8:20:00 AM

*Juan Rojas*Completed By: **Desiree Dominguez**

7/31/2021 12:02:47 PM

*Desiree Dominguez*Reviewed By: **SCC 8/2/21**

### Chain of Custody

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

### Log In

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

# of preserved  
bottles checked  
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by: *JE / KPL*

*8/2/21*

### Special Handling (if applicable)

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

Person Notified: \_\_\_\_\_

Date: \_\_\_\_\_

By Whom: \_\_\_\_\_

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: \_\_\_\_\_

Client Instructions: \_\_\_\_\_

16. Additional remarks:

### 17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.4	Good				
2	0.5	Good				



# Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.

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

Ranger: PO Box 201179, Austin TX 78720

Phone #: 521-335-1785

email or Fax#: Will@RangerEnv.com

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☒ NELAC ☐ Other

☒ EDD (Type) Excel

Turn-Around Time:

☒ Standard ☐ Rush

Project Name: McCLURE PROPERTY

Project #: 5375

Project Manager: W. Kierdorf

Sampler: W. Kierdorf

On Ice: ☒ Yes ☐ No

# of Coolers: 2

Cooler Temp (including CF): 3.5-6.1 = 3.4

Container Type and #  
1 x 4oz Jar ICE  
Preservative Type  
ICE  
HEAL No.  
2107919

Date Time Matrix Sample Name

7/30/21	0643	Soil	B-4/0'
	0651		B-4/1'
	0657		B-4/2'
	0707		B-4/3'
	0714		B-4/4'
	0718		B-5/0'
	0725		B-5/1'
	0731		B-5/2'
	0738		B-5/3'
	0744		B-5/4'
	0752		B-6/0'
	0759		B-6/1'

Date: Time: Relinquished by:

Date: Time: Relinquished by:

7/30/21 1900 Alvarez

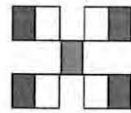
Received by: Via: Date Time

Alvarez 7/30/21 1130

Received by: Via: Date Time

W. Kierdorf 7/30/21 8:20

Remarks: Bill to EOG Artesia



**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

TPH:8015D(GRO / DRO / MRO)

Chloride (EPA 300)

BTEX (8021)

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X





# Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.

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

Ranger: PO Box 201179, Austin TX 78720

Phone #: 521-335-1785

email or Fax#: Will@RangerEnv.com

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

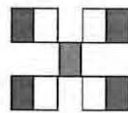
☒ NELAC ☐ Other

☒ EDD (Type) Excel

Turn-Around Time: 5 days  
☒ Standard ☐ Rush  
 Project Name: McLennan property  
 Project #: 5375  
 Project Manager: W. Kierdorf  
 Sampler: On Ice: ☐ Yes ☐ No  
 # of Coolers: 1  
 Cooler Temp (including CF): ICE

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
7/29/21	0937	Soil	B-8/4'	1 x 402 JAR	ICE	217619
	0941		<del>B-8/4'</del> B-9/0'			-025
	0950		B-9/1'			-026
	0958		B-9/2'			-027
	1004		B-9/3'			-028
	1014		B-9/4'			-029
	1020		B-10/0'			-030
	1027		B-10/1'			-031
	1034		B-10/2'			-032
	1042		B-10/3'			-033
	1048		B-10/4'			-034
	1142		B-11/0'			-035
						-036

Date: 7/30/21 Time: 1130  
 Relinquished by: Will@RangerEnv.com  
 Date: 7/30/21 Time: 1130  
 Relinquished by: Will@RangerEnv.com



**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

## Analysis Request

Analysis Request	TPH:8015D(GRO / DRO / MRO)	Chloride (EPA 300)	BTEX (8021)	HEAL No.
	X	X	X	217619
				-025
				-026
				-027
				-028
				-029
				-030
				-031
				-032
				-033
				-034
				-035
				-036

Remarks: Bill to EOG Artesia



# Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.

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

Ranger: PO Box 201179, Austin TX 78720

Phone #: 521-335-1785

email or Fax#: Will@RangerEnv.com

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☒ NELAC ☐ Other

☒ EDD (Type) Excel

Turn-Around Time: 5 Days  
☒ Standard ☐ Rush  
 Project Name: M2 Cellular property

Project #: 5375

Project Manager: W. Kierdorf

Sampler: W. Kierdorf  
 On Ice: ☐ Yes ☐ No

# of Coolers:

Cooler Temp (including CF):

Container Type and #

Preservative Type

HEAL No.

TPH:8015D(GRO / DRO / MRO)

Chloride (EPA 300)

BTEX (8021)

Analysis Request

Remarks: Bill to EOG Artesia

Received by: W. Kierdorf Date: 7/30/21 Time: 11:30

Received by: W. Kierdorf Date: 7/30/21 Time: 8:20

Relinquished by: W. Kierdorf Date: 7/30/21 Time: 1900

Relinquished by: W. Kierdorf Date: 7/30/21 Time: 1900

Date: 7/29/21 Time: 1151

Date: 7/29/21 Time: 1159

Date: 7/29/21 Time: 1206

Date: 7/29/21 Time: 1212

Date: 7/29/21 Time: 1218

Date: 7/29/21 Time: 1223

Date: 7/29/21 Time: 1228

Date: 7/29/21 Time: 1235

Date: 7/29/21 Time: 1240

Date: 7/29/21 Time: 1249

Date: 7/29/21 Time: 1256

Date: 7/29/21 Time: 1308

Date: 7/29/21 Time: 1308

Date: 7/29/21 Time: 1308

Date: 7/29/21 Time: 1308

Date: 7/29/21 Time: 1308

Date: 7/29/21 Time: 1308

Date: 7/29/21 Time: 1308

Date: 7/29/21 Time: 1308

Date: 7/29/21 Time: 1308

Date: 7/29/21 Time: 1308

# Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.

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

Ranger: PO Box 201179, Austin TX 78720

Phone #: 521-335-1785

email or Fax#: Will@RangerEnv.com

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

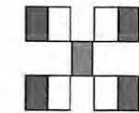
Accreditation: ☐ Az Compliance

☒ NELAC ☐ Other

☒ EDD (Type) ☐ Excel

Turn-Around Time:			Standard <input checked="" type="checkbox"/> Rush			Project Name: <u>MCCALLAN PROPERTY</u>		
Project #: 5375			Project Manager: W. Kierdorf			Sampler: <u>W. Kierdorf</u>		
On Ice: <input type="checkbox"/> Yes <input type="checkbox"/> No			# of Coolers:			Cooler Temp (including GF):		
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.		
7/20/21	1235	SOIL	<del>B-12/3</del>	1 x 40Z JAN	ICE	-049	BTEX (8021)	Chloride (EPA 300)
	1340		<del>B-13/4</del>			-050		
	1349		B-13/0'			-051		
	1356		B-13/1'			-052		
	1304		B-13/2'			-053		
	1317		B-13/3'			-054		
	1305		B-13/4'			-055		
	1347		C-1/0'			-056		
	1355		C-1/1'			-057		
	1358		C-1/2'			-058		
	1404		C-1/3'			-059		
	1409		C-1/4'			-060		
Relinquished by:			Via:			Date Time		
Relinquished by:			Via:			Date Time		

Remarks: Bill to EOG Artesia



**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

50411



# Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.

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

Ranger: PO Box 201179, Austin TX 78720

Phone #: 521-335-1785

email or Fax#: Will@RangerEnv.com

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☒ NELAC ☐ Other

☒ EDD (Type) Excel

Turn-Around Time: 5 Days

☒ Standard ☐ Rush

Project Name: Molecular Properties

Project #: 5375

Project Manager: W. Kierdorf

Sampler: W. Kierdorf

On Ice: ☐ Yes ☐ No

# of Coolers:

Cooler Temp (including CFI):

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
7/29/21	1417	Soil	C-2/0'	1 x 4oz JAR	ICE	2107419
	1426		C-2/1'			-061
	1432		C-2/2'			-062
	1435		C-2/3'			-063
	1439		C-2/4'			-064
	1504		C-3/0'			-065
	1509		C-3/1'			-066
	1515		C-3/2'			-067
	1521		C-3/3'			-068
	1527		C-3/4'			-069
	1537		C-4/0'			-070
	1543		C-4/1'			-071
						-072

Date: Time: Relinquished by:

Date: Time: Relinquished by:

Received by:

Date Time

Received by:

Date Time

Remarks: Bill to EOG Artesia

## Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.

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

Ranger: PO Box 201179, Austin TX 78720

Phone #: 521-335-1785

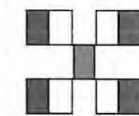
email or Fax#: Will@RangerEnv.com

QA/QC Package:

☒ Standard
 ☐ Level 4 (Full Validation)
Accreditation: ☐ Az Compliance
☒ NELAC
 ☐ Other

☒ EDD (Type)
 ☐ Excel

Turn-Around Time:		<input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush	
Project Name:		McGuire Property	
Project #:		5375	
Project Manager:		W. Kierdorf	
Sampler:		W. Kierdorf	
On Ice:		<input type="checkbox"/> Yes <input type="checkbox"/> No	
# of Coolers:			
Cooler Temp (including CFI):			
Date	Time	Matrix	Sample Name
7/20/21	1557	Soil	C-4/2'
	1605		C-4/3'
	1619		C-4/4'
	1626		C-5/0'
	1631		C-5/1'
	1637		C-5/2'
	1642		C-5/3'
	1650		C-5/4'
7/20/21	0626		C-6/0'
	0634		C-6/1'
	0642		C-6/2'
	0648		C-6/3'
Date:	Time:	Relinquished by:	
7/20/21	1900	Glenn	
Date:	Time:	Relinquished by:	
7/20/21	1900	Glenn	



# HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

## Analysis Request

TPH: 8015D (GRO / DRO / MRO) ☒ Chloride (EPA 300) ☒ BTEX (8021) ☒ HEAL No. 2107619

Remarks: Bill to EOG Artesia

Received by: Via: Date: Time: 7/20/21 1130

Received by: Via: Date: Time: 7/20/21 8:20



# Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.

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

Ranger: PO Box 201179, Austin TX 78720

Phone #: 521-335-1785

email or Fax#: Will@RangerEnv.com

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☒ NELAC ☐ Other

☒ EDD (Type) ☐ Excel

Turn-Around Time:

☒ Standard ☐ Rush

Project Name: MULLAR PROPERTY

Project #: 5375

Project Manager: W. Kierdorf

Sampler: 1x 4in Jar

On Ice: ☐ Yes ☐ No

# of Coolers:

Cooler Temp (including CF):

Container Type and #

Preservative Type

HEAL No.

Date Time Matrix Sample Name

7/30/21	0654	Soil	C-6/4'
	0702		C-7/0'
	0709		C-7/1'
	0718		C-7/2'
	0725		C-7/3'
	0737		C-7/4'
	0744		C-8/0'
	0751		C-8/1'
	0759		C-8/2'
	0806		C-8/3'
	0815		C-8/4'
	0828		C-9/0'

Date: Relinquished by:

Date: Relinquished by:

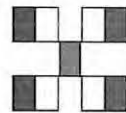
Received by: Via: Date: Time

Received by: Via: Date: Time

Date: Time

Date: Time

Remarks: Bill to EOG Artesia



**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

TPH:8015D(GRO / DRO / MRO)

Chloride (EPA 300)

BTEX (8021)

X

X

X

-085

-086

-087

-088

-089

-090

-091

-092

-093

-094

-095

-096



## Chain-of-Custody Record

Client: RANGER/ENG-ARIZONAMailing Address: EOG-105 S 4TH ST ARIZONA NM 88210RANGER - PO Box 201179 Austin TX 78720Phone #: 512-335-1785Email or Fax#: WILL@DANGERENV.COM

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)Accreditation: ☐ AZ Compliance☒ NELAC ☐ Other☒ EDD (Type) EXCEL

Turn-Around Time:

≤ Day☒ Standard ☐ RushProject Name: McCLANAHAN PROPERTYProject #: 5375Project Manager: W. KERRIDGESampler: W. KERRIDGEOn Ice: ☐ Yes ☐ No

# of Coolers:

Cooler Temp (including OF):

Container Type and #

Preservative Type

HEAL No.

2107519-097-098-099-0100-101-102-103-104-105-106-107-108-109-110-111-112-113-114-115-116-117-118-119-120-121-122-123-124-125-126-127-128-129-130-131-132-133-134-135-136-137-138-139-140-141-142-143-144-145-146-147-148-149-150-151-152-153-154-155-156-157-158-159-160-161-162-163-164-165-166-167-168-169-170-171-172-173-174-175-176-177-178-179-180-181-182-183-184-185-186-187-188-189-190-191-192-193-194-195-196-197-198-199-200-201-202-203-204-205-206-207-208-209-210-211-212-213-214-215-216-217-218-219-220-221-222-223-224-225-226-227-228-229-230-231-232-233-234-235-236-237-238-239-240-241-242-243-244-245-246-247-248-249-250-251-252-253-254-255-256-257-258-259-260-261-262-263-264-265-266-267-268-269-270-271-272-273-274-275-276-277-278-279-280-281-282-283-284-285-286-287-288-289-290-291-292-293-294-295-296-297-298-299-300-301-302-303-304-305-306-307-308-309-310-311-312-313-314-315-316-317-318-319-320-321-322-323-324-325-326-327-328-329-330-331-332-333-334-335-336-337-338-339-340-341-342-343-344-345-346-347-348-349-350-351-352-353-354-355-356-357-358-359-360-361-362-363-364-365-366-367-368-369-370-371-372-373-374-375-376-377-378-379-380-381-382-383-384-385-386-387-388-389-390-391-392-393-394-395-396-397-398-399-400





## Chain-of-Custody Record

Client: ENG-ARRESTA / DANGER ENV

Mailing Address: ENG - 105 S 4TH ST ARRESTA NM 88210

DANGER - PO BOX 201179 ALBUQUERQUE NM 87221

Phone #: 505-335-1785

email or Fax#: DANGER@DANGERENV.COM

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)Accreditation: ☐ Az Compliance☒ NELAC ☐ Other☒ EDD (Type) EXCEL

Sampler:

On Ice: ☐ Yes ☐ No

# of Coolers:

Cooler Temp (including CF): (°C)

Date Time Matrix Sample Name

7/30/21 1115 SOL A-5/0'

1120 L A-6/0'

Container Type and #

1x 4oz JAR

L

Preservative Type

ICE

L

HEAL No.

2107619

-121

-122

Turn-Around Time:

☐ Standard ☒ Rush

Project Name:

Project #:

Project Manager:

## Analysis Request

TPH:8015D(GRO / DRO / MRO)

8081 Pesticides/8082 PCB's

EDB (Method 504.1)

PAHs by 8310 or 8270SIMS

RCRA 8 Metals

Cl, F, Br, NO<sub>3</sub>, NO<sub>2</sub>, PO<sub>4</sub>, SO<sub>4</sub>

8260 (VOA)

8270 (Semi-VOA)

Total Coliform (Present/Absent)

(CHLORIDE (EPA 300))

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

Remarks:

Received by: Via: Date Time

7/30/21 1130

Received by: Via: Date Time

7/30/21 1130

Received by: Via: Date Time

7/30/21 1130

Received by: Via: Date Time

7/30/21 1130



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

---

October 20, 2021

WILL KIERDORF

RANGER ENVIRONMENTAL SERVICES, INC.

PO BOX 201179

AUSTIN, TX 78729

RE: EOG - MC CULLAR PROPERTY

Enclosed are the results of analyses for samples received by the laboratory on 10/20/21 7:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Mike Snyder". The signature is fluid and cursive, with the first name "Mike" and last name "Snyder" clearly distinguishable.

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

RANGER ENVIRONMENTAL SERVICES, INC.  
 WILL KIERDORF  
 PO BOX 201179  
 AUSTIN TX, 78729  
 Fax To: (512) 335-0527

Received:	10/20/2021	Sampling Date:	10/19/2021
Reported:	10/20/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: A - 1 / 2.5' (H212941-01)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/20/2021	ND	2.16	108	2.00	8.04	
Toluene*	<0.050	0.050	10/20/2021	ND	2.12	106	2.00	8.44	
Ethylbenzene*	<0.050	0.050	10/20/2021	ND	2.09	105	2.00	9.07	
Total Xylenes*	<0.150	0.150	10/20/2021	ND	6.35	106	6.00	9.97	
Total BTEX	<0.300	0.300	10/20/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	10/20/2021	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/20/2021	ND	209	105	200	3.01	
DRO >C10-C28*	<10.0	10.0	10/20/2021	ND	198	99.2	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	10/20/2021	ND					

Surrogate: 1-Chlorooctane 78.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 75.7 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

RANGER ENVIRONMENTAL SERVICES, INC.  
 WILL KIERDORF  
 PO BOX 201179  
 AUSTIN TX, 78729  
 Fax To: (512) 335-0527

Received:	10/20/2021	Sampling Date:	10/19/2021
Reported:	10/20/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: A - 2 / 2.5' (H212941-02)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/20/2021	ND	2.16	108	2.00	8.04	
Toluene*	<0.050	0.050	10/20/2021	ND	2.12	106	2.00	8.44	
Ethylbenzene*	<0.050	0.050	10/20/2021	ND	2.09	105	2.00	9.07	
Total Xylenes*	<0.150	0.150	10/20/2021	ND	6.35	106	6.00	9.97	
Total BTX	<0.300	0.300	10/20/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	10/20/2021	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/20/2021	ND	209	105	200	3.01	
DRO >C10-C28*	<10.0	10.0	10/20/2021	ND	198	99.2	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	10/20/2021	ND					

Surrogate: 1-Chlorooctane 77.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 73.8 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

RANGER ENVIRONMENTAL SERVICES, INC.  
 WILL KIERDORF  
 PO BOX 201179  
 AUSTIN TX, 78729  
 Fax To: (512) 335-0527

Received:	10/20/2021	Sampling Date:	10/19/2021
Reported:	10/20/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: A - 3 / 4.25' (H212941-03)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/20/2021	ND	2.16	108	2.00	8.04		
Toluene*	<0.050	0.050	10/20/2021	ND	2.12	106	2.00	8.44		
Ethylbenzene*	<0.050	0.050	10/20/2021	ND	2.09	105	2.00	9.07		
Total Xylenes*	<0.150	0.150	10/20/2021	ND	6.35	106	6.00	9.97		
Total BTEx	<0.300	0.300	10/20/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	10/20/2021	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/20/2021	ND	209	105	200	3.01	
DRO >C10-C28*	<10.0	10.0	10/20/2021	ND	198	99.2	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	10/20/2021	ND					

Surrogate: 1-Chlorooctane 83.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 80.3 % 38.9-142

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

RANGER ENVIRONMENTAL SERVICES, INC.  
 WILL KIERDORF  
 PO BOX 201179  
 AUSTIN TX, 78729  
 Fax To: (512) 335-0527

Received:	10/20/2021	Sampling Date:	10/19/2021
Reported:	10/20/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: B - 1 / 2.5' (H212941-04)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/20/2021	ND	2.16	108	2.00	8.04		
Toluene*	<0.050	0.050	10/20/2021	ND	2.12	106	2.00	8.44		
Ethylbenzene*	<0.050	0.050	10/20/2021	ND	2.09	105	2.00	9.07		
Total Xylenes*	<0.150	0.150	10/20/2021	ND	6.35	106	6.00	9.97		
Total BTEX	<0.300	0.300	10/20/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	10/20/2021	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/20/2021	ND	209	105	200	3.01	
DRO >C10-C28*	<10.0	10.0	10/20/2021	ND	198	99.2	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	10/20/2021	ND					

Surrogate: 1-Chlorooctane 82.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 78.9 % 38.9-142

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RANGER ENVIRONMENTAL SERVICES, INC.  
 WILL KIERDORF  
 PO BOX 201179  
 AUSTIN TX, 78729  
 Fax To: (512) 335-0527

Received:	10/20/2021	Sampling Date:	10/19/2021
Reported:	10/20/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: B - 2 / 2.5' (H212941-05)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/20/2021	ND	2.16	108	2.00	8.04		
Toluene*	<0.050	0.050	10/20/2021	ND	2.12	106	2.00	8.44		
Ethylbenzene*	<0.050	0.050	10/20/2021	ND	2.09	105	2.00	9.07		
Total Xylenes*	<0.150	0.150	10/20/2021	ND	6.35	106	6.00	9.97		
Total BTX	<0.300	0.300	10/20/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	10/20/2021	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/20/2021	ND	209	105	200	3.01	
DRO >C10-C28*	<10.0	10.0	10/20/2021	ND	198	99.2	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	10/20/2021	ND					

Surrogate: 1-Chlorooctane 77.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 73.8 % 38.9-142

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RANGER ENVIRONMENTAL SERVICES, INC.  
 WILL KIERDORF  
 PO BOX 201179  
 AUSTIN TX, 78729  
 Fax To: (512) 335-0527

Received:	10/20/2021	Sampling Date:	10/19/2021
Reported:	10/20/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: B - 3 / 2.5' (H212941-06)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/20/2021	ND	2.16	108	2.00	8.04		
Toluene*	<0.050	0.050	10/20/2021	ND	2.12	106	2.00	8.44		
Ethylbenzene*	<0.050	0.050	10/20/2021	ND	2.09	105	2.00	9.07		
Total Xylenes*	<0.150	0.150	10/20/2021	ND	6.35	106	6.00	9.97		
Total BTEx	<0.300	0.300	10/20/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	10/20/2021	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/20/2021	ND	209	105	200	3.01	
DRO >C10-C28*	<10.0	10.0	10/20/2021	ND	198	99.2	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	10/20/2021	ND					

Surrogate: 1-Chlorooctane 85.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 81.7 % 38.9-142

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RANGER ENVIRONMENTAL SERVICES, INC.  
 WILL KIERDORF  
 PO BOX 201179  
 AUSTIN TX, 78729  
 Fax To: (512) 335-0527

Received:	10/20/2021	Sampling Date:	10/19/2021
Reported:	10/20/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: A - W / 0' (H212941-07)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/20/2021	ND	2.16	108	2.00	8.04		
Toluene*	<0.050	0.050	10/20/2021	ND	2.12	106	2.00	8.44		
Ethylbenzene*	<0.050	0.050	10/20/2021	ND	2.09	105	2.00	9.07		
Total Xylenes*	<0.150	0.150	10/20/2021	ND	6.35	106	6.00	9.97		
Total BTEX	<0.300	0.300	10/20/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	10/20/2021	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/20/2021	ND	209	105	200	3.01	
DRO >C10-C28*	<10.0	10.0	10/20/2021	ND	198	99.2	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	10/20/2021	ND					

Surrogate: 1-Chlorooctane 76.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 72.8 % 38.9-142

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RANGER ENVIRONMENTAL SERVICES, INC.  
 WILL KIERDORF  
 PO BOX 201179  
 AUSTIN TX, 78729  
 Fax To: (512) 335-0527

Received:	10/20/2021	Sampling Date:	10/19/2021
Reported:	10/20/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: NW - 1 (H212941-08)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/20/2021	ND	2.16	108	2.00	8.04		
Toluene*	<0.050	0.050	10/20/2021	ND	2.12	106	2.00	8.44		
Ethylbenzene*	<0.050	0.050	10/20/2021	ND	2.09	105	2.00	9.07		
Total Xylenes*	<0.150	0.150	10/20/2021	ND	6.35	106	6.00	9.97		
Total BTEx	<0.300	0.300	10/20/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	10/20/2021	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/20/2021	ND	209	105	200	3.01	
DRO >C10-C28*	<10.0	10.0	10/20/2021	ND	198	99.2	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	10/20/2021	ND					

Surrogate: 1-Chlorooctane 70.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 67.3 % 38.9-142

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**Analytical Results For:**

RANGER ENVIRONMENTAL SERVICES, INC.  
 WILL KIERDORF  
 PO BOX 201179  
 AUSTIN TX, 78729  
 Fax To: (512) 335-0527

Received:	10/20/2021	Sampling Date:	10/19/2021
Reported:	10/20/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: WW - 1 (H212941-09)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/20/2021	ND	2.16	108	2.00	8.04		
Toluene*	<0.050	0.050	10/20/2021	ND	2.12	106	2.00	8.44		
Ethylbenzene*	<0.050	0.050	10/20/2021	ND	2.09	105	2.00	9.07		
Total Xylenes*	<0.150	0.150	10/20/2021	ND	6.35	106	6.00	9.97		
Total BTEX	<0.300	0.300	10/20/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	10/20/2021	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/20/2021	ND	209	105	200	3.01	
DRO >C10-C28*	<10.0	10.0	10/20/2021	ND	198	99.2	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	10/20/2021	ND					

Surrogate: 1-Chlorooctane 78.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 75.5 % 38.9-142

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**Analytical Results For:**

RANGER ENVIRONMENTAL SERVICES, INC.  
 WILL KIERDORF  
 PO BOX 201179  
 AUSTIN TX, 78729  
 Fax To: (512) 335-0527

Received:	10/20/2021	Sampling Date:	10/19/2021
Reported:	10/20/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: A - 9 / 2.5' (H212941-10)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/20/2021	ND	2.16	108	2.00	8.04		
Toluene*	<0.050	0.050	10/20/2021	ND	2.12	106	2.00	8.44		
Ethylbenzene*	<0.050	0.050	10/20/2021	ND	2.09	105	2.00	9.07		
Total Xylenes*	<0.150	0.150	10/20/2021	ND	6.35	106	6.00	9.97		
Total BTEx	<0.300	0.300	10/20/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	10/20/2021	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/20/2021	ND	209	105	200	3.01	
DRO >C10-C28*	<10.0	10.0	10/20/2021	ND	198	99.2	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	10/20/2021	ND					

Surrogate: 1-Chlorooctane 81.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 78.3 % 38.9-142

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager





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### Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Mike Snyder", is written over a horizontal line.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<b>Company Name:</b> RAMSEY ENV <b>Project Manager:</b> W. KIERDOFF <b>Address:</b> PO Box 201179 <b>City:</b> ALBUQUERQUE <b>State:</b> TX <b>Zip:</b> 78720 <b>Phone #:</b> 512-289-3272 <b>Fax #:</b> <b>Project #:</b> 5375 <b>Project Owner:</b> ENS <b>Project Name:</b> McALLAN PROPERTY <b>Project Location:</b> Eddy Co, NM <b>Sample Name:</b> W. KIERDOFF		<b>BILL TO</b> <b>P.O. #:</b> 5375 <b>Company:</b> ENS RESOURCES, INC. <b>Attn:</b> CHAUCER <b>Address:</b> 1045 4TH STREET <b>City:</b> ALBUQUERQUE <b>State:</b> NM <b>Zip:</b> 85210 <b>Phone #:</b> 505-703-5537 <b>Fax #:</b>		<b>ANALYSIS REQUEST</b>	
<b>Lab I.D.</b> H212941		<b>Sample I.D.</b>		<b>FOR LAB USE ONLY</b>	
1 A-1/2.5' 2 A-2/2.5' 3 A-3/4.35' 4 B-1/2.5' 5 B-2/2.5' 6 B-3/2.5' 7 A-4/0' 8 NW-1 9 NW-1 10 A-9/2.5'		(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :		MATRIX PRESERV SAMPLING	
DATE 10-20-21 TIME 0755 RECEIVED BY: JUANITA DELABAYE		DATE 10/19/21 TIME 1149 RECEIVED BY: JUANITA DELABAYE		DATE 10/19/21 TIME 0850 RECEIVED BY: JUANITA DELABAYE	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C Corrected Temp. °C		Sample Condition Cool Intact Yes Yes No No	
Turnaround Time: Thermometer ID #113 Correction Factor -0.5°C		Standard Rush SMC only		Bacteria (only) Sample Condition Cool Intact Yes Yes No No	
REMARKS: EMAIL TO - WILLY@RAMSEYENV.COM CHAUCER SERVICE@ENSRESOURCES.COM		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:		All Results are emailed. Please provide Email address:	



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

October 21, 2021

WILL KIERDORF

RANGER ENVIRONMENTAL SERVICES, INC.

PO BOX 201179

AUSTIN, TX 78729

RE: EOG - MC CULLAR PROPERTY

Enclosed are the results of analyses for samples received by the laboratory on 10/20/21 14:32.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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**Analytical Results For:**

RANGER ENVIRONMENTAL SERVICES, INC.  
 WILL KIERDORF  
 PO BOX 201179  
 AUSTIN TX, 78729  
 Fax To: (512) 335-0527

Received:	10/20/2021	Sampling Date:	10/20/2021
Reported:	10/21/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: A - 7 / 2.5' (H212956-01)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/20/2021	ND	2.10	105	2.00	3.08		
Toluene*	<0.050	0.050	10/20/2021	ND	2.09	104	2.00	2.29		
Ethylbenzene*	<0.050	0.050	10/20/2021	ND	2.05	102	2.00	2.35		
Total Xylenes*	<0.150	0.150	10/20/2021	ND	6.20	103	6.00	2.09		
Total BTEX	<0.300	0.300	10/20/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	10/21/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/20/2021	ND	207	104	200	3.45	
DRO >C10-C28*	<10.0	10.0	10/20/2021	ND	194	97.0	200	3.04	
EXT DRO >C28-C36	<10.0	10.0	10/20/2021	ND					

Surrogate: 1-Chlorooctane 81.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 79.6 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RANGER ENVIRONMENTAL SERVICES, INC.  
 WILL KIERDORF  
 PO BOX 201179  
 AUSTIN TX, 78729  
 Fax To: (512) 335-0527

Received:	10/20/2021	Sampling Date:	10/20/2021
Reported:	10/21/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: A - 8 / 2.5' (H212956-02)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/20/2021	ND	2.10	105	2.00	3.08	
Toluene*	<0.050	0.050	10/20/2021	ND	2.09	104	2.00	2.29	
Ethylbenzene*	<0.050	0.050	10/20/2021	ND	2.05	102	2.00	2.35	
Total Xylenes*	<0.150	0.150	10/20/2021	ND	6.20	103	6.00	2.09	
Total BTX	<0.300	0.300	10/20/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	10/21/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/20/2021	ND	207	104	200	3.45	
DRO >C10-C28*	<10.0	10.0	10/20/2021	ND	194	97.0	200	3.04	
EXT DRO >C28-C36	<10.0	10.0	10/20/2021	ND					

Surrogate: 1-Chlorooctane 72.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 70.2 % 38.9-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RANGER ENVIRONMENTAL SERVICES, INC.  
 WILL KIERDORF  
 PO BOX 201179  
 AUSTIN TX, 78729  
 Fax To: (512) 335-0527

Received:	10/20/2021	Sampling Date:	10/20/2021
Reported:	10/21/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: B - 7 / 2.5' (H212956-03)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/20/2021	ND	2.10	105	2.00	3.08		
Toluene*	<0.050	0.050	10/20/2021	ND	2.09	104	2.00	2.29		
Ethylbenzene*	<0.050	0.050	10/20/2021	ND	2.05	102	2.00	2.35		
Total Xylenes*	<0.150	0.150	10/20/2021	ND	6.20	103	6.00	2.09		
Total BTEx	<0.300	0.300	10/20/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	10/21/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/20/2021	ND	207	104	200	3.45	
DRO >C10-C28*	<10.0	10.0	10/20/2021	ND	194	97.0	200	3.04	
EXT DRO >C28-C36	<10.0	10.0	10/20/2021	ND					

Surrogate: 1-Chlorooctane 71.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 68.2 % 38.9-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

RANGER ENVIRONMENTAL SERVICES, INC.  
 WILL KIERDORF  
 PO BOX 201179  
 AUSTIN TX, 78729  
 Fax To: (512) 335-0527

Received:	10/20/2021	Sampling Date:	10/20/2021
Reported:	10/21/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: B - 8 / 2.5' (H212956-04)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/20/2021	ND	2.10	105	2.00	3.08		
Toluene*	<0.050	0.050	10/20/2021	ND	2.09	104	2.00	2.29		
Ethylbenzene*	<0.050	0.050	10/20/2021	ND	2.05	102	2.00	2.35		
Total Xylenes*	<0.150	0.150	10/20/2021	ND	6.20	103	6.00	2.09		
Total BTEx	<0.300	0.300	10/20/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	10/21/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/20/2021	ND	207	104	200	3.45	
DRO >C10-C28*	<10.0	10.0	10/20/2021	ND	194	97.0	200	3.04	
EXT DRO >C28-C36	<10.0	10.0	10/20/2021	ND					

Surrogate: 1-Chlorooctane 66.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 64.2 % 38.9-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RANGER ENVIRONMENTAL SERVICES, INC.  
 WILL KIERDORF  
 PO BOX 201179  
 AUSTIN TX, 78729  
 Fax To: (512) 335-0527

Received:	10/20/2021	Sampling Date:	10/20/2021
Reported:	10/21/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: B - 9 / 2.5' (H212956-05)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/20/2021	ND	2.10	105	2.00	3.08		
Toluene*	<0.050	0.050	10/20/2021	ND	2.09	104	2.00	2.29		
Ethylbenzene*	<0.050	0.050	10/20/2021	ND	2.05	102	2.00	2.35		
Total Xylenes*	<0.150	0.150	10/20/2021	ND	6.20	103	6.00	2.09		
Total BTEx	<0.300	0.300	10/20/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	10/21/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/20/2021	ND	207	104	200	3.45	
DRO >C10-C28*	<10.0	10.0	10/20/2021	ND	194	97.0	200	3.04	
EXT DRO >C28-C36	<10.0	10.0	10/20/2021	ND					

Surrogate: 1-Chlorooctane 71.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 68.9 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

RANGER ENVIRONMENTAL SERVICES, INC.  
 WILL KIERDORF  
 PO BOX 201179  
 AUSTIN TX, 78729  
 Fax To: (512) 335-0527

Received:	10/20/2021	Sampling Date:	10/20/2021
Reported:	10/21/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: NW - 2 (H212956-06)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/20/2021	ND	2.10	105	2.00	3.08		
Toluene*	<0.050	0.050	10/20/2021	ND	2.09	104	2.00	2.29		
Ethylbenzene*	<0.050	0.050	10/20/2021	ND	2.05	102	2.00	2.35		
Total Xylenes*	<0.150	0.150	10/20/2021	ND	6.20	103	6.00	2.09		
Total BTEx	<0.300	0.300	10/20/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	10/21/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/20/2021	ND	207	104	200	3.45	
DRO >C10-C28*	<10.0	10.0	10/20/2021	ND	194	97.0	200	3.04	
EXT DRO >C28-C36	<10.0	10.0	10/20/2021	ND					

Surrogate: 1-Chlorooctane 78.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 75.4 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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### Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

---

Cardinal Laboratories

\*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager

101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

---

October 26, 2021

WILL KIERDORF

RANGER ENVIRONMENTAL SERVICES, INC.

PO BOX 201179

AUSTIN, TX 78729

RE: EOG - MC CULLAR PROPERTY

Enclosed are the results of analyses for samples received by the laboratory on 10/26/21 8:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

RANGER ENVIRONMENTAL SERVICES, INC.  
 WILL KIERDORF  
 PO BOX 201179  
 AUSTIN TX, 78729  
 Fax To: (512) 335-0527

Received:	10/26/2021	Sampling Date:	10/25/2021
Reported:	10/26/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Jodi Henson
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: A - 6 / 2.5' (H213002-01)**

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/26/2021	ND	1.94	96.8	2.00	7.22	
Toluene*	<0.050	0.050	10/26/2021	ND	1.91	95.5	2.00	9.10	
Ethylbenzene*	<0.050	0.050	10/26/2021	ND	1.91	95.7	2.00	10.3	
Total Xylenes*	<0.150	0.150	10/26/2021	ND	5.68	94.7	6.00	9.52	
Total BTEX	<0.300	0.300	10/26/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	10/26/2021	ND	400	100	400	3.92	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/26/2021	ND	221	111	200	0.952	
DRO >C10-C28*	<10.0	10.0	10/26/2021	ND	215	107	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	10/26/2021	ND					

Surrogate: 1-Chlorooctane 88.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 86.0 % 38.9-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RANGER ENVIRONMENTAL SERVICES, INC.  
 WILL KIERDORF  
 PO BOX 201179  
 AUSTIN TX, 78729  
 Fax To: (512) 335-0527

Received:	10/26/2021	Sampling Date:	10/25/2021
Reported:	10/26/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Jodi Henson
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: A - 5 / 2.5' (H213002-02)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/26/2021	ND	1.94	96.8	2.00	7.22		
Toluene*	<0.050	0.050	10/26/2021	ND	1.91	95.5	2.00	9.10		
Ethylbenzene*	<0.050	0.050	10/26/2021	ND	1.91	95.7	2.00	10.3		
Total Xylenes*	<0.150	0.150	10/26/2021	ND	5.68	94.7	6.00	9.52		
Total BTEx	<0.300	0.300	10/26/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	10/26/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/26/2021	ND	221	111	200	0.952	
DRO >C10-C28*	<10.0	10.0	10/26/2021	ND	215	107	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	10/26/2021	ND					

Surrogate: 1-Chlorooctane 86.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 84.5 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RANGER ENVIRONMENTAL SERVICES, INC.  
 WILL KIERDORF  
 PO BOX 201179  
 AUSTIN TX, 78729  
 Fax To: (512) 335-0527

Received:	10/26/2021	Sampling Date:	10/25/2021
Reported:	10/26/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Jodi Henson
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: A - 4 / 3' (H213002-03)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/26/2021	ND	1.94	96.8	2.00	7.22		
Toluene*	<0.050	0.050	10/26/2021	ND	1.91	95.5	2.00	9.10		
Ethylbenzene*	<0.050	0.050	10/26/2021	ND	1.91	95.7	2.00	10.3		
Total Xylenes*	<0.150	0.150	10/26/2021	ND	5.68	94.7	6.00	9.52		
Total BTEx	<0.300	0.300	10/26/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	10/26/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/26/2021	ND	221	111	200	0.952	
DRO >C10-C28*	<10.0	10.0	10/26/2021	ND	215	107	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	10/26/2021	ND					

Surrogate: 1-Chlorooctane 86.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 83.8 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RANGER ENVIRONMENTAL SERVICES, INC.  
 WILL KIERDORF  
 PO BOX 201179  
 AUSTIN TX, 78729  
 Fax To: (512) 335-0527

Received:	10/26/2021	Sampling Date:	10/25/2021
Reported:	10/26/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Jodi Henson
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: B - 4 / 2.5' (H213002-04)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/26/2021	ND	1.94	96.8	2.00	7.22		
Toluene*	<0.050	0.050	10/26/2021	ND	1.91	95.5	2.00	9.10		
Ethylbenzene*	<0.050	0.050	10/26/2021	ND	1.91	95.7	2.00	10.3		
Total Xylenes*	<0.150	0.150	10/26/2021	ND	5.68	94.7	6.00	9.52		
Total BTX	<0.300	0.300	10/26/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	10/26/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/26/2021	ND	221	111	200	0.952	
DRO >C10-C28*	<10.0	10.0	10/26/2021	ND	215	107	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	10/26/2021	ND					

Surrogate: 1-Chlorooctane 89.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 87.2 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RANGER ENVIRONMENTAL SERVICES, INC.  
 WILL KIERDORF  
 PO BOX 201179  
 AUSTIN TX, 78729  
 Fax To: (512) 335-0527

Received:	10/26/2021	Sampling Date:	10/25/2021
Reported:	10/26/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Jodi Henson
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: B - 5 / 2.5' (H213002-05)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/26/2021	ND	1.94	96.8	2.00	7.22		
Toluene*	<0.050	0.050	10/26/2021	ND	1.91	95.5	2.00	9.10		
Ethylbenzene*	<0.050	0.050	10/26/2021	ND	1.91	95.7	2.00	10.3		
Total Xylenes*	<0.150	0.150	10/26/2021	ND	5.68	94.7	6.00	9.52		
Total BTX	<0.300	0.300	10/26/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	10/26/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/26/2021	ND	221	111	200	0.952	
DRO >C10-C28*	<10.0	10.0	10/26/2021	ND	215	107	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	10/26/2021	ND					

Surrogate: 1-Chlorooctane 73.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 71.0 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RANGER ENVIRONMENTAL SERVICES, INC.  
 WILL KIERDORF  
 PO BOX 201179  
 AUSTIN TX, 78729  
 Fax To: (512) 335-0527

Received:	10/26/2021	Sampling Date:	10/25/2021
Reported:	10/26/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Jodi Henson
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: B - 6 / 3.25' (H213002-06)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/26/2021	ND	1.94	96.8	2.00	7.22		
Toluene*	<0.050	0.050	10/26/2021	ND	1.91	95.5	2.00	9.10		
Ethylbenzene*	<0.050	0.050	10/26/2021	ND	1.91	95.7	2.00	10.3		
Total Xylenes*	<0.150	0.150	10/26/2021	ND	5.68	94.7	6.00	9.52		
Total BTEx	<0.300	0.300	10/26/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	10/26/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/26/2021	ND	221	111	200	0.952	
DRO >C10-C28*	<10.0	10.0	10/26/2021	ND	215	107	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	10/26/2021	ND					

Surrogate: 1-Chlorooctane 88.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 85.3 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

RANGER ENVIRONMENTAL SERVICES, INC.  
 WILL KIERDORF  
 PO BOX 201179  
 AUSTIN TX, 78729  
 Fax To: (512) 335-0527

Received:	10/26/2021	Sampling Date:	10/25/2021
Reported:	10/26/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Jodi Henson
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: N WALL / 1.5'-18" (H213002-07)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/26/2021	ND	1.94	96.8	2.00	7.22		
Toluene*	<0.050	0.050	10/26/2021	ND	1.91	95.5	2.00	9.10		
Ethylbenzene*	<0.050	0.050	10/26/2021	ND	1.91	95.7	2.00	10.3		
Total Xylenes*	<0.150	0.150	10/26/2021	ND	5.68	94.7	6.00	9.52		
Total BTX	<0.300	0.300	10/26/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1360	16.0	10/26/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/26/2021	ND	221	111	200	0.952	
DRO >C10-C28*	<10.0	10.0	10/26/2021	ND	215	107	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	10/26/2021	ND					

Surrogate: 1-Chlorooctane 85.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 83.9 % 38.9-142

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### Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>LAUREN EVU</u>		<b>BILL TO</b>		P.O. #: <u>5375</u>		ANALYSIS REQUEST	
Project Manager: <u>W. KEENE</u>		Address: <u>PO BOX 201179</u>		Company: <u>CELESTINE SOUTHERN INC</u>			
City: <u>AUSTIN</u>		State: <u>TX</u> Zip: <u>78720</u>		Attn: <u>CHASE SETTLE</u>			
Phone #: <u>512.289.3272</u>		Fax #: _____		Address: <u>1045 9TH ST</u>			
Project #: <u>5375</u>		Project Owner: <u>EOG</u>		City: <u>ARIZONA</u>			
Project Name: <u>MCCULLAR PROPERTY</u>		State: <u>NM</u> Zip: <u>88210</u>		Phone #: <u>575-705-6537</u>			
Project Location: <u>EDDY CO NM</u>		Fax #: _____					
Sampler Name: <u>R. Martin</u>							

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	BTEX (8021)	TPH (8015)	CMR200C (SM 4500)	
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :						ACID/BASE:
H213002	A-6/2.5'	C	1	X							10/25/21	1010	X	X	X
	A-5/2.5'	C	1	X								1135	X	X	X
	A-4/3'	C	1	X								1335	X	X	X
	B-4/2.5'	C	1	X								1430	X	X	X
	B-5/2.5'	C	1	X								1435	X	X	X
	B-6/3.25'	C	1	X								1650	X	X	X
	N wall / 1.5' - 18"	C	1	X								1655	X	X	X

Relinquished By: <u>R. Martin</u>		Date: <u>10/26/21</u>	Received By: <u>Celestine Southern</u>
Relinquished By: _____		Date: _____	Received By: _____
Delivered By: (Circle One) Sampler - UPS - Bus - Other: _____		Observed Temp. °C: <u>3.8</u>	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
		Corrected Temp. °C: <u>3.3</u>	CHICKEN BY: <u>(Initials)</u>
Turnaround Time: _____		Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>	Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No
Thermometer ID #113		Correction Factor -0.5°C	Observed Temp. °C: _____
			Corrected Temp. °C: _____

REMARKS: Little Range Creek, NM & Chase - Settle Celestine Southern, CO

FORM-0007-R-3-2 10/07/21

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

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October 27, 2021

WILL KIERDORF

RANGER ENVIRONMENTAL SERVICES, INC.

PO BOX 201179

AUSTIN, TX 78729

RE: EOG - MC CULLAR PROPERTY

Enclosed are the results of analyses for samples received by the laboratory on 10/27/21 8:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

RANGER ENVIRONMENTAL SERVICES, INC.  
 WILL KIERDORF  
 PO BOX 201179  
 AUSTIN TX, 78729  
 Fax To: (512) 335-0527

Received:	10/27/2021	Sampling Date:	10/26/2021
Reported:	10/27/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: C - 1 / 2.5' (H213015-01)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/27/2021	ND	2.06	103	2.00	3.63		
Toluene*	<0.050	0.050	10/27/2021	ND	1.96	98.1	2.00	3.49		
Ethylbenzene*	<0.050	0.050	10/27/2021	ND	1.96	97.8	2.00	3.95		
Total Xylenes*	<0.150	0.150	10/27/2021	ND	5.95	99.1	6.00	3.60		
Total BTEX	<0.300	0.300	10/27/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	10/27/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/27/2021	ND	203	102	200	10.5	
DRO >C10-C28*	<10.0	10.0	10/27/2021	ND	197	98.3	200	11.2	
EXT DRO >C28-C36	<10.0	10.0	10/27/2021	ND					

Surrogate: 1-Chlorooctane 76.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 74.8 % 38.9-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RANGER ENVIRONMENTAL SERVICES, INC.  
 WILL KIERDORF  
 PO BOX 201179  
 AUSTIN TX, 78729  
 Fax To: (512) 335-0527

Received:	10/27/2021	Sampling Date:	10/26/2021
Reported:	10/27/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: C - 2 / 2.5' (H213015-02)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/27/2021	ND	2.06	103	2.00	3.63		
Toluene*	<0.050	0.050	10/27/2021	ND	1.96	98.1	2.00	3.49		
Ethylbenzene*	<0.050	0.050	10/27/2021	ND	1.96	97.8	2.00	3.95		
Total Xylenes*	<0.150	0.150	10/27/2021	ND	5.95	99.1	6.00	3.60		
Total BTEx	<0.300	0.300	10/27/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	10/27/2021	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/27/2021	ND	203	102	200	10.5	
DRO >C10-C28*	<10.0	10.0	10/27/2021	ND	197	98.3	200	11.2	
EXT DRO >C28-C36	<10.0	10.0	10/27/2021	ND					

Surrogate: 1-Chlorooctane 75.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 74.4 % 38.9-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

RANGER ENVIRONMENTAL SERVICES, INC.  
 WILL KIERDORF  
 PO BOX 201179  
 AUSTIN TX, 78729  
 Fax To: (512) 335-0527

Received:	10/27/2021	Sampling Date:	10/26/2021
Reported:	10/27/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: C - 3 / 2.5' (H213015-03)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/27/2021	ND	2.06	103	2.00	3.63		
Toluene*	<0.050	0.050	10/27/2021	ND	1.96	98.1	2.00	3.49		
Ethylbenzene*	<0.050	0.050	10/27/2021	ND	1.96	97.8	2.00	3.95		
Total Xylenes*	<0.150	0.150	10/27/2021	ND	5.95	99.1	6.00	3.60		
Total BTEx	<0.300	0.300	10/27/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	10/27/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/27/2021	ND	203	102	200	10.5	
DRO >C10-C28*	<10.0	10.0	10/27/2021	ND	197	98.3	200	11.2	
EXT DRO >C28-C36	<10.0	10.0	10/27/2021	ND					

Surrogate: 1-Chlorooctane 85.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 84.5 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RANGER ENVIRONMENTAL SERVICES, INC.  
 WILL KIERDORF  
 PO BOX 201179  
 AUSTIN TX, 78729  
 Fax To: (512) 335-0527

Received:	10/27/2021	Sampling Date:	10/26/2021
Reported:	10/27/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: C - 4 / 2.5' (H213015-04)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/27/2021	ND	2.06	103	2.00	3.63		
Toluene*	<0.050	0.050	10/27/2021	ND	1.96	98.1	2.00	3.49		
Ethylbenzene*	<0.050	0.050	10/27/2021	ND	1.96	97.8	2.00	3.95		
Total Xylenes*	<0.150	0.150	10/27/2021	ND	5.95	99.1	6.00	3.60		
Total BTEx	<0.300	0.300	10/27/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	10/27/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/27/2021	ND	203	102	200	10.5	
DRO >C10-C28*	<10.0	10.0	10/27/2021	ND	197	98.3	200	11.2	
EXT DRO >C28-C36	<10.0	10.0	10/27/2021	ND					

Surrogate: 1-Chlorooctane 92.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 91.7 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RANGER ENVIRONMENTAL SERVICES, INC.  
 WILL KIERDORF  
 PO BOX 201179  
 AUSTIN TX, 78729  
 Fax To: (512) 335-0527

Received:	10/27/2021	Sampling Date:	10/26/2021
Reported:	10/27/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: C - 5 / 2.5' (H213015-05)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/27/2021	ND	2.06	103	2.00	3.63		
Toluene*	<0.050	0.050	10/27/2021	ND	1.96	98.1	2.00	3.49		
Ethylbenzene*	<0.050	0.050	10/27/2021	ND	1.96	97.8	2.00	3.95		
Total Xylenes*	<0.150	0.150	10/27/2021	ND	5.95	99.1	6.00	3.60		
Total BTEx	<0.300	0.300	10/27/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	10/27/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/27/2021	ND	203	102	200	10.5	
DRO >C10-C28*	<10.0	10.0	10/27/2021	ND	197	98.3	200	11.2	
EXT DRO >C28-C36	<10.0	10.0	10/27/2021	ND					

Surrogate: 1-Chlorooctane 83.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 82.0 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RANGER ENVIRONMENTAL SERVICES, INC.  
 WILL KIERDORF  
 PO BOX 201179  
 AUSTIN TX, 78729  
 Fax To: (512) 335-0527

Received:	10/27/2021	Sampling Date:	10/26/2021
Reported:	10/27/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: C - 5 / 4' (H213015-06)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/27/2021	ND	2.06	103	2.00	3.63		
Toluene*	<0.050	0.050	10/27/2021	ND	1.96	98.1	2.00	3.49		
Ethylbenzene*	<0.050	0.050	10/27/2021	ND	1.96	97.8	2.00	3.95		
Total Xylenes*	<0.150	0.150	10/27/2021	ND	5.95	99.1	6.00	3.60		
Total BTEX	<0.300	0.300	10/27/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	10/27/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/27/2021	ND	203	102	200	10.5	
DRO >C10-C28*	<10.0	10.0	10/27/2021	ND	197	98.3	200	11.2	
EXT DRO >C28-C36	<10.0	10.0	10/27/2021	ND					

Surrogate: 1-Chlorooctane 92.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 91.6 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RANGER ENVIRONMENTAL SERVICES, INC.  
 WILL KIERDORF  
 PO BOX 201179  
 AUSTIN TX, 78729  
 Fax To: (512) 335-0527

Received:	10/27/2021	Sampling Date:	10/26/2021
Reported:	10/27/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: C - 6 / 2.5' (H213015-07)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/27/2021	ND	2.06	103	2.00	3.63		
Toluene*	<0.050	0.050	10/27/2021	ND	1.96	98.1	2.00	3.49		
Ethylbenzene*	<0.050	0.050	10/27/2021	ND	1.96	97.8	2.00	3.95		
Total Xylenes*	<0.150	0.150	10/27/2021	ND	5.95	99.1	6.00	3.60		
Total BTEx	<0.300	0.300	10/27/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	10/27/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/27/2021	ND	203	102	200	10.5	
DRO >C10-C28*	<10.0	10.0	10/27/2021	ND	197	98.3	200	11.2	
EXT DRO >C28-C36	<10.0	10.0	10/27/2021	ND					

Surrogate: 1-Chlorooctane 86.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 86.2 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RANGER ENVIRONMENTAL SERVICES, INC.  
 WILL KIERDORF  
 PO BOX 201179  
 AUSTIN TX, 78729  
 Fax To: (512) 335-0527

Received:	10/27/2021	Sampling Date:	10/26/2021
Reported:	10/27/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: C - 7 / 2.5' (H213015-08)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/27/2021	ND	2.06	103	2.00	3.63		
Toluene*	<0.050	0.050	10/27/2021	ND	1.96	98.1	2.00	3.49		
Ethylbenzene*	<0.050	0.050	10/27/2021	ND	1.96	97.8	2.00	3.95		
Total Xylenes*	<0.150	0.150	10/27/2021	ND	5.95	99.1	6.00	3.60		
Total BTEx	<0.300	0.300	10/27/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	10/27/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/27/2021	ND	203	102	200	10.5	
DRO >C10-C28*	<10.0	10.0	10/27/2021	ND	197	98.3	200	11.2	
EXT DRO >C28-C36	<10.0	10.0	10/27/2021	ND					

Surrogate: 1-Chlorooctane 78.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 80.7 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

RANGER ENVIRONMENTAL SERVICES, INC.  
 WILL KIERDORF  
 PO BOX 201179  
 AUSTIN TX, 78729  
 Fax To: (512) 335-0527

Received:	10/27/2021	Sampling Date:	10/26/2021
Reported:	10/27/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: C - 8 / 3' (H213015-09)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/27/2021	ND	2.06	103	2.00	3.63		
Toluene*	<0.050	0.050	10/27/2021	ND	1.96	98.1	2.00	3.49		
Ethylbenzene*	<0.050	0.050	10/27/2021	ND	1.96	97.8	2.00	3.95		
Total Xylenes*	<0.150	0.150	10/27/2021	ND	5.95	99.1	6.00	3.60		
Total BTEx	<0.300	0.300	10/27/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	10/27/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/27/2021	ND	203	102	200	10.5	
DRO >C10-C28*	<10.0	10.0	10/27/2021	ND	197	98.3	200	11.2	
EXT DRO >C28-C36	<10.0	10.0	10/27/2021	ND					

Surrogate: 1-Chlorooctane 87.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 86.5 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RANGER ENVIRONMENTAL SERVICES, INC.  
 WILL KIERDORF  
 PO BOX 201179  
 AUSTIN TX, 78729  
 Fax To: (512) 335-0527

Received:	10/27/2021	Sampling Date:	10/26/2021
Reported:	10/27/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: C - 9 / 3' (H213015-10)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/27/2021	ND	2.06	103	2.00	3.63		
Toluene*	<0.050	0.050	10/27/2021	ND	1.96	98.1	2.00	3.49		
Ethylbenzene*	<0.050	0.050	10/27/2021	ND	1.96	97.8	2.00	3.95		
Total Xylenes*	<0.150	0.150	10/27/2021	ND	5.95	99.1	6.00	3.60		
Total BTEx	<0.300	0.300	10/27/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	10/27/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/27/2021	ND	203	102	200	10.5	
DRO >C10-C28*	<10.0	10.0	10/27/2021	ND	197	98.3	200	11.2	
EXT DRO >C28-C36	<10.0	10.0	10/27/2021	ND					

Surrogate: 1-Chlorooctane 88.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 87.8 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RANGER ENVIRONMENTAL SERVICES, INC.  
 WILL KIERDORF  
 PO BOX 201179  
 AUSTIN TX, 78729  
 Fax To: (512) 335-0527

Received:	10/27/2021	Sampling Date:	10/26/2021
Reported:	10/27/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: C - 10 / 3' (H213015-11)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/27/2021	ND	2.06	103	2.00	3.63		
Toluene*	<0.050	0.050	10/27/2021	ND	1.96	98.1	2.00	3.49		
Ethylbenzene*	<0.050	0.050	10/27/2021	ND	1.96	97.8	2.00	3.95		
Total Xylenes*	<0.150	0.150	10/27/2021	ND	5.95	99.1	6.00	3.60		
Total BTEx	<0.300	0.300	10/27/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	10/27/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/27/2021	ND	203	102	200	10.5	
DRO >C10-C28*	19.2	10.0	10/27/2021	ND	197	98.3	200	11.2	
EXT DRO >C28-C36	17.3	10.0	10/27/2021	ND					

Surrogate: 1-Chlorooctane 85.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 85.6 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RANGER ENVIRONMENTAL SERVICES, INC.  
 WILL KIERDORF  
 PO BOX 201179  
 AUSTIN TX, 78729  
 Fax To: (512) 335-0527

Received:	10/27/2021	Sampling Date:	10/26/2021
Reported:	10/27/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: C - 11 / 3' (H213015-12)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/27/2021	ND	2.06	103	2.00	3.63		
Toluene*	<0.050	0.050	10/27/2021	ND	1.96	98.1	2.00	3.49		
Ethylbenzene*	<0.050	0.050	10/27/2021	ND	1.96	97.8	2.00	3.95		
Total Xylenes*	<0.150	0.150	10/27/2021	ND	5.95	99.1	6.00	3.60		
Total BTEx	<0.300	0.300	10/27/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	10/27/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/27/2021	ND	203	102	200	10.5	
DRO >C10-C28*	<10.0	10.0	10/27/2021	ND	197	98.3	200	11.2	
EXT DRO >C28-C36	<10.0	10.0	10/27/2021	ND					

Surrogate: 1-Chlorooctane 79.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 78.4 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RANGER ENVIRONMENTAL SERVICES, INC.  
 WILL KIERDORF  
 PO BOX 201179  
 AUSTIN TX, 78729  
 Fax To: (512) 335-0527

Received:	10/27/2021	Sampling Date:	10/26/2021
Reported:	10/27/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: C - 12 / 3' (H213015-13)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/27/2021	ND	2.06	103	2.00	3.63		
Toluene*	<0.050	0.050	10/27/2021	ND	1.96	98.1	2.00	3.49		
Ethylbenzene*	<0.050	0.050	10/27/2021	ND	1.96	97.8	2.00	3.95		
Total Xylenes*	<0.150	0.150	10/27/2021	ND	5.95	99.1	6.00	3.60		
Total BTEx	<0.300	0.300	10/27/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	10/27/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/27/2021	ND	203	102	200	10.5	
DRO >C10-C28*	<10.0	10.0	10/27/2021	ND	197	98.3	200	11.2	
EXT DRO >C28-C36	<10.0	10.0	10/27/2021	ND					

Surrogate: 1-Chlorooctane 84.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 83.9 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RANGER ENVIRONMENTAL SERVICES, INC.  
 WILL KIERDORF  
 PO BOX 201179  
 AUSTIN TX, 78729  
 Fax To: (512) 335-0527

Received:	10/27/2021	Sampling Date:	10/26/2021
Reported:	10/27/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: C - 13 / 3' (H213015-14)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/27/2021	ND	2.06	103	2.00	3.63		
Toluene*	<0.050	0.050	10/27/2021	ND	1.96	98.1	2.00	3.49		
Ethylbenzene*	<0.050	0.050	10/27/2021	ND	1.96	97.8	2.00	3.95		
Total Xylenes*	<0.150	0.150	10/27/2021	ND	5.95	99.1	6.00	3.60		
Total BTEx	<0.300	0.300	10/27/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	10/27/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/27/2021	ND	203	102	200	10.5	
DRO >C10-C28*	<10.0	10.0	10/27/2021	ND	197	98.3	200	11.2	
EXT DRO >C28-C36	<10.0	10.0	10/27/2021	ND					

Surrogate: 1-Chlorooctane 87.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 88.5 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

RANGER ENVIRONMENTAL SERVICES, INC.  
 WILL KIERDORF  
 PO BOX 201179  
 AUSTIN TX, 78729  
 Fax To: (512) 335-0527

Received:	10/27/2021	Sampling Date:	10/26/2021
Reported:	10/27/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: NW - 3 (H213015-15)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/27/2021	ND	2.06	103	2.00	3.63	
Toluene*	<0.050	0.050	10/27/2021	ND	1.96	98.1	2.00	3.49	
Ethylbenzene*	<0.050	0.050	10/27/2021	ND	1.96	97.8	2.00	3.95	
Total Xylenes*	<0.150	0.150	10/27/2021	ND	5.95	99.1	6.00	3.60	
Total BTX	<0.300	0.300	10/27/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	960	16.0	10/27/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/27/2021	ND	203	102	200	10.5	
DRO >C10-C28*	<10.0	10.0	10/27/2021	ND	197	98.3	200	11.2	
EXT DRO >C28-C36	<10.0	10.0	10/27/2021	ND					

Surrogate: 1-Chlorooctane 94.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 93.4 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager

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### Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

---

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

Company Name: <b>ROSCA ENV</b>		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>	
Project Manager: <b>W. KECROD</b>		P.O. # <b>5375</b>			
Address: <b>PO Box 201179</b>		Company: <b>ENG RESOURCES, INC.</b>			
City: <b>Albuquerque</b>		Attn: <b>CHAS SETTLE</b>			
State: <b>NM</b> Zip: <b>87120</b>		Address: <b>PO Box 414 STREET</b>			
Phone #: <b>505-289-5272</b> Fax #: <b></b>		City: <b>Albuquerque</b>			
Project #: <b>5375</b> Project Owner: <b>EOG</b>		State: <b>NM</b> Zip: <b>88210</b>			
Project Name: <b>McMILLAN PROPERTY</b>		Phone #: <b>575-705-6537</b>			
Project Location: <b>EOG CAN</b>		Fax #: <b></b>			
Sampler Name: <b>R. MARTIN</b>					

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.		DATE	TIME	ANALYSIS	
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL				OTHER :
<b>H213015</b>	1 C-1/2.5'	C	1	X								10/26/21	1638	X	BTEX (8021)
	2 C-2/2.5'	C	1	X								1640	X	X	TPH (8015)
	3 C-3/2.5'	C	1	X								1642	X	X	CHLOROC (SM 4500)
	4 C-4/2.5'	C	1	X								1644	X	X	
	5 C-5/2.5'	C	1	X								1646	X	X	
	6 C-6/2.5'	C	1	X								1650	X	X	
	7 C-7/2.5'	C	1	X								1648	X	X	
	8 C-8/3'	C	1	X								1200	X	X	
	9 C-9/3'	C	1	X								1202	X	X	
	10 C-9/3'	C	1	X								1204	X	X	

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Relinquished By: <b>W. KECROD</b>	Date: <b>10/27/21</b>	Received By: <b>WILLIAM ROBERTS</b>	Date: <b>10/27/21</b>
Relinquished By: <b>W. KECROD</b>	Date: <b>0805</b>	Received By: <b>WILLIAM ROBERTS</b>	Date: <b>0805</b>

Delivered By: (Circle One)	Observed Temp. °C <b>28</b>	Sample Condition	CHECKED BY: (Initials)	Turnaround Time:	Standard	Bacteria (only)	Sample Condition
Sampler - UPS - Bus - Other:	Corrected Temp. °C <b>2.3</b>	Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	<b>T.O.</b>	Thermometer ID #113 Correction Factor -0.5°C	<b>Rush</b> day	Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	Observed Temp. °C Corrected Temp. °C

REMARKS: **ALL RESULTS ARE EMAILED. PLEASE PROVIDE EMAIL ADDRESS: WILLIAM.ROBERTS@CARDINALLABS.COM**

† Cardinal cannot accept verbal changes. Please email changes to caley.keene@cardinallabsnm.com





## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

Company Name: <u>RANGER ENV</u>		P.O. #: <u>5375</u>		ANALYSIS REQUEST	
Project Manager: <u>W. KEELE</u>		Company: <u>ENG RESOURCES, INC.</u>			
Address: <u>PO Box 201179</u>		Attn: <u>CHAYE SUTTER</u>			
City: <u>AUSTIN</u>		Address: <u>1045 4TH STREET</u>			
State: <u>TX</u> Zip: <u>78720</u>		City: <u>HOUSTON</u>			
Phone #: <u>512-289-3272</u>		State: <u>NM</u> Zip: <u>88210</u>			
Fax #: <u></u>		Phone #: <u>575-703-6537</u>			
Project #: <u>5375</u>		Project Owner: <u>EOG</u>			
Project Name: <u>MELUANA PROPERTY</u>		Fax #: <u></u>			
Project Location: <u>COOY CO NM</u>					
Sampler Name: <u>R. Martin</u>					

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	BTEx (8021)	TPH (8015)	CHLORIDE (SM 4500)
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
<u>H23015</u>	<u>11 C-10/3'</u>	<u>C</u>	<u>1</u>	<u>X</u>						<u>10/24/21</u>	<u>1206</u>	<u>X</u>	<u>X</u>	<u>X</u>
	<u>12 C-11/3'</u>	<u>C</u>	<u>1</u>	<u>X</u>							<u>1208</u>	<u>X</u>	<u>X</u>	<u>X</u>
	<u>13 C-12/3'</u>	<u>C</u>	<u>1</u>	<u>X</u>							<u>1210</u>	<u>X</u>	<u>X</u>	<u>X</u>
	<u>14 C-13/3'</u>	<u>C</u>	<u>1</u>	<u>X</u>							<u>1212</u>	<u>X</u>	<u>X</u>	<u>X</u>
	<u>15 NW-3'</u>	<u>C</u>	<u>1</u>	<u>X</u>							<u>1545</u>	<u>X</u>	<u>X</u>	<u>X</u>

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Relinquished By: <u>W. Keene</u>	Date: <u>10/27/21</u>	Received By: <u>Chayne Sutter</u>	Date: <u>10/27/21</u>
Relinquished By: <u></u>	Date: <u></u>	Received By: <u></u>	Date: <u></u>

Delivered By: (Circle One)	Observed Temp. °C	Sample Condition	CHECKED BY: (Initials)	Turnaround Time:	Standard	Bacteria (only)	Sample Condition
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>	<u>W. Keene</u>		<u>Standard</u>	<input checked="" type="checkbox"/>	Observed Temp. °C
		Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>			<u>Rush</u>	<input checked="" type="checkbox"/>	Corrected Temp. °C
					<u>5000 day</u>	<input checked="" type="checkbox"/>	

REMARKS: Will be sent to EOG RESOURCES, INC. CHAYE\_SUTTER@EOGRESOURCES.COM

† Cardinal cannot accept verbal changes. Please email changes to [celey.keene@cardinallabsnm.com](mailto:celey.keene@cardinallabsnm.com)



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

---

October 29, 2021

WILL KIERDORF

RANGER ENVIRONMENTAL SERVICES, INC.

PO BOX 201179

AUSTIN, TX 78729

RE: EOG - MC CULLAR PROPERTY

Enclosed are the results of analyses for samples received by the laboratory on 10/29/21 8:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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**Analytical Results For:**

RANGER ENVIRONMENTAL SERVICES, INC.  
 WILL KIERDORF  
 PO BOX 201179  
 AUSTIN TX, 78729  
 Fax To: (512) 335-0527

Received:	10/29/2021	Sampling Date:	10/28/2021
Reported:	10/29/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: C - W (H213050-01)**

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2021	ND	2.06	103	2.00	7.77	
Toluene*	<0.050	0.050	10/29/2021	ND	1.97	98.4	2.00	8.39	
Ethylbenzene*	<0.050	0.050	10/29/2021	ND	1.98	99.0	2.00	8.06	
Total Xylenes*	<0.150	0.150	10/29/2021	ND	5.97	99.5	6.00	8.72	
Total BTEX	<0.300	0.300	10/29/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	10/29/2021	ND	416	104	400	3.77	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2021	ND	225	112	200	1.39	
DRO >C10-C28*	<10.0	10.0	10/29/2021	ND	215	108	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	10/29/2021	ND					

Surrogate: 1-Chlorooctane 88.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 87.8 % 38.9-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

RANGER ENVIRONMENTAL SERVICES, INC.  
 WILL KIERDORF  
 PO BOX 201179  
 AUSTIN TX, 78729  
 Fax To: (512) 335-0527

Received:	10/29/2021	Sampling Date:	10/28/2021
Reported:	10/29/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: C - E (H213050-02)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/29/2021	ND	2.06	103	2.00	7.77		
Toluene*	<0.050	0.050	10/29/2021	ND	1.97	98.4	2.00	8.39		
Ethylbenzene*	<0.050	0.050	10/29/2021	ND	1.98	99.0	2.00	8.06		
Total Xylenes*	<0.150	0.150	10/29/2021	ND	5.97	99.5	6.00	8.72		
Total BTEx	<0.300	0.300	10/29/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	10/29/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2021	ND	225	112	200	1.39	
DRO >C10-C28*	<10.0	10.0	10/29/2021	ND	215	108	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	10/29/2021	ND					

Surrogate: 1-Chlorooctane 87.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 86.7 % 38.9-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RANGER ENVIRONMENTAL SERVICES, INC.  
 WILL KIERDORF  
 PO BOX 201179  
 AUSTIN TX, 78729  
 Fax To: (512) 335-0527

Received:	10/29/2021	Sampling Date:	10/28/2021
Reported:	10/29/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: SW - 1 (H213050-03)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2021	ND	2.06	103	2.00	7.77	
Toluene*	<0.050	0.050	10/29/2021	ND	1.97	98.4	2.00	8.39	
Ethylbenzene*	<0.050	0.050	10/29/2021	ND	1.98	99.0	2.00	8.06	
Total Xylenes*	<0.150	0.150	10/29/2021	ND	5.97	99.5	6.00	8.72	
Total BTEX	<0.300	0.300	10/29/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	10/29/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2021	ND	225	112	200	1.39	
DRO >C10-C28*	<10.0	10.0	10/29/2021	ND	215	108	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	10/29/2021	ND					

Surrogate: 1-Chlorooctane 87.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 87.0 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RANGER ENVIRONMENTAL SERVICES, INC.  
 WILL KIERDORF  
 PO BOX 201179  
 AUSTIN TX, 78729  
 Fax To: (512) 335-0527

Received:	10/29/2021	Sampling Date:	10/28/2021
Reported:	10/29/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: SW - 2 (H213050-04)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2021	ND	2.06	103	2.00	7.77	
Toluene*	<0.050	0.050	10/29/2021	ND	1.97	98.4	2.00	8.39	
Ethylbenzene*	<0.050	0.050	10/29/2021	ND	1.98	99.0	2.00	8.06	
Total Xylenes*	<0.150	0.150	10/29/2021	ND	5.97	99.5	6.00	8.72	
Total BTEX	<0.300	0.300	10/29/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	10/29/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2021	ND	225	112	200	1.39	
DRO >C10-C28*	<10.0	10.0	10/29/2021	ND	215	108	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	10/29/2021	ND					

Surrogate: 1-Chlorooctane 91.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 91.3 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RANGER ENVIRONMENTAL SERVICES, INC.  
 WILL KIERDORF  
 PO BOX 201179  
 AUSTIN TX, 78729  
 Fax To: (512) 335-0527

Received:	10/29/2021	Sampling Date:	10/28/2021
Reported:	10/29/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: SW - 3 (H213050-05)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/29/2021	ND	2.06	103	2.00	7.77		
Toluene*	<0.050	0.050	10/29/2021	ND	1.97	98.4	2.00	8.39		
Ethylbenzene*	<0.050	0.050	10/29/2021	ND	1.98	99.0	2.00	8.06		
Total Xylenes*	<0.150	0.150	10/29/2021	ND	5.97	99.5	6.00	8.72		
Total BTX	<0.300	0.300	10/29/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/29/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2021	ND	225	112	200	1.39	
DRO >C10-C28*	<10.0	10.0	10/29/2021	ND	215	108	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	10/29/2021	ND					

Surrogate: 1-Chlorooctane 91.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 90.8 % 38.9-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

RANGER ENVIRONMENTAL SERVICES, INC.  
 WILL KIERDORF  
 PO BOX 201179  
 AUSTIN TX, 78729  
 Fax To: (512) 335-0527

Received:	10/29/2021	Sampling Date:	10/28/2021
Reported:	10/29/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: CS - 1 (H213050-06)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/29/2021	ND	2.06	103	2.00	7.77		
Toluene*	<0.050	0.050	10/29/2021	ND	1.97	98.4	2.00	8.39		
Ethylbenzene*	<0.050	0.050	10/29/2021	ND	1.98	99.0	2.00	8.06		
Total Xylenes*	<0.150	0.150	10/29/2021	ND	5.97	99.5	6.00	8.72		
Total BTEx	<0.300	0.300	10/29/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	10/29/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2021	ND	225	112	200	1.39	
DRO >C10-C28*	<10.0	10.0	10/29/2021	ND	215	108	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	10/29/2021	ND					

Surrogate: 1-Chlorooctane 87.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 86.0 % 38.9-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

RANGER ENVIRONMENTAL SERVICES, INC.  
 WILL KIERDORF  
 PO BOX 201179  
 AUSTIN TX, 78729  
 Fax To: (512) 335-0527

Received:	10/29/2021	Sampling Date:	10/28/2021
Reported:	10/29/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: CS - 2 (H213050-07)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/29/2021	ND	2.06	103	2.00	7.77		
Toluene*	<0.050	0.050	10/29/2021	ND	1.97	98.4	2.00	8.39		
Ethylbenzene*	<0.050	0.050	10/29/2021	ND	1.98	99.0	2.00	8.06		
Total Xylenes*	<0.150	0.150	10/29/2021	ND	5.97	99.5	6.00	8.72		
Total BTX	<0.300	0.300	10/29/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	10/29/2021	ND	416	104	400	0.00	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2021	ND	225	112	200	1.39	
DRO >C10-C28*	<10.0	10.0	10/29/2021	ND	215	108	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	10/29/2021	ND					

Surrogate: 1-Chlorooctane 86.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 85.9 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

RANGER ENVIRONMENTAL SERVICES, INC.  
 WILL KIERDORF  
 PO BOX 201179  
 AUSTIN TX, 78729  
 Fax To: (512) 335-0527

Received:	10/29/2021	Sampling Date:	10/28/2021
Reported:	10/29/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: CS - 3 (H213050-08)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/29/2021	ND	2.06	103	2.00	7.77		
Toluene*	<0.050	0.050	10/29/2021	ND	1.97	98.4	2.00	8.39		
Ethylbenzene*	<0.050	0.050	10/29/2021	ND	1.98	99.0	2.00	8.06		
Total Xylenes*	<0.150	0.150	10/29/2021	ND	5.97	99.5	6.00	8.72		
Total BTEx	<0.300	0.300	10/29/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	10/29/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2021	ND	225	112	200	1.39	
DRO >C10-C28*	<10.0	10.0	10/29/2021	ND	215	108	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	10/29/2021	ND					

Surrogate: 1-Chlorooctane 85.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 83.9 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RANGER ENVIRONMENTAL SERVICES, INC.  
 WILL KIERDORF  
 PO BOX 201179  
 AUSTIN TX, 78729  
 Fax To: (512) 335-0527

Received:	10/29/2021	Sampling Date:	10/28/2021
Reported:	10/29/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: CS - 4 (H213050-09)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/29/2021	ND	2.06	103	2.00	7.77		
Toluene*	<0.050	0.050	10/29/2021	ND	1.97	98.4	2.00	8.39		
Ethylbenzene*	<0.050	0.050	10/29/2021	ND	1.98	99.0	2.00	8.06		
Total Xylenes*	<0.150	0.150	10/29/2021	ND	5.97	99.5	6.00	8.72		
Total BTEx	<0.300	0.300	10/29/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	10/29/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2021	ND	225	112	200	1.39	
DRO >C10-C28*	<10.0	10.0	10/29/2021	ND	215	108	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	10/29/2021	ND					

Surrogate: 1-Chlorooctane 85.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 83.7 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RANGER ENVIRONMENTAL SERVICES, INC.  
 WILL KIERDORF  
 PO BOX 201179  
 AUSTIN TX, 78729  
 Fax To: (512) 335-0527

Received:	10/29/2021	Sampling Date:	10/28/2021
Reported:	10/29/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: CS - 5 (H213050-10)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/29/2021	ND	2.06	103	2.00	7.77		
Toluene*	<0.050	0.050	10/29/2021	ND	1.97	98.4	2.00	8.39		
Ethylbenzene*	<0.050	0.050	10/29/2021	ND	1.98	99.0	2.00	8.06		
Total Xylenes*	<0.150	0.150	10/29/2021	ND	5.97	99.5	6.00	8.72		
Total BTEx	<0.300	0.300	10/29/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	10/29/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2021	ND	225	112	200	1.39	
DRO >C10-C28*	<10.0	10.0	10/29/2021	ND	215	108	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	10/29/2021	ND					

Surrogate: 1-Chlorooctane 77.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 76.6 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RANGER ENVIRONMENTAL SERVICES, INC.  
 WILL KIERDORF  
 PO BOX 201179  
 AUSTIN TX, 78729  
 Fax To: (512) 335-0527

Received:	10/29/2021	Sampling Date:	10/27/2021
Reported:	10/29/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: NW - 3.1 (H213050-11)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/29/2021	ND	2.06	103	2.00	7.77		
Toluene*	<0.050	0.050	10/29/2021	ND	1.97	98.4	2.00	8.39		
Ethylbenzene*	<0.050	0.050	10/29/2021	ND	1.98	99.0	2.00	8.06		
Total Xylenes*	<0.150	0.150	10/29/2021	ND	5.97	99.5	6.00	8.72		
Total BTEx	<0.300	0.300	10/29/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	912	16.0	10/29/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2021	ND	225	112	200	1.39	
DRO >C10-C28*	<10.0	10.0	10/29/2021	ND	215	108	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	10/29/2021	ND					

Surrogate: 1-Chlorooctane 83.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 82.6 % 38.9-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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### Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<b>Company Name:</b> Ranger Env <b>Project Manager:</b> W. Kierdorf <b>Address:</b> PO Box 201179 <b>City:</b> Austin <b>State:</b> TX <b>Zip:</b> 78720 <b>Phone #:</b> 512-289-3272 <b>Fax #:</b> <b>Project #:</b> 5375 <b>Project Owner:</b> EOG <b>Project Name:</b> McCullar Property <b>Project Location:</b> Eddy Co NM <b>Sampler Name:</b> Robert Martin										<b>BILL TO</b> <b>P.O. #:</b> 5375 <b>Company:</b> EOG Resources Inc <b>Attn:</b> Chase Settle <b>Address:</b> 1045. 4th Street <b>City:</b> Artesia <b>State:</b> NM <b>Zip:</b> 88210 <b>Phone #:</b> 575-703-6537 <b>Fax #:</b>										<b>ANALYSIS REQUEST</b>									
<b>FOR LAB USE ONLY</b> <b>Lab I.D.</b> H213050 <b>Sample I.D.</b>										<b>FOR LAB USE ONLY</b> <b>Matrix:</b> <input type="checkbox"/> (G)RAB OR (C)OMP. <input type="checkbox"/> # CONTAINERS <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> WASTEWATER <input type="checkbox"/> SOIL <input type="checkbox"/> OIL <input type="checkbox"/> SLUDGE <input type="checkbox"/> OTHER : <b>Acid/Base:</b> <input type="checkbox"/> ACID/BASE: <input type="checkbox"/> ICE / COOL <input type="checkbox"/> OTHER : <b>Preserv:</b> <input type="checkbox"/> DATE: 10/28/21 <input type="checkbox"/> TIME: 1150 <b>Sampling:</b>										<b>Turnaround Time:</b> Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> <b>Thermometer ID #113</b> <input checked="" type="checkbox"/> <b>Correction Factor -0.5°C</b> <input type="checkbox"/> <b>Remarks:</b>									
<b>PLEASE NOTE:</b> Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.										<b>Relinquished By:</b> [Signature] <b>Date:</b> 10/29/21 <b>Received By:</b> [Signature] <b>Date:</b> 10/29/21 <b>Time:</b> 0810 <b>Relinquished By:</b> [Signature] <b>Date:</b> <b>Time:</b>										<b>Verbal Result:</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <b>Add'l Phone #:</b> <b>All Results are emailed. Please provide Email address:</b> wll@rangerenv.com & Chase Settle @ eogresources.com									
<b>Delivered By:</b> (Circle One) <b>Observed Temp. °C</b> 2.5 <b>Sampler - UPS - Bus - Other:</b> <b>Corrected Temp. °C</b> 2.0 <b>Sample Condition:</b> <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Checked By:</b> [Signature] (Initials) <b>Turnaround Time:</b> Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> <b>Thermometer ID #113</b> <input checked="" type="checkbox"/> <b>Correction Factor -0.5°C</b> <input type="checkbox"/> <b>Remarks:</b>										<b>Turnaround Time:</b> Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> <b>Thermometer ID #113</b> <input checked="" type="checkbox"/> <b>Correction Factor -0.5°C</b> <input type="checkbox"/> <b>Remarks:</b>										<b>Turnaround Time:</b> Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> <b>Thermometer ID #113</b> <input checked="" type="checkbox"/> <b>Correction Factor -0.5°C</b> <input type="checkbox"/> <b>Remarks:</b>									





CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

BILL TO

ANALYSIS REQUEST

P.O. #: 5375

Company: EOG Resources Inc

Attn: Chase Settle

Address: 104 S. 4th Street

City: Artesia

State: NM Zip: 88210

Phone #: 575-703-6537

Fax #:

Company Name: Ranger Env

Project Manager: W. Kierdorf

Address: PO Box 201179

City: Austin

State: TX Zip: 78720

Phone #: 512-289-3272

Fax #:

Project #: 5375

Project Owner: EOG

Project Name: McCullar Property

Project Location: Eddy Co NM

Sampler Name: Robert Martin

FOR LAB USE ONLY

Lab I.D. Sample I.D.

(G)RAB OR (C)OMP.

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

BTEX (8021)

TPH (8015)

Chloride (SM 4500)

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Received By:

Verbal Result: ☐ Yes ☒ No Add'l Phone #:

All Results are emailed. Please provide Email address:

will@rangerenv.com & Chase-Settle@eogresources.com

REMARKS:

Date: 10/29/21

Time: 0810

Date:

Time:

Delivered By: (Circle One)

Observed Temp. °C

Sample Condition

CHECKED BY: (Initials)

Turnaround Time:

Standard

☒

Bacteria (only)

Sample Condition

Observed Temp. °C

Corrected Temp. °C

Sampler - UPS - Bus - Other:

Corrected Temp. °C

Cool Intact

YES NO

Thermometer ID #113

Same day

☒

Cool Intact

Observed Temp. °C

Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

---

November 05, 2021

WILL KIERDORF

RANGER ENVIRONMENTAL SERVICES, INC.

PO BOX 201179

AUSTIN, TX 78729

RE: EOG - MC CULLAR PROPERTY

Enclosed are the results of analyses for samples received by the laboratory on 11/05/21 11:08.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Mike Snyder". The signature is fluid and cursive, with the first name "Mike" and last name "Snyder" clearly distinguishable.

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

RANGER ENVIRONMENTAL SERVICES, INC.  
 WILL KIERDORF  
 PO BOX 201179  
 AUSTIN TX, 78729  
 Fax To: (512) 335-0527

Received:	11/05/2021	Sampling Date:	11/04/2021
Reported:	11/05/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: A - 10 / 2.5' (H213142-01)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/05/2021	ND	2.12	106	2.00	6.61		
Toluene*	<0.050	0.050	11/05/2021	ND	2.03	101	2.00	6.48		
Ethylbenzene*	<0.050	0.050	11/05/2021	ND	2.06	103	2.00	6.57		
Total Xylenes*	<0.150	0.150	11/05/2021	ND	6.28	105	6.00	5.72		
Total BTEX	<0.300	0.300	11/05/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	11/05/2021	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/05/2021	ND	226	113	200	0.692	
DRO >C10-C28*	<10.0	10.0	11/05/2021	ND	223	111	200	0.412	
EXT DRO >C28-C36	<10.0	10.0	11/05/2021	ND					

Surrogate: 1-Chlorooctane 89.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 90.2 % 38.9-142

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**Analytical Results For:**

RANGER ENVIRONMENTAL SERVICES, INC.  
 WILL KIERDORF  
 PO BOX 201179  
 AUSTIN TX, 78729  
 Fax To: (512) 335-0527

Received:	11/05/2021	Sampling Date:	11/04/2021
Reported:	11/05/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: A - 11 / 2.5' (H213142-02)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/05/2021	ND	2.12	106	2.00	6.61		
Toluene*	<0.050	0.050	11/05/2021	ND	2.03	101	2.00	6.48		
Ethylbenzene*	<0.050	0.050	11/05/2021	ND	2.06	103	2.00	6.57		
Total Xylenes*	<0.150	0.150	11/05/2021	ND	6.28	105	6.00	5.72		
Total BTEx	<0.300	0.300	11/05/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	11/05/2021	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/05/2021	ND	226	113	200	0.692	
DRO >C10-C28*	<10.0	10.0	11/05/2021	ND	223	111	200	0.412	
EXT DRO >C28-C36	<10.0	10.0	11/05/2021	ND					

Surrogate: 1-Chlorooctane 88.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 87.6 % 38.9-142

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 Fax To: (512) 335-0527

Received:	11/05/2021	Sampling Date:	11/04/2021
Reported:	11/05/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: A - 12 / 2.5' (H213142-03)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/05/2021	ND	2.12	106	2.00	6.61		
Toluene*	<0.050	0.050	11/05/2021	ND	2.03	101	2.00	6.48		
Ethylbenzene*	<0.050	0.050	11/05/2021	ND	2.06	103	2.00	6.57		
Total Xylenes*	<0.150	0.150	11/05/2021	ND	6.28	105	6.00	5.72		
Total BTEX	<0.300	0.300	11/05/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	464	16.0	11/05/2021	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/05/2021	ND	226	113	200	0.692	
DRO >C10-C28*	<10.0	10.0	11/05/2021	ND	223	111	200	0.412	
EXT DRO >C28-C36	<10.0	10.0	11/05/2021	ND					

Surrogate: 1-Chlorooctane 85.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 85.6 % 38.9-142

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 WILL KIERDORF  
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 Fax To: (512) 335-0527

Received:	11/05/2021	Sampling Date:	11/04/2021
Reported:	11/05/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: A - 13 / 2.5' (H213142-04)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/05/2021	ND	2.12	106	2.00	6.61		
Toluene*	<0.050	0.050	11/05/2021	ND	2.03	101	2.00	6.48		
Ethylbenzene*	<0.050	0.050	11/05/2021	ND	2.06	103	2.00	6.57		
Total Xylenes*	<0.150	0.150	11/05/2021	ND	6.28	105	6.00	5.72		
Total BTEx	<0.300	0.300	11/05/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	11/05/2021	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/05/2021	ND	226	113	200	0.692	
DRO >C10-C28*	<10.0	10.0	11/05/2021	ND	223	111	200	0.412	
EXT DRO >C28-C36	<10.0	10.0	11/05/2021	ND					

Surrogate: 1-Chlorooctane 89.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 89.8 % 38.9-142

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 Fax To: (512) 335-0527

Received:	11/05/2021	Sampling Date:	11/04/2021
Reported:	11/05/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: A - 13 / 3' (H213142-05)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/05/2021	ND	2.12	106	2.00	6.61		
Toluene*	<0.050	0.050	11/05/2021	ND	2.03	101	2.00	6.48		
Ethylbenzene*	<0.050	0.050	11/05/2021	ND	2.06	103	2.00	6.57		
Total Xylenes*	<0.150	0.150	11/05/2021	ND	6.28	105	6.00	5.72		
Total BTX	<0.300	0.300	11/05/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	11/05/2021	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/05/2021	ND	226	113	200	0.692	
DRO >C10-C28*	<10.0	10.0	11/05/2021	ND	223	111	200	0.412	
EXT DRO >C28-C36	<10.0	10.0	11/05/2021	ND					

Surrogate: 1-Chlorooctane 81.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 80.1 % 38.9-142

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Received:	11/05/2021	Sampling Date:	11/04/2021
Reported:	11/05/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: A - 13 / 4' (H213142-06)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/05/2021	ND	2.12	106	2.00	6.61		
Toluene*	<0.050	0.050	11/05/2021	ND	2.03	101	2.00	6.48		
Ethylbenzene*	<0.050	0.050	11/05/2021	ND	2.06	103	2.00	6.57		
Total Xylenes*	<0.150	0.150	11/05/2021	ND	6.28	105	6.00	5.72		
Total BTEX	<0.300	0.300	11/05/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	11/05/2021	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/05/2021	ND	226	113	200	0.692	
DRO >C10-C28*	<10.0	10.0	11/05/2021	ND	223	111	200	0.412	
EXT DRO >C28-C36	<10.0	10.0	11/05/2021	ND					

Surrogate: 1-Chlorooctane 87.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 86.0 % 38.9-142

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 WILL KIERDORF  
 PO BOX 201179  
 AUSTIN TX, 78729  
 Fax To: (512) 335-0527

Received:	11/05/2021	Sampling Date:	11/04/2021
Reported:	11/05/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: B - 10 / 2.5' (H213142-07)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/05/2021	ND	2.12	106	2.00	6.61	
Toluene*	<0.050	0.050	11/05/2021	ND	2.03	101	2.00	6.48	
Ethylbenzene*	<0.050	0.050	11/05/2021	ND	2.06	103	2.00	6.57	
Total Xylenes*	<0.150	0.150	11/05/2021	ND	6.28	105	6.00	5.72	
Total BTX	<0.300	0.300	11/05/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	11/05/2021	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/05/2021	ND	226	113	200	0.692	
DRO >C10-C28*	<10.0	10.0	11/05/2021	ND	223	111	200	0.412	
EXT DRO >C28-C36	<10.0	10.0	11/05/2021	ND					

Surrogate: 1-Chlorooctane 85.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 82.9 % 38.9-142

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 Fax To: (512) 335-0527

Received:	11/05/2021	Sampling Date:	11/04/2021
Reported:	11/05/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: B - 11 / 2.5' (H213142-08)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/05/2021	ND	2.12	106	2.00	6.61	
Toluene*	<0.050	0.050	11/05/2021	ND	2.03	101	2.00	6.48	
Ethylbenzene*	<0.050	0.050	11/05/2021	ND	2.06	103	2.00	6.57	
Total Xylenes*	<0.150	0.150	11/05/2021	ND	6.28	105	6.00	5.72	
Total BTX	<0.300	0.300	11/05/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	11/05/2021	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/05/2021	ND	226	113	200	0.692	
DRO >C10-C28*	<10.0	10.0	11/05/2021	ND	223	111	200	0.412	
EXT DRO >C28-C36	<10.0	10.0	11/05/2021	ND					

Surrogate: 1-Chlorooctane 79.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 78.0 % 38.9-142

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Received:	11/05/2021	Sampling Date:	11/04/2021
Reported:	11/05/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: B - 12 / 2.5' (H213142-09)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/05/2021	ND	2.12	106	2.00	6.61		
Toluene*	<0.050	0.050	11/05/2021	ND	2.03	101	2.00	6.48		
Ethylbenzene*	<0.050	0.050	11/05/2021	ND	2.06	103	2.00	6.57		
Total Xylenes*	<0.150	0.150	11/05/2021	ND	6.28	105	6.00	5.72		
Total BTEx	<0.300	0.300	11/05/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	11/05/2021	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/05/2021	ND	226	113	200	0.692	
DRO >C10-C28*	<10.0	10.0	11/05/2021	ND	223	111	200	0.412	
EXT DRO >C28-C36	<10.0	10.0	11/05/2021	ND					

Surrogate: 1-Chlorooctane 89.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 88.7 % 38.9-142

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\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

RANGER ENVIRONMENTAL SERVICES, INC.  
 WILL KIERDORF  
 PO BOX 201179  
 AUSTIN TX, 78729  
 Fax To: (512) 335-0527

Received:	11/05/2021	Sampling Date:	11/04/2021
Reported:	11/05/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: B - 13 / 3' (H213142-10)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/05/2021	ND	2.12	106	2.00	6.61		
Toluene*	<0.050	0.050	11/05/2021	ND	2.03	101	2.00	6.48		
Ethylbenzene*	<0.050	0.050	11/05/2021	ND	2.06	103	2.00	6.57		
Total Xylenes*	<0.150	0.150	11/05/2021	ND	6.28	105	6.00	5.72		
Total BTX	<0.300	0.300	11/05/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	592	16.0	11/05/2021	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/05/2021	ND	226	113	200	0.692	
DRO >C10-C28*	<10.0	10.0	11/05/2021	ND	223	111	200	0.412	
EXT DRO >C28-C36	<10.0	10.0	11/05/2021	ND					

Surrogate: 1-Chlorooctane 84.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 82.2 % 38.9-142

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

RANGER ENVIRONMENTAL SERVICES, INC.  
 WILL KIERDORF  
 PO BOX 201179  
 AUSTIN TX, 78729  
 Fax To: (512) 335-0527

Received:	11/05/2021	Sampling Date:	11/04/2021
Reported:	11/05/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: B - 13 / 4' (H213142-11)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/05/2021	ND	2.12	106	2.00	6.61	
Toluene*	<0.050	0.050	11/05/2021	ND	2.03	101	2.00	6.48	
Ethylbenzene*	<0.050	0.050	11/05/2021	ND	2.06	103	2.00	6.57	
Total Xylenes*	<0.150	0.150	11/05/2021	ND	6.28	105	6.00	5.72	
Total BTX	<0.300	0.300	11/05/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	11/05/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/05/2021	ND	226	113	200	0.692	
DRO >C10-C28*	<10.0	10.0	11/05/2021	ND	223	111	200	0.412	
EXT DRO >C28-C36	<10.0	10.0	11/05/2021	ND					

Surrogate: 1-Chlorooctane 87.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 85.1 % 38.9-142

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RANGER ENVIRONMENTAL SERVICES, INC.  
 WILL KIERDORF  
 PO BOX 201179  
 AUSTIN TX, 78729  
 Fax To: (512) 335-0527

Received:	11/05/2021	Sampling Date:	11/04/2021
Reported:	11/05/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: EW - 2 (H213142-12)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/05/2021	ND	2.12	106	2.00	6.61	
Toluene*	<0.050	0.050	11/05/2021	ND	2.03	101	2.00	6.48	
Ethylbenzene*	<0.050	0.050	11/05/2021	ND	2.06	103	2.00	6.57	
Total Xylenes*	<0.150	0.150	11/05/2021	ND	6.28	105	6.00	5.72	
Total BTEX	<0.300	0.300	11/05/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	464	16.0	11/05/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/05/2021	ND	226	113	200	0.692	
DRO >C10-C28*	<10.0	10.0	11/05/2021	ND	223	111	200	0.412	
EXT DRO >C28-C36	<10.0	10.0	11/05/2021	ND					

Surrogate: 1-Chlorooctane 70.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 68.7 % 38.9-142

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RANGER ENVIRONMENTAL SERVICES, INC.  
 WILL KIERDORF  
 PO BOX 201179  
 AUSTIN TX, 78729  
 Fax To: (512) 335-0527

Received:	11/05/2021	Sampling Date:	11/04/2021
Reported:	11/05/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: NW - 4 (H213142-13)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/05/2021	ND	2.03	102	2.00	2.26		
Toluene*	<0.050	0.050	11/05/2021	ND	2.01	100	2.00	4.96		
Ethylbenzene*	<0.050	0.050	11/05/2021	ND	2.06	103	2.00	4.02		
Total Xylenes*	<0.150	0.150	11/05/2021	ND	6.21	103	6.00	2.78		
Total BTEX	<0.300	0.300	11/05/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	11/05/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/05/2021	ND	231	116	200	2.48	
DRO >C10-C28*	<10.0	10.0	11/05/2021	ND	234	117	200	0.641	
EXT DRO >C28-C36	<10.0	10.0	11/05/2021	ND					

Surrogate: 1-Chlorooctane 91.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 96.7 % 38.9-142

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**Analytical Results For:**

RANGER ENVIRONMENTAL SERVICES, INC.  
 WILL KIERDORF  
 PO BOX 201179  
 AUSTIN TX, 78729  
 Fax To: (512) 335-0527

Received:	11/05/2021	Sampling Date:	11/04/2021
Reported:	11/05/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: A - E (H213142-14)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/05/2021	ND	2.03	102	2.00	2.26		
Toluene*	<0.050	0.050	11/05/2021	ND	2.01	100	2.00	4.96		
Ethylbenzene*	<0.050	0.050	11/05/2021	ND	2.06	103	2.00	4.02		
Total Xylenes*	<0.150	0.150	11/05/2021	ND	6.21	103	6.00	2.78		
Total BTEx	<0.300	0.300	11/05/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	11/05/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/05/2021	ND	231	116	200	2.48	
DRO >C10-C28*	32.2	10.0	11/05/2021	ND	234	117	200	0.641	
EXT DRO >C28-C36	26.9	10.0	11/05/2021	ND					

Surrogate: 1-Chlorooctane 81.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 90.6 % 38.9-142

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**Analytical Results For:**

RANGER ENVIRONMENTAL SERVICES, INC.  
 WILL KIERDORF  
 PO BOX 201179  
 AUSTIN TX, 78729  
 Fax To: (512) 335-0527

Received:	11/05/2021	Sampling Date:	11/04/2021
Reported:	11/05/2021	Sampling Type:	Soil
Project Name:	EOG - MC CULLAR PROPERTY	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: CN - 1 (H213142-15)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/05/2021	ND	2.03	102	2.00	2.26		
Toluene*	<0.050	0.050	11/05/2021	ND	2.01	100	2.00	4.96		
Ethylbenzene*	<0.050	0.050	11/05/2021	ND	2.06	103	2.00	4.02		
Total Xylenes*	<0.150	0.150	11/05/2021	ND	6.21	103	6.00	2.78		
Total BTEx	<0.300	0.300	11/05/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	11/05/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/05/2021	ND	231	116	200	2.48	
DRO >C10-C28*	<10.0	10.0	11/05/2021	ND	234	117	200	0.641	
EXT DRO >C28-C36	<10.0	10.0	11/05/2021	ND					

Surrogate: 1-Chlorooctane 83.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 86.0 % 38.9-142

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### Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Mike Snyder", is written over a horizontal line.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager





101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Released to Imaging: 1/20/2022 8:19:33 AM



**BILL TO**

## ANALYSIS REQUEST

P.O. #:	5375
Company:	E06 Resources, Inc.
Attn:	Chase Settle
Address:	104 4th Street
City:	Artesia
State:	NM
Zip:	88210
Phone #:	575-703-6537
Fax #:	
PRESERV	SAMPLING

[illegible][illegible]

Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No    Add'l Phone #:	All Results are emailed. Please provide Email address:
will @ rangerenv.com    chase_settle@ecgresources.com	
REMARKS:	
Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>	Bacteria (only) Sample Condition
Thermometer ID #113    same day	Cool Intact    Observed Temp. °C
Correction Factor -0.5°C	Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to [celej.keene@cardinallabsnm.com](mailto:celej.keene@cardinallabsnm.com)

## **ATTACHMENT 4 – CONCRETE WALKWAY AREA CORRESPONDENCE**

**Adam Rankin**

---

**From:** Adam Rankin  
**Sent:** Monday, November 15, 2021 3:57 PM  
**To:** 'Tremaine, Jesse K, EMNRD'  
**Cc:** 'Smith, Cory, EMNRD'; 'Bratcher, Mike, EMNRD'; 'Ames, Eric, EMNRD'; 'Polak, Tiffany, EMNRD'  
**Subject:** RE: [EXTERNAL] RE: EOG - Inex #3 - Request for OCD guidance on McCullar property remediation and delineation issue  
**Attachments:** McCullar Property - Below Walkway Area Samples (2021.11.15).pdf

Jesse and OCD team:

Attached are the sample results from under the concrete walkway and below are notes from Ranger:

- All the samples presented in the table were collected as five part composite samples
- Sample "NW-1" was collected from the northern extent of the excavation up to the walkway in areas A-1, A-2 and A-3
- Sample "NW-2" was collected from the northern extent of the excavation up to the walkway in areas A-7, A-8 and A-9
- Due to elevated readings collected in the northern extent of the excavation in areas A-4, A-5 and A-6 (up to the walkway) multiple test holes were completed in the area to determine the extent. The first sample collected "N WALL / 1.5'-18" was collected approximately 1.5 feet into the walkway area. The remaining two samples "NW-3" and "NW-3.1" were collected 2.5 and 4 feet into the walkway area, respectively.
- The test holes completed below the walkway in the A-4, A-5 and A-6 areas were completed with a hand auger and ranged in depths from approximately 1 to 2 feet below ground/walkway surface.

With the exception of the A-4, A-5 and A-6 areas, all areas at the site have been backfilled and compacted. Currently Ms. McCullar has given the ok to leave the A-4, A-5 and A-6 areas open until we receive a response/direction from the NMOCDD on how to proceed in the area. We have flagged off the area for safety reasons, however, our strong preference is not to leave the area open for long and causing either a safety hazard or nuisance to Ms. McCullar and everyone at the property.

We appreciate the consideration and are happy to coordinate a call at the Division's request to discuss the sampling and status of the project to explain the circumstances around the concrete walkway issue.

Best,  
Adam

---

**From:** Adam Rankin  
**Sent:** Monday, November 15, 2021 1:58 PM  
**To:** 'Tremaine, Jesse K, EMNRD' <JesseK.Tremaine@state.nm.us>  
**Cc:** Smith, Cory, EMNRD <Cory.Smith@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Ames, Eric, EMNRD <Eric.Ames@state.nm.us>; Polak, Tiffany, EMNRD <Tiffany.Polak@state.nm.us>  
**Subject:** RE: [EXTERNAL] RE: EOG - Inex #3 - Request for OCD guidance on McCullar property remediation and delineation issue

Jesse,

I've requested the sample results to share with OCD and will send them over once I have them.

**From:** Tremaine, Jesse K, EMNRD <[JesseK.Tremaine@state.nm.us](mailto:JesseK.Tremaine@state.nm.us)>  
**Sent:** Friday, November 12, 2021 2:41 PM  
**To:** Adam Rankin <[AGRankin@hollandhart.com](mailto:AGRankin@hollandhart.com)>  
**Cc:** Smith, Cory, EMNRD <[Cory.Smith@state.nm.us](mailto:Cory.Smith@state.nm.us)>; Bratcher, Mike, EMNRD <[mike.bratcher@state.nm.us](mailto:mike.bratcher@state.nm.us)>; Ames, Eric, EMNRD <[Eric.Ames@state.nm.us](mailto:Eric.Ames@state.nm.us)>; Polak, Tiffany, EMNRD <[Tiffany.Polak@state.nm.us](mailto:Tiffany.Polak@state.nm.us)>  
**Subject:** RE: [EXTERNAL] RE: EOG - Inex #3 - Request for OCD guidance on McCullar property remediation and delineation issue

**External Email**

Hi Adam,

Can Ranger share the analytical data for the samples under the sidewalk with Mike Bratcher? Unless we are missing something, I don't believe that OCD has seen that. I'm checking with Mike and Cory on availability for a call.

Jesse K. Tremaine  
Attorney, Office of General Counsel  
New Mexico Energy, Minerals & Natural Resources Department  
1220 South St. Francis Dr., Santa Fe, NM 87505  
Cell: (505) 231-9312  
E-mail: [JesseK.Tremaine@state.nm.us](mailto:JesseK.Tremaine@state.nm.us)



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**From:** Adam Rankin <[AGRankin@hollandhart.com](mailto:AGRankin@hollandhart.com)>  
**Sent:** Friday, November 12, 2021 1:16 PM  
**To:** Tremaine, Jesse K, EMNRD <[JesseK.Tremaine@state.nm.us](mailto:JesseK.Tremaine@state.nm.us)>  
**Cc:** Smith, Cory, EMNRD <[Cory.Smith@state.nm.us](mailto:Cory.Smith@state.nm.us)>; Bratcher, Mike, EMNRD <[mike.bratcher@state.nm.us](mailto:mike.bratcher@state.nm.us)>; Ames, Eric, EMNRD <[Eric.Ames@state.nm.us](mailto:Eric.Ames@state.nm.us)>; Polak, Tiffany, EMNRD <[Tiffany.Polak@state.nm.us](mailto:Tiffany.Polak@state.nm.us)>  
**Subject:** [EXTERNAL] RE: EOG - Inex #3 - Request for OCD guidance on McCullar property remediation and delineation issue

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Jesse,

Just checking in to see if we can possibly have a short call today to discuss this request so we know how to proceed with the site. Ranger has completed the backfill for all but the area around the concrete walkway.

Best,  
Adam

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**From:** Adam Rankin  
**Sent:** Monday, November 8, 2021 4:01 PM  
**To:** Tremaine, Jesse K, EMNRD <[JesseK.Tremaine@state.nm.us](mailto:JesseK.Tremaine@state.nm.us)>  
**Cc:** Smith, Cory, EMNRD <[Cory.Smith@state.nm.us](mailto:Cory.Smith@state.nm.us)>; Bratcher, Mike, EMNRD <[mike.bratcher@state.nm.us](mailto:mike.bratcher@state.nm.us)>; Ames, Eric, EMNRD <[Eric.Ames@state.nm.us](mailto:Eric.Ames@state.nm.us)>; Polak, Tiffany, EMNRD <[Tiffany.Polak@state.nm.us](mailto:Tiffany.Polak@state.nm.us)>  
**Subject:** RE: EOG - Inex #3 - Request for OCD guidance on McCullar property remediation and delineation issue

Jesse,

Ranger expects to be mostly wrapping up its site work at the McCullar property by tomorrow. We would very much appreciate guidance from the Division on whether and how to address elevated chloride levels detected under the existing concrete walkway in the horse barn area, described in my earlier email below. Attached are 2 photos depicting the soil below the concrete walkway and a site map identifying the location of the walkway for reference. Our preference is to leave the soil under the walkway undisturbed because we believe that it is unrelated to the soil that was transported to the site by ESS.

We are happy to coordinate a call with ESS and EOG to discuss this request and address any questions the Division may have, but would like to get the Division's guidance before work on location is otherwise complete (pending OCD closure approval, of course).

All best,  
Adam

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**Adam G. Rankin**

Partner, Holland & Hart LLP

110 N. Guadalupe, Suite 1, Santa Fe, NM 87501

Direct 505.954.7294 Cell 505.570-0377 Main 505.988.4421

**HOLLAND & HART** 



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**From:** Adam Rankin  
**Sent:** Wednesday, November 3, 2021 6:41 PM  
**To:** Tremaine, Jesse K, EMNRD <[JesseK.Tremaine@state.nm.us](mailto:JesseK.Tremaine@state.nm.us)>  
**Cc:** Hernandez, Emily, EMNRD <[Emily.Hernandez@state.nm.us](mailto:Emily.Hernandez@state.nm.us)>; Bratcher, Mike, EMNRD <[mike.bratcher@state.nm.us](mailto:mike.bratcher@state.nm.us)>; Ames, Eric, EMNRD <[Eric.Ames@state.nm.us](mailto:Eric.Ames@state.nm.us)>  
**Subject:** RE: EOG - Inex #3 - Request for OCD guidance on McCullar property remediation and delineation issue

Jesse,

EOG's environmental contractor, Ranger, has been making steady progress remediating and sampling the McCullar property as previously discussed with OCD. However, we have encountered a situation that we believe requires OCD guidance. In short, Ranger has been taking confirmatory samples to delineate the contaminated soil at the McCullar site. There is an area under an 8-foot wide concrete walkway at the north end of the covered horse pen area that is showing elevated levels of chlorides; however, we believe that because of the depth and distance from the location of the deposited soil, that the elevated chlorides under the walkway are not related to the soil deposited by ESS. My



understanding is that Ms. McCullar and her boyfriend, Mr. McCormick, agree that the chlorides in the soil under the walkway is likely not related to the soil deposited on the site. They are willing to confirm their understanding to OCD.

Because Ranger is in the process of removing soil and backfilling with clean soil at the site, we would like to schedule a short call at OCD's earliest convenience to explain the situation and request OCD approval to leave the soil beneath the concrete walkway undisturbed.

We appreciate OCD's consideration of this request and are happy to accommodate a call at OCD's convenience.

Best,  
Adam

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**Adam G. Rankin**

Partner, Holland & Hart LLP

110 N. Guadalupe, Suite 1, Santa Fe, NM 87501

Direct 505.954.7294 Cell 505.570-0377 Main 505.988.4421

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**From:** Tremaine, Jesse K, EMNRD <[JesseK.Tremaine@state.nm.us](mailto:JesseK.Tremaine@state.nm.us)>

**Sent:** Tuesday, October 19, 2021 12:46 PM

**To:** Adam Rankin <[AGRankin@hollandhart.com](mailto:AGRankin@hollandhart.com)>

**Cc:** Hernandez, Emily, EMNRD <[Emily.Hernandez@state.nm.us](mailto:Emily.Hernandez@state.nm.us)>; Bratcher, Mike, EMNRD <[mike.bratcher@state.nm.us](mailto:mike.bratcher@state.nm.us)>; Ames, Eric, EMNRD <[Eric.Ames@state.nm.us](mailto:Eric.Ames@state.nm.us)>

**Subject:** RE: [EXTERNAL] RE: EOG - Updated Site Characterization/Assessment Plan for Inex #3 - update and requested extension of informal review to 12/17

**External Email**

Good Afternoon Adam,

OCD will agree to extend the informal resolution period. The team is reviewing the information submitted by EOG so far – I think we should schedule a time to talk once I am back from the conference.

Jesse K. Tremaine  
Attorney, Office of General Counsel  
New Mexico Energy, Minerals & Natural Resources Department  
1220 South St. Francis Dr., Santa Fe, NM 87505  
Cell: (505) 231-9312  
E-mail: [JesseK.Tremaine@state.nm.us](mailto:JesseK.Tremaine@state.nm.us)



---

**From:** Kerry J. McCullar <kerryjmccullar@gmail.com>  
**Sent:** Monday, November 29, 2021 3:54 PM  
**To:** Katie Jamison <Katie\_Jamison@eogresources.com>  
**Subject:** Re: McCullar Property: Leaving Soil Under Concrete Walkway

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Yes it can remain in place.

Sent from my iPhone

On Nov 29, 2021, at 3:06 PM, Katie Jamison <[Katie\\_Jamison@eogresources.com](mailto:Katie_Jamison@eogresources.com)> wrote:

Ms. McCullar,

Thank you. I was not able to find an email from you on November 18. I am sorry if I missed it. Base on your email below, I understand that you agree that the soil under the concrete walkway can remain in place and undisturbed. Please let me know if that is not correct. We intend to notify the Division later today and will coordinate with Ranger to complete the backfilling process.

Thank you,  
Katie Jamison

---

**From:** Kerry J. McCullar <[kerryjmccullar@gmail.com](mailto:kerryjmccullar@gmail.com)>  
**Sent:** Monday, November 29, 2021 11:49 AM  
**To:** Katie Jamison <[Katie\\_Jamison@eogresources.com](mailto:Katie_Jamison@eogresources.com)>  
**Subject:** Re: McCullar Property: Leaving Soil Under Concrete Walkway

**CAUTION:** This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good morning,

I am sorry, I did reply on the 18th of November??

Sounds like great news! Seems correct since the cement was in place before the the dirt was hauled in.

Kerry

Sent from my iPhone

On Nov 29, 2021, at 11:02 AM, Katie Jamison <[Katie\\_Jamison@eogresources.com](mailto:Katie_Jamison@eogresources.com)> wrote:

Good Morning, Ms. McCullar:

I just wanted to follow up on the email below and see if you've had a chance to review. If we can get your approval to leave the soil under the walkway, we can communicate that to NMOCD and move forward with completion of your property remediation.

Thank you,  
Katie Jamison

---

**From:** Katie Jamison  
**Sent:** Thursday, November 18, 2021 1:09 PM  
**To:** 'Kerry J. McCullar' <[kerryjmccullar@gmail.com](mailto:kerryjmccullar@gmail.com)>  
**Subject:** McCullar Property: Leaving Soil Under Concrete Walkway

Dear Ms. McCullar,

As we have discussed, we approached the Division for their guidance on the soil samples that Ranger collected below the concrete walkway in the covered horse barn area. The results, which are attached, show that there are elevated levels of chlorides below the concrete walkway. As we have discussed, we do not believe that those elevated chloride levels are likely associated with the soil that was deposited in the area by ESS and so are not related to our remediation efforts. It is our understanding that you agree.

After conferring with the Division and providing them a copy of the attached sample results, they agree that the chloride levels under the walkway could be attributed to other sources or causes and so agree that the soil under the walkway can remain in place and undisturbed; however, the Division wants to ensure that you, as the property owner, agree that the soil can remain in place and undisturbed.

If you agree, please respond to this email by confirming that you agree the soil under the concrete walkway is unrelated to the soil deposited by ESS and that it can remain in place and undisturbed.

Thank you for your consideration and cooperation during this process.

Sincerely,

*Katie Jamison*

Safety & Environmental Manager  
EOG Resources, Inc – Artesia NM Division  
104 S. Fourth Street  
Artesia, NM 88210

Cell: 575-513-9915

<image008.png>

<McCullar Property - Below Walkway Area Samples (2021.11.15).pdf>

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

CONDITIONS  
  
Action 71923

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 71923
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	None	1/20/2022