

Incident ID	nAPP2234938641
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

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

Printed Name: Chase Settle Title: Rep Safety & Environmental Sr  
Signature: Chase Settle Date: 12/30/2022  
email: Chase\_Settle@eogresources.com Telephone: 575-748-1471

**OCD Only**

Received by: Jocelyn Harimon Date: 01/03/2023

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: Robert Hamlet Date: 5/5/2023  
Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced



## **SITE CHARACTERIZATION, REMEDIATION, AND CLOSURE REPORT**

**EAGLE CREEK PIPELINE - EAST  
UNIT C, SECTION 25, T18S-R25E  
EDDY COUNTY, NEW MEXICO  
32.72393, -104.43893  
RANGER REFERENCE NO. 5375**

**PREPARED FOR:**

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

**PREPARED BY:**

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

**DECEMBER 30, 2022**

A blue ink signature of Max Cook, consisting of stylized initials.

**Max Cook, CAPM  
Senior Project Manager**

A blue ink signature of William Kierdorf, consisting of stylized initials.

**William Kierdorf, REM  
Project Manager**

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### FORM C-141

#### FIGURES

- Topographic Map
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- Site Assessment Soil BTEX (EPA 8260), TPH (EPA 8015) & Chloride (EPA 300) Analytical Data
- Confirmation Sample Soil BTEX (EPA 8260), TPH (EPA 8015) & Chloride (EPA 300) Analytical Data

#### ATTACHMENTS

- Attachment 1 – Depth-to-Groundwater Data
- Attachment 2 – Photographic Documentation
- Attachment 3 – Laboratory Analytical Reports
- Attachment 4 – NMOCD Correspondence



**SITE CHARACTERIZATION, REMEDIATION, AND CLOSURE REPORT  
EAGLE CREEK PIPELINE - EAST  
UNIT C, SECTION 25, T18S-R25E  
EDDY COUNTY, NEW MEXICO  
32.72393, -104.43893  
RANGER REFERENCE NO. 5375**

## **1.0 SITE LOCATION AND BACKGROUND**

The Eagle Creek Pipeline – East (Site) is located on private property, approximately 8.5 miles southwest of Artesia, within Eddy County, New Mexico. The Site is situated in Unit C, Section 25, T18S-R25E at GPS coordinates 32.72393, -104.43893.

An area of possible historical impacts was identified in the vicinity of the out-of-service and abandoned Eagle Creek Pipeline, historically operated by EOG Resources, Inc. (EOG). EOG subsequently engaged Ranger Environmental Services, LLC (Ranger) to assist in the assessment, remediation, and reclamation efforts at the Site. On December 1, 2022 Ranger, and representatives of EOG conducted assessment activities in the reported area. Based on the findings of the site assessment, the incident was reported to the New Mexico Oil Conservation Division (NMOCD) (NMOCD Incident # nAPP2234938641).

The following *Site Characterization, Remediation, and Closure Report* has been prepared to provide full site characterization details for the site and to document the activities undertaken to address the soil impacts at the Site.

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

## **2.0 SITE CHARACTERIZATION**

### **2.1 Depth-to-Groundwater**

To determine the depth-to-groundwater in the vicinity of the Site, data available from the U.S. Geological Survey (USGS) and the New Mexico Office of the State Engineer (NMOSE) was reviewed. Based upon the reviewed information, one water well (USGS 324331104264901) was identified. Upon review of the water well data, depth-to-groundwater in the well is documented to be greater than 100 feet below ground surface (bgs). The most recent data for the well was collected in January 2015, and is noted to be within the acceptable NMOCD timeframe criteria.

Based upon the reviewed information, the depth-to-groundwater in the area of the Site appears to be greater than 100 feet bgs. Copies of the reviewed depth-to-groundwater information is attached.

## 2.2 Wellhead Protection Area

Based upon the USGS and NMOSE information, one water well was identified within a half-mile of the Site. The well is located approximately 2,512 feet west-northwest of the Site.

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

## 2.3 Distance to Nearest Significant Watercourse

Based upon available online resources a significant watercourse, "Rio Peñasco", is located approximately 800 feet south of the Site.

## 2.4 Closure Criteria

Based upon the Site characterization details, and per NMAC 19.15.29.12, the Site was remediated to Table 1 19.15.29.12 NMAC (groundwater >100 feet) criteria. Additionally, the remediation activities were conducted to bring the area into compliance with the Restoration, Reclamation and Re-Vegetation criteria detailed in 19.15.29.13 NMAC (Restoration Criteria). The proposed closure criteria are detailed below:

REGULATORY STANDARD	CHLORIDE	TPH (GRO+DRO +MRO)	TPH (GRO+DRO)	BTEX	BENZENE
19.15.29.12 NMAC Table 1 Closure Criteria for Soils Impacted by a Release (GW >100')	20,000	2,500	1,000	50	10
19.15.29.13 NMAC Restoration, Reclamation and Re-Vegetation (Soils 0'-4')	600	100 <sup>1</sup>	---	50 <sup>1</sup>	10 <sup>1</sup>

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

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

### **3.0 SITE ASSESSMENT, REMEDIATION, AND CONFIRMATION SAMPLING**

#### **3.1 December 2022 – Site Assessment**

On December 1 and 2, 2022, Ranger personnel and representatives of EOG completed assessment activities in the reported area at the Site. Upon inspection, Ranger personnel observed an area west of the Site that was noted to have significant erosion causing the out-of-service Eagle Creek Pipeline to be exposed. The assessment process included the installation of excavation test holes and the collection of soil samples for laboratory analysis. During the assessment process, a total of 10 test excavations were completed to a maximum depth of approximately four feet. Additionally, one sample (TTH-1) was collected from the base of the erosion area, approximately 6 feet below ground surface, where the Eagle Creek Pipeline was exposed.

During the test hole installation process, soils were analyzed by Ranger personnel at the surface and at approximate one-foot intervals using an organic vapor monitor (OVM) and a field chloride titration kit to assist in evaluating soil conditions and/or levels of impacts in the area. Field screening of the encountered soils were conducted at the surface and at one-foot increments to the total test excavation depths.

Soil samples for laboratory analysis were collected from each test hole location and a sample was collected from the base on the erosion area. Upon collection, the soil samples were submitted to Hall Environmental Laboratory, Inc. in Albuquerque, New Mexico for analysis of total petroleum hydrocarbons (TPH) using EPA Method 8015; benzene, toluene, ethylbenzene and xylenes (BTEX) using EPA Method 8021; and, total chloride using EPA Method 300. The samples were collected and managed using standard QA/QC and chain-of-custody procedures.

Upon review of the soil sample analytical results, elevated chloride concentrations were identified in four of the 10 test excavation locations. The remaining sample locations, including the sample collected from the erosion area, were noted to have chloride concentrations within the applicable regulatory criteria. All samples collected were noted to have BTEX and TPH concentrations below the applicable regulatory criteria. It should also be noted that a depth of four feet bgs, all sample locations containing elevated chloride concentrations were noted to have chloride concentrations within the applicable Table 1 19.15.29.12 NMAC (groundwater >100 feet) criteria.

The initial assessment soil sample analytical results are summarized in Table 1. Copies of the laboratory analytical reports are also attached.

#### **3.2 Site Remediation, Confirmation Sampling, and Sample Results**

In order to address the impacts at the Site and bring the location into compliance with NMAC 19.15.29, soil removal operations were conducted in December 2022. Based on the information collected during the Site assessment activities, initial removal operations were completed to depths and boundaries anticipated to be within the closure criteria. During the excavation process, Ranger personnel collected field readings utilizing an organic vapor monitor (OVM) and field chloride titration kit to guide the excavation boundaries and depths. Upon completion of the initial soil removal operations, the excavated area had maximum dimensions of approximately 78 feet by 67 feet and a maximum depth of approximately four feet bgs.



To confirm the excavation had been completed to appropriate boundaries, on December 21, 2022, Ranger personnel mobilized to the site to collect cleanup confirmation soil samples. The cleanup confirmation soil samples were collected as five-part composite samples in accordance with NMAC 19.15.29.12 with each sample representing less than 200 square feet. In total, 30 excavation base samples and seven excavation wall samples were collected during the December 21, 2022 confirmation sampling activities.

Upon collection, the soil samples were submitted to Hall Environmental in Albuquerque, New Mexico for analysis of TPH, BTEX, and chloride using the afore-mentioned laboratory methods. The samples were collected and managed using standard QA/QC and chain-of-custody procedures.

Upon review of the cleanup confirmation laboratory sample results, all areas have been documented to be in attainment of the Restoration, Reclamation and Re-Vegetation criteria detailed in NMAC 19.15.29.13 and/or NMAC 19.15.9.12 Table 1 (DTGW >100') criteria. A comprehensive sample results table summarizing the laboratory analytical results for all of the cleanup confirmation soil samples collected during the remediation process is attached. Copies of the laboratory analytical reports including chain-of-custody documentation are also attached.

### **3.3 Waste Disposal**

All soils generated during the remedial excavation activities were transported and disposed of at Lea Land disposal facility in Lea County, New Mexico.

## **4.0 SITE CLOSURE**

### **4.1 Site Backfill and Re-seeding**

Based on the cleanup confirmation soil sample results, the excavated area will be backfilled with clean fill material in accordance with NMAC 19.15.29.12 and NMAC 19.15.29.13. Re-vegetation efforts in the subject area will be completed in accordance with NMAC 19.15.29.13

### **4.2 Closure Request**

Based on the cleanup confirmation soil sample results, the site has been properly addressed pursuant to NMAC 19.15.29 and EOG respectfully requests 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	nAPP2234938641
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 #	nAPP2234938641
Contact mailing address	104 S. 4th Street, Artesia, NM 88210		

### Location of Release Source

Latitude 32.72393 Longitude -104.43893  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Eagle Creek Pipeline- East	Site Type	Pipeline
Date Release Discovered	12/15/2022	API# (if applicable)	

Unit Letter	Section	Township	Range	County
C	25	18S	25E	Eddy

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name: Wilson Ranch)

### 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 checked="" type="checkbox"/> Produced Water	Volume Released (bbls) <u>Unknown</u>	Volume Recovered (bbls) <u>0</u>
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" 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 type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release Notification was received of possible historical impacts at the site of an abandoned and out of service pipeline. An environmental consultant was retained to conduct a site assessment to determine the presence of impacts and reportability requirements. Based on the assessment completed, it was determined 12/15/2022 that the site did have historical impacts and that it most likely crossed the reportable threshold requiring submission of a C-141.

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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 checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" 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:	
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>Chase Settle</u>	Date: <u>12/15/2022</u>
email: <u>Chase_Settle@eogresources.com</u>	Telephone: <u>575-748-1471</u>
<b><u>OCD Only</u></b>	
Received by: <u>Jocelyn Harimon</u>	Date: <u>12/15/2022</u>

**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 167472

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 167472
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	12/15/2022

Incident ID	nAPP2234938641
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## Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>&gt;100'</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" 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 checked="" 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 checked="" 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 checked="" 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 checked="" 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 checked="" 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 checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input checked="" 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.

## Oil Conservation Division

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Printed Name: Chase Settle Title: Rep Safety & Environmental Sr  
Signature: Chase Settle Date: 12/30/2022  
email: Chase\_Settle@eogresources.com Telephone: 575-748-1471

**OCD Only**

Received by: Jocelyn Harimon Date: 01/03/2023

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**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: 12/30/2022  
email: Chase\_Settle@eogresources.com Telephone: 575-748-1471

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

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

## FIGURES

Topographic Map

Area Map

**Water Well** Location Map

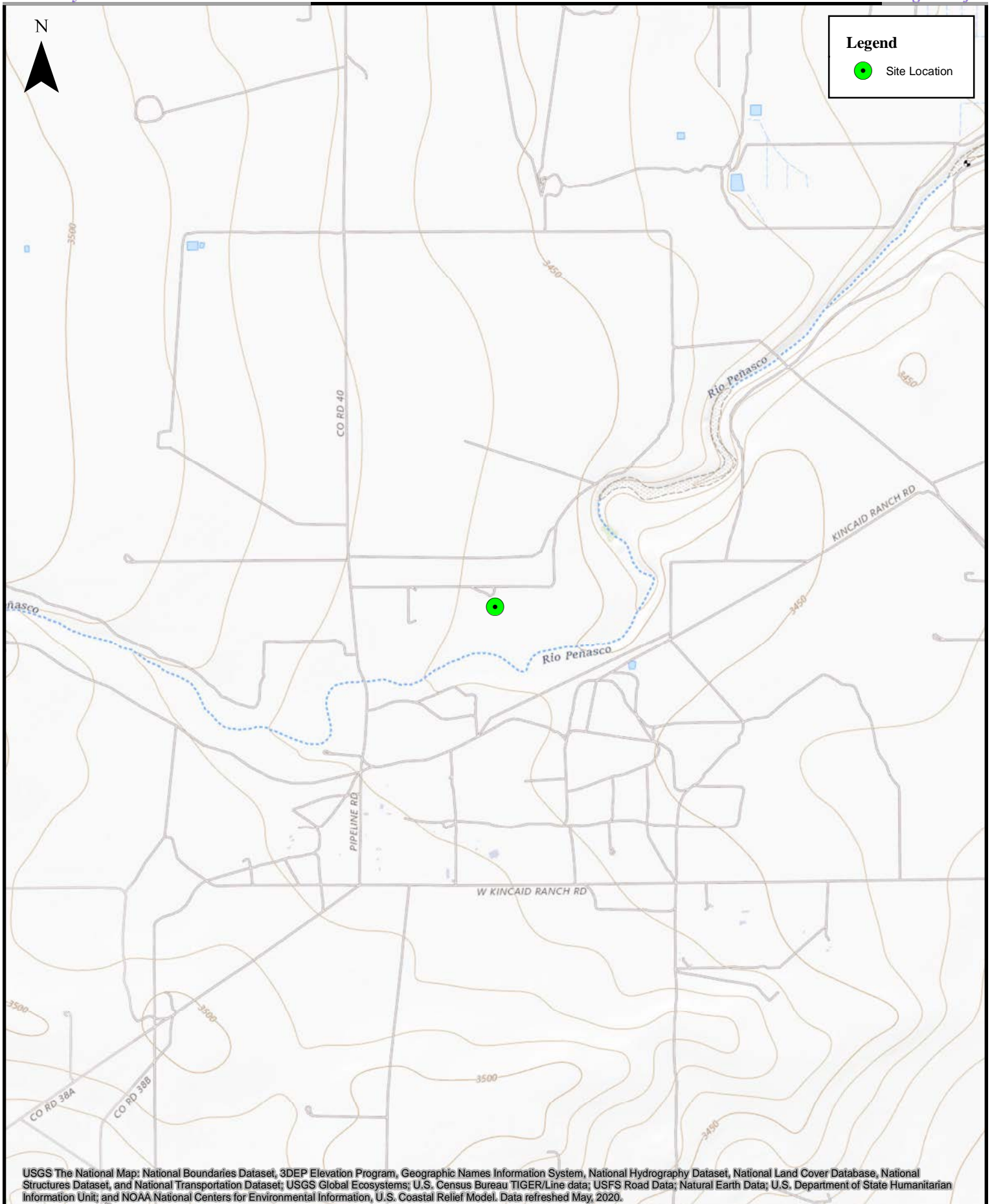
National Wetland Inventory Map


FEMA Floodplain Map

Karst Topography Map

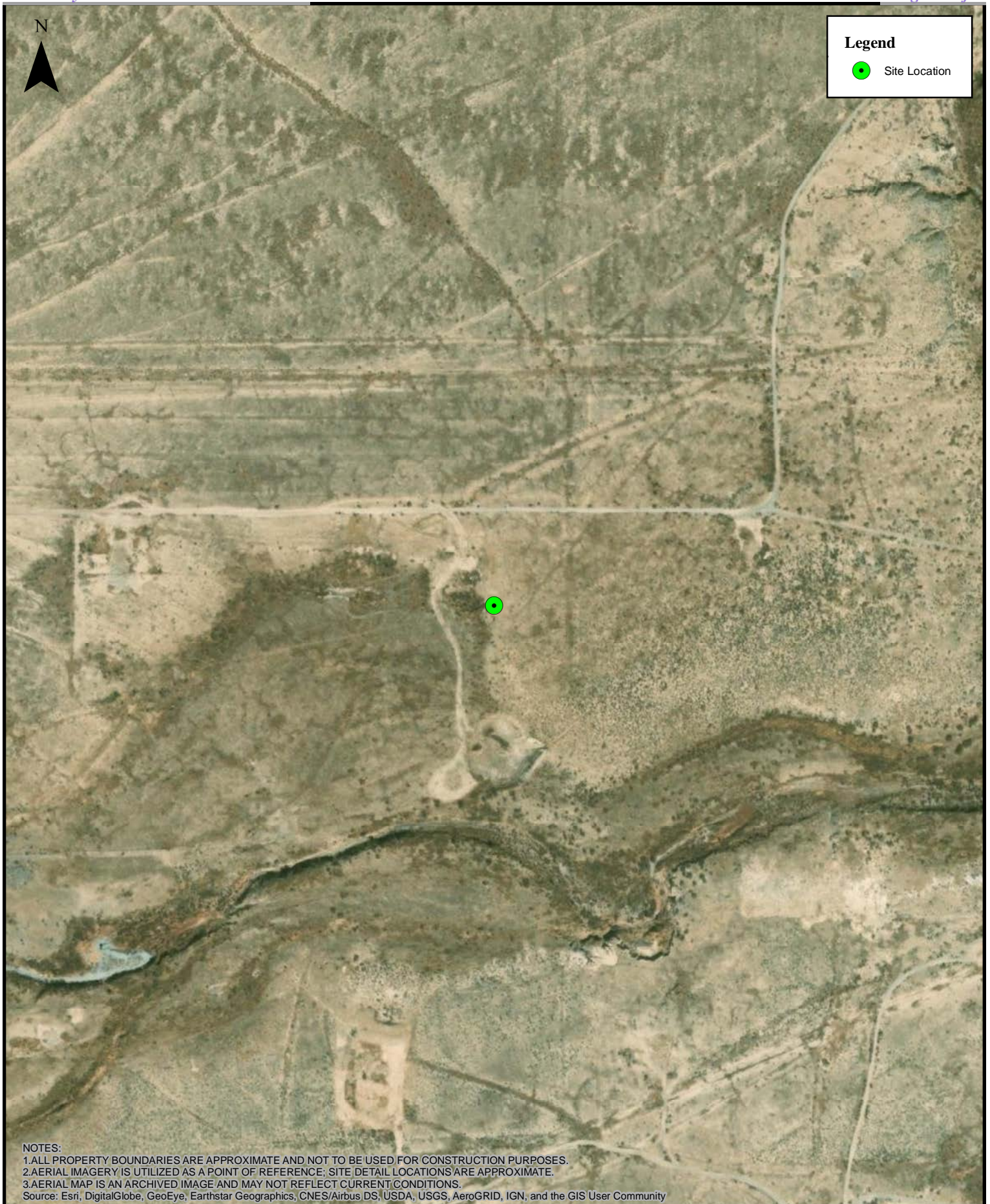
Assessment Sample Location Map

Final Excavation Area and Confirmation Sample Location Map



 <p>0 600 1,200 2,400 3,600 4,800 Feet</p> <p>1:24,000</p>	<p><b>Topographic Map</b> Eagle Creek Pipeline - East EOG Resources, Inc.</p>
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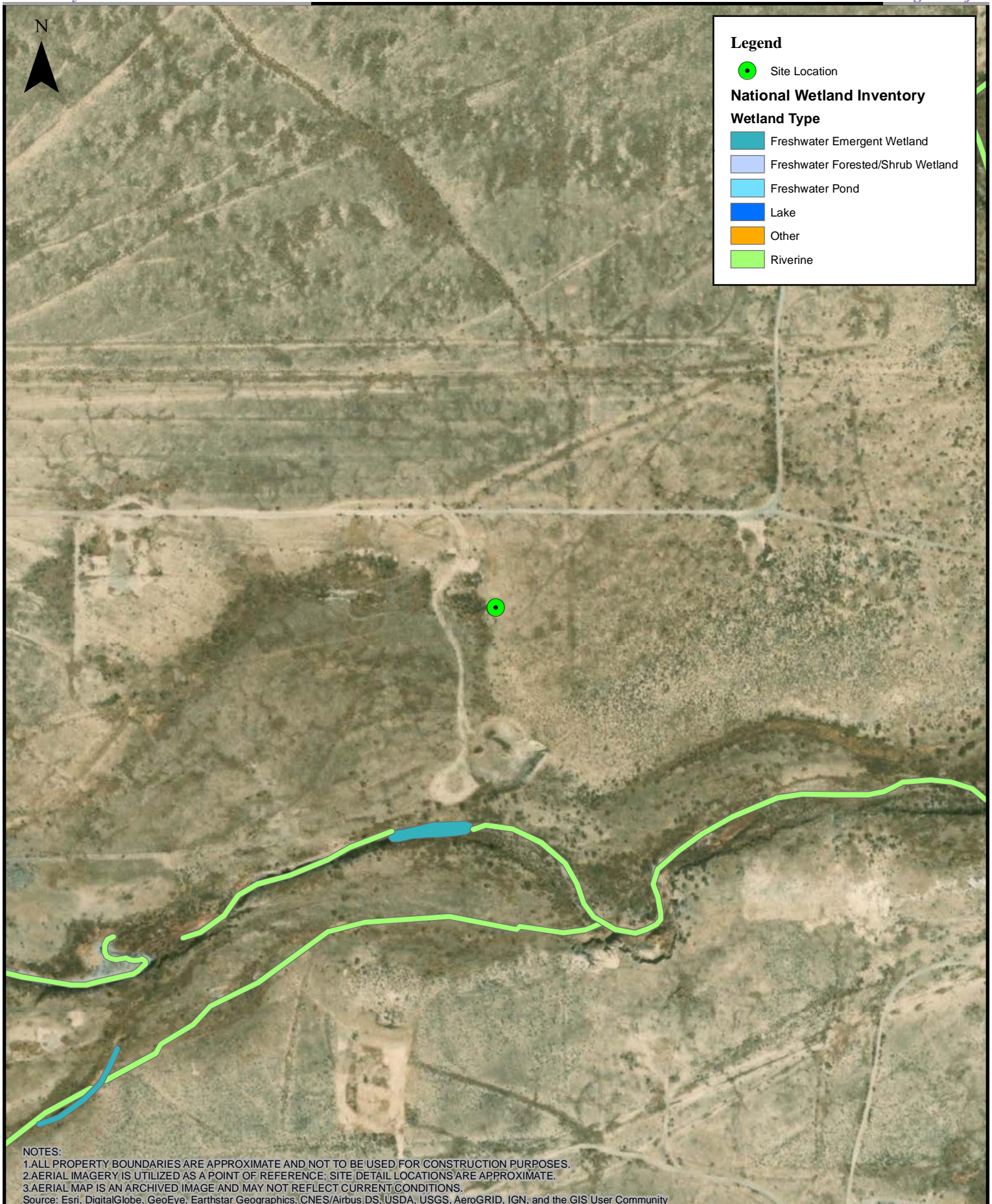


0 250 500 1,000 1,500 2,000 Feet

1:10,000

**Water Well Location Map**  
Eagle Creek Pipeline - East  
EOG Resources, Inc.





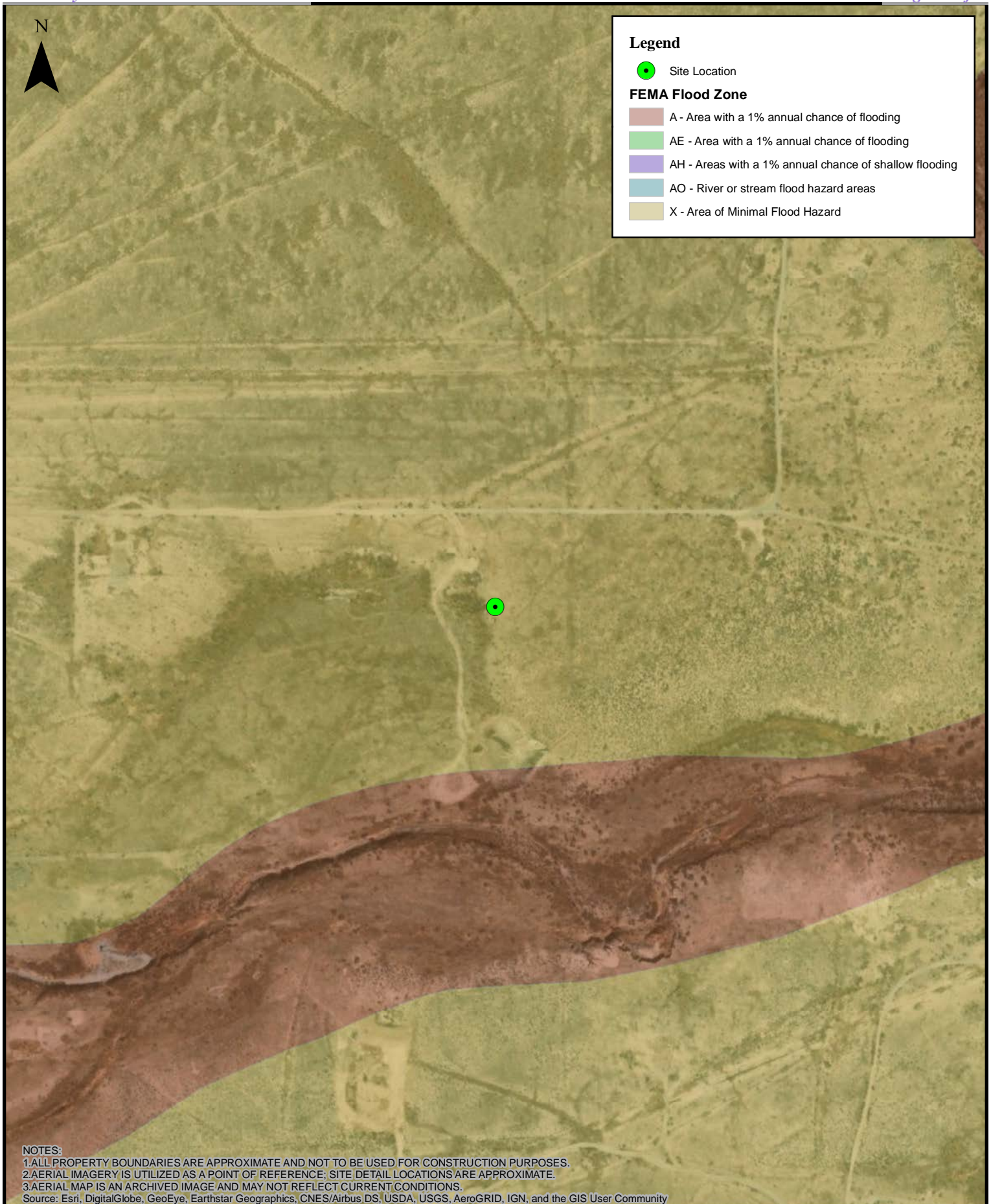
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1:5,000

### National Wetland Inventory Map

Eagle Creek Pipeline - East  
EOG Resources, Inc.



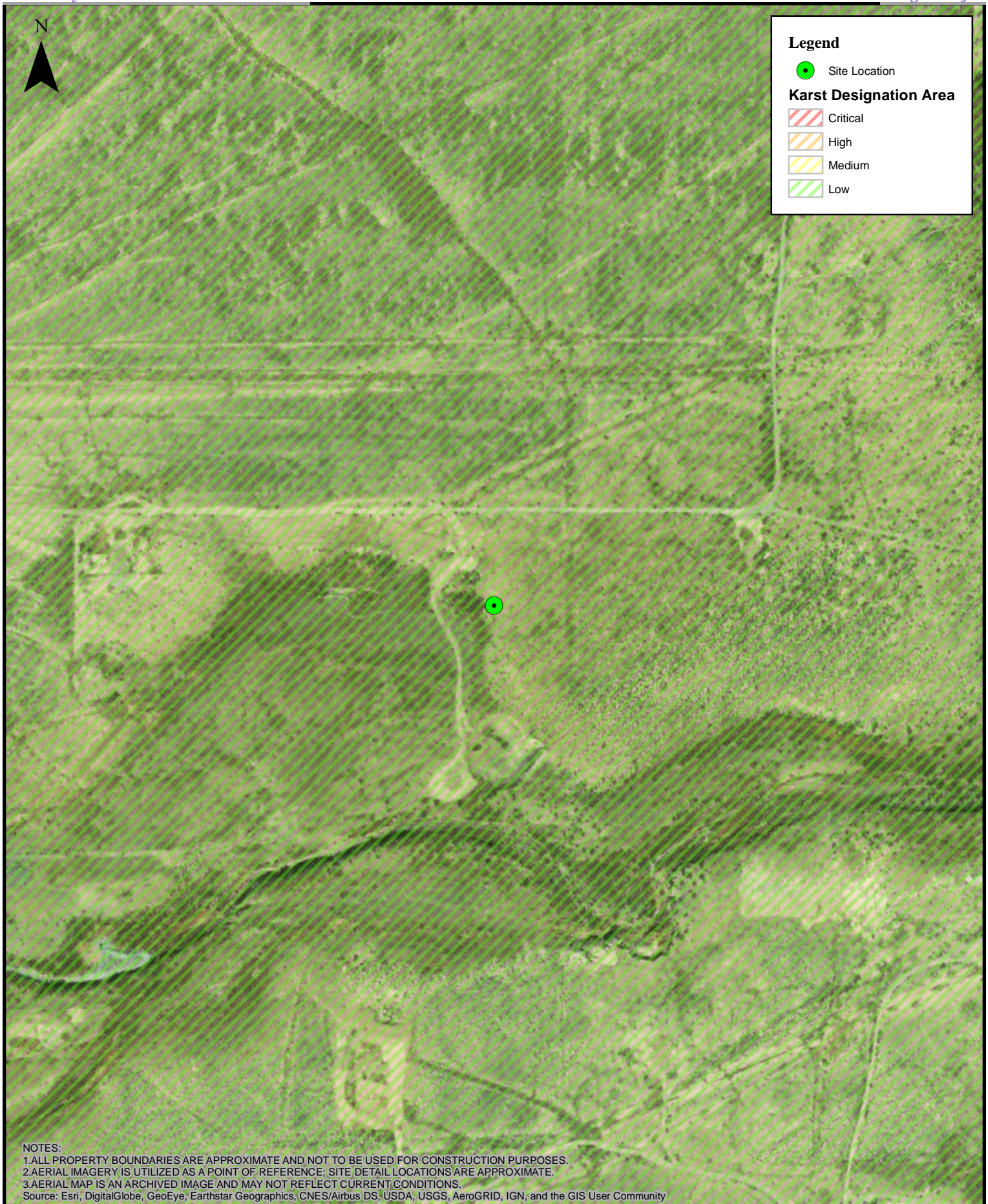


0 125 250 500 750 1,000 Feet

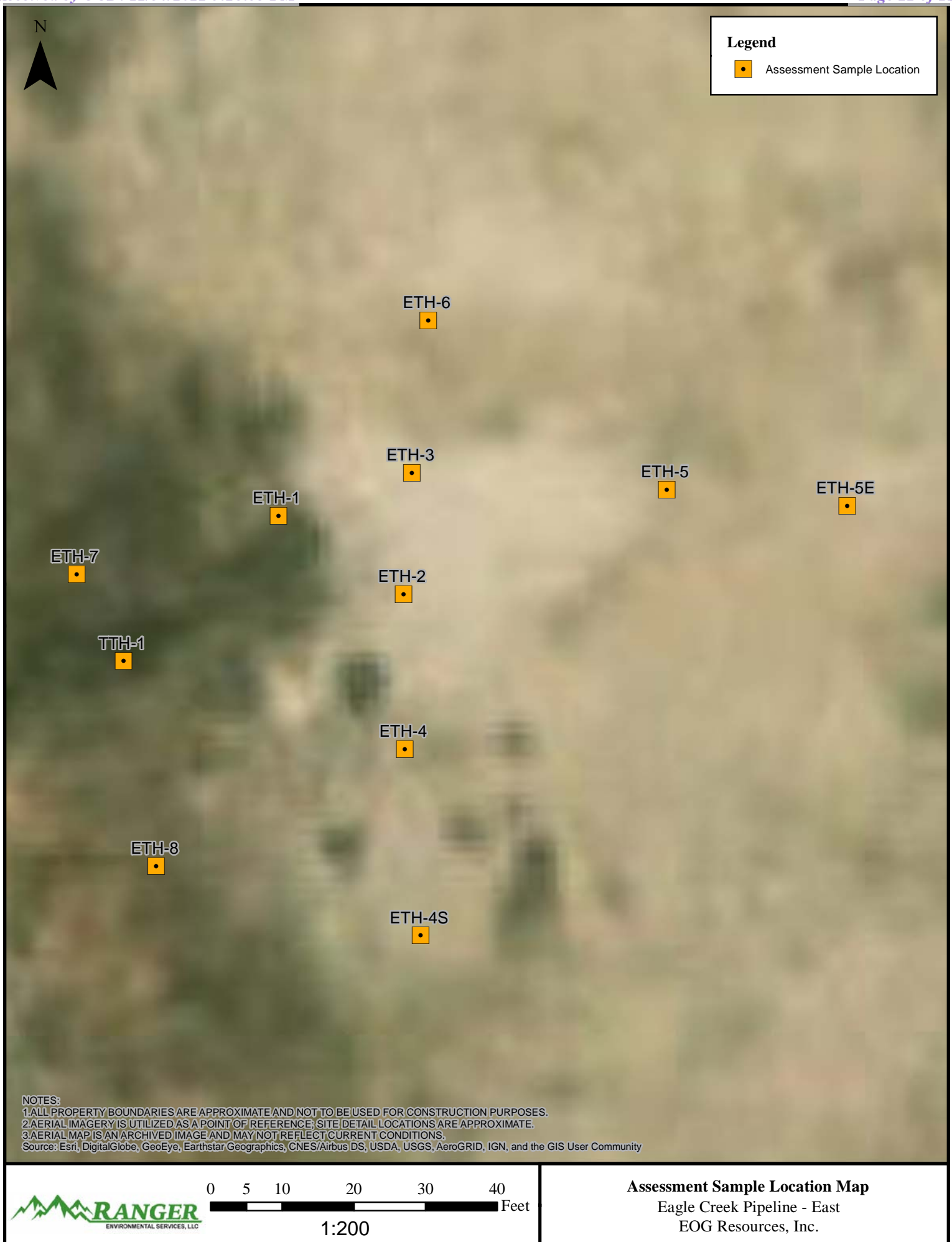
1:5,000

**FEMA Floodplain Map**  
Eagle Creek Pipeline - East  
EOG Resources, Inc.












**Legend**

-  Excavation Wall Sample Area
-  Excavation Base Sample Area
- Excavation Depth**
-  ~4' Deep

**NOTES:**

1. ALL PROPERTY BOUNDARIES ARE APPROXIMATE AND NOT TO BE USED FOR CONSTRUCTION PURPOSES.

2. AERIAL IMAGERY IS UTILIZED AS A POINT OF REFERENCE; SITE DETAIL LOCATIONS ARE APPROXIMATE.

3. AERIAL MAP IS AN ARCHIVED IMAGE AND MAY NOT REFLECT CURRENT CONDITIONS.

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



0 5 10 20 30 40 Feet

1:200

**Final Excavation and Confirmation  
Sample Location Map**

Eagle Creek Pipeline - East  
EOG Resources, Inc.

## TABLES

Site Assessment Soil Sample BTEX (EPA 8260), TPH (EPA 8015)  
& Chloride (EPA 300) Analytical Data

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



SITE ASSESSMENT SOIL SAMPLE BTEX (EPA 8021), TPH (SW 8015) & CHLORIDE (EPA 300) ANALYTICAL DATA EOG RESOURCES, INC. EAGLE CREEK PIPELINE - EAST													
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
ETH-1/3	12/1/2022	3'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	<14	<48	<14	<48	1,000
ETH-1/4	12/1/2022	4'	<0.023	<0.047	<0.047	<0.094	<0.09	<4.7	<15	<50	<15	<50	970
ETH-2/3	12/1/2022	3'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	<14	<48	<14	<48	2,900
ETH-2/4	12/1/2022	4'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<15	<49	<15	<49	10,000
ETH-3/3	12/1/2022	3'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<14	<48	<14	<48	4,200
ETH-3/4	12/1/2022	4'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<14	<48	<14	<48	2,800
ETH-4/1	12/2/2022	1'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<15	<50	<15	<50	520
ETH-4/4	12/2/2022	4'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<14	<48	<14	<48	820
ETH-5/1	12/2/2022	1'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<14	<47	<14	<47	2,500
ETH-5/4	12/2/2022	4'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<14	<48	<14	<48	810
ETH-5E/1	12/2/2022	1'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<15	<48	<15	<48	210
ETH-5E/4	12/2/2022	4'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<13	<44	<13	<44	220
ETH-6/1	12/2/2022	1'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<15	<49	<15	<49	<60
ETH-6/4	12/2/2022	4'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<15	<49	<15	<49	190
ETH-7/1	12/2/2022	1'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<15	<49	<15	<49	<60
ETH-7/4	12/2/2022	4'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<15	<50	<15	<50	180
ETH-4S/1	12/2/2022	1'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<14	<47	<14	<47	<60
ETH-4S/4	12/2/2022	4'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<15	<49	<15	<49	<60
ETH-8/1	12/2/2022	1'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<14	<47	<14	<47	<60
ETH-8/4	12/2/2022	4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<14	<46	<14	<46	<60
TTH-1	12/2/2022	6'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<15	<49	<15	<49	<60
19.15.29.12 NMAC Table 1 Closure Criteria for Soils Impacted by a Release (GW >100')			10	---	---	---	50	---	---	---	1,000	2,500	20,000
19.15.29.13 NMAC Reclamation Criteria (0'-4' Soils Only)			10 <sup>3</sup>	---	---	---	50 <sup>3</sup>	---	---	---	---	100 <sup>3</sup>	600
Notes:													
1. Results exceeding the Table 1 Closure Criteria are presented in bold type and are highlighted yellow.													
2. Results exceeding the NMAC Restoration, Reclamation and re-vegetation chloride concentration requirements are presented in bold red type.													
3. Value derived from the State of New Mexico Energy, Minerals and Natural Resources Department document Procedures for the Implementation of the Spill Rule (19.15.29 NMAC) dated September 6, 2019.													

CONFIRMATION SOIL SAMPLE BTEX (EPA 8021), TPH (SW 8015) & CHLORIDE (EPA 300) ANALYTICAL DATA EOG RESOURCES, INC. EAGLE CREEK PIPELINE - EAST													
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
EB-1	12/21/2022	4'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<14	<47	<14	<47	140
EB-2	12/21/2022	4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<15	<49	<15	<49	620
EB-3	12/21/2022	4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<14	<48	<14	<48	330
EB-4	12/21/2022	4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<14	<47	<14	<47	110
EB-5	12/21/2022	4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<14	<48	<14	<48	1,100
EB-6	12/21/2022	4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<14	<48	<14	<48	330
EB-7	12/21/2022	4'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<14	<46	<14	<46	310
EB-8	12/21/2022	4'	<0.025	<0.050	<0.050	<0.099	<0.10	<4.9	<14	<48	<14	<48	770
EB-9	12/21/2022	4'	<0.025	<0.050	<0.050	<0.099	<0.10	<4.9	<14	<46	<14	<46	100
EB-10	12/21/2022	4'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<13	<43	<13	<43	160
EB-11	12/21/2022	4'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<13	<43	<13	<43	320
EB-12	12/21/2022	4'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<14	<48	<14	<48	140
EB-13	12/21/2022	4'	<0.025	<0.050	<0.050	<0.098	<0.10	<4.9	<14	<46	<14	<46	120
EB-14	12/21/2022	4'	<0.025	<0.050	<0.050	<0.099	<0.10	<4.9	<14	<48	<14	<48	300
EB-15	12/21/2022	4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<15	<49	<15	<49	1,200
EB-16	12/21/2022	4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<14	<45	<14	<45	1,100
EB-17	12/21/2022	4'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<15	<50	<15	<50	300
EB-18	12/21/2022	4'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<14	<45	<14	<45	120
EB-19	12/21/2022	4'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<13	<44	<13	<44	300
EB-20	12/21/2022	4'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<14	<48	<14	<48	110
EB-21	12/21/2022	4'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<15	<50	<15	<50	140
EB-22	12/21/2022	4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<14	<48	<14	<48	1,100
EB-23	12/21/2022	4'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<15	<49	<15	<49	110
EB-24	12/21/2022	4'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<14	<47	<14	<47	600
EW-1	12/21/2022	0'-4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<15	<50	<15	<50	69
EW-2	12/21/2022	0'-4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<14	<48	<14	<48	<60
EW-3	12/21/2022	0'-4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<13	<44	<13	<44	190
EW-4	12/21/2022	0'-4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<13	<44	<13	<44	400
EW-5	12/21/2022	0'-4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<15	<48	<15	<48	220
EW-6	12/21/2022	0'-4'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<14	<47	<14	<47	150
19.15.29.12 NMAC Table 1 Closure Criteria for Soils Impacted by a Release (GW >100')			10	---	---	---	50	---	---	---	1,000	2,500	20,000
19.15.29.13 NMAC Reclamation Criteria (0'-4' Soils Only)			10 <sup>3</sup>	---	---	---	50 <sup>3</sup>	---	---	---	---	100 <sup>3</sup>	600
Notes:													
1. Results exceeding the Table 1 Closure Criteria are presented in bold type and are highlighted yellow.													
2. Results exceeding the NMAC Restoration, Reclamation and re-vegetation chloride concentration requirements are presented in bold red type.													
3. Value derived from the State of New Mexico Energy, Minerals and Natural Resources Department document Procedures for the Implementation of the Spill Rule (19.15.29 NMAC) dated September 6, 2019.													

# ATTACHMENT 1 – DEPTH-TO-GROUNDWATER DATA



[USGS Home](#)  
[Contact USGS](#)  
[Search USGS](#)

## National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

- See the [Water Data for the Nation Blog](#) for the latest news and updates.

Groundwater levels for the Nation



Important: [Next Generation Monitoring Location Page](#)

### Search Results -- 1 sites found

site\_no list =

- 324331104264901

Minimum number of levels = 1

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

### USGS 324331104264901 18S.25E.26.22223

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°43'31", Longitude 104°26'49" NAD27

Land-surface elevation 3,469 feet above NGVD29

The depth of the well is 250.00 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.

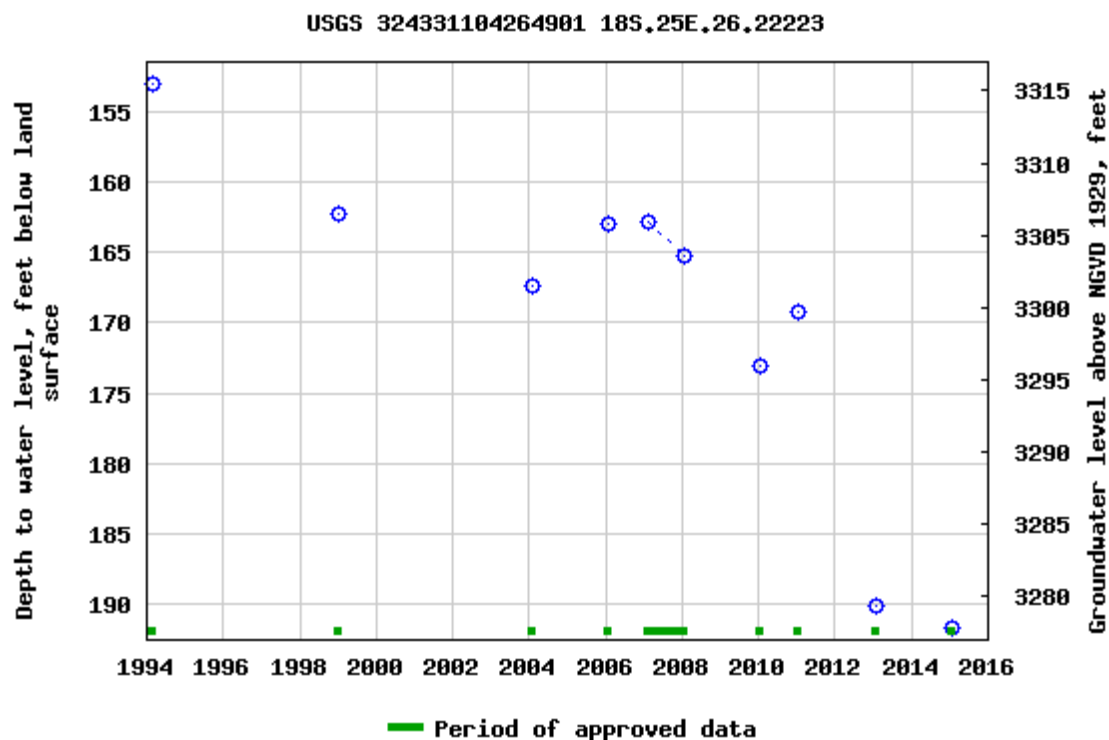
#### Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)



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

[Questions about sites/data?](#)

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[Automated retrievals](#)

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[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)

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

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



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

Page Last Modified: 2022-12-20 16:18:21 EST

0.66 0.56 nadww01

## ATTACHMENT 2 – PHOTOGRAPHIC DOCUMENTATION



**PHOTOGRAPH NO. 1 – A general view of the Site during the site assessment on December 2, 2022. The view is towards the northwest.**

*(Approximate GPS Coordinates: 32.723859, -104.438831)*



**PHOTOGRAPH NO. 2 – A view of the erosion feature in the vicinity of sample location TTH-1.**

*(Approximate GPS Coordinates: 32.723869, -104.439152)*





**PHOTOGRAPH NO. 3 – A view of the Site during the excavation process. The view is towards the west.**

*(Approximate GPS Coordinates: 32.723897, -104.438747)*



**PHOTOGRAPH NO. 4 – A view the excavation area upon completion on December 21, 2022. The view is towards the north.**

*(Approximate GPS Coordinates: 32.723734, -104.438977)*





**PHOTOGRAPH NO. 5 – An additional view of the excavated area upon completion on December 21, 2022. The view is towards the west.**

*(Approximate GPS Coordinates: 32.723930, -104.438726)*

## ATTACHMENT 3 – LABORATORY ANALYTICAL REPORTS



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

December 09, 2022

Will Kierdorf

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX:

RE: Eagle Creek

OrderNo.: 2212150

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 6 sample(s) on 12/3/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](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 2212150

Date Reported: 12/9/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: ETH-1/3

Project: Eagle Creek

Collection Date: 12/1/2022 2:36:00 PM

Lab ID: 2212150-001

Matrix: SOIL

Received Date: 12/3/2022 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	1000	60		mg/Kg	20	12/6/2022 5:57:11 PM	71876
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/6/2022 1:02:52 PM	71857
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/6/2022 1:02:52 PM	71857
Surr: DNOP	91.6	21-129		%Rec	1	12/6/2022 1:02:52 PM	71857
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/6/2022 4:40:40 PM	71848
Surr: BFB	94.6	37.7-212		%Rec	1	12/6/2022 4:40:40 PM	71848
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	12/6/2022 4:40:40 PM	71848
Toluene	ND	0.047		mg/Kg	1	12/6/2022 4:40:40 PM	71848
Ethylbenzene	ND	0.047		mg/Kg	1	12/6/2022 4:40:40 PM	71848
Xylenes, Total	ND	0.095		mg/Kg	1	12/6/2022 4:40:40 PM	71848
Surr: 4-Bromofluorobenzene	94.3	70-130		%Rec	1	12/6/2022 4:40:40 PM	71848

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	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Page 1 of 11

## Analytical Report

Lab Order 2212150

Date Reported: 12/9/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: ETH-1/4

Project: Eagle Creek

Collection Date: 12/1/2022 2:38:00 PM

Lab ID: 2212150-002

Matrix: SOIL

Received Date: 12/3/2022 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	970	60		mg/Kg	20	12/6/2022 6:59:16 PM	71876
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/6/2022 1:16:50 PM	71857
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/6/2022 1:16:50 PM	71857
Surr: DNOP	96.2	21-129		%Rec	1	12/6/2022 1:16:50 PM	71857
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/6/2022 5:04:11 PM	71848
Surr: BFB	91.6	37.7-212		%Rec	1	12/6/2022 5:04:11 PM	71848
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	12/6/2022 5:04:11 PM	71848
Toluene	ND	0.047		mg/Kg	1	12/6/2022 5:04:11 PM	71848
Ethylbenzene	ND	0.047		mg/Kg	1	12/6/2022 5:04:11 PM	71848
Xylenes, Total	ND	0.094		mg/Kg	1	12/6/2022 5:04:11 PM	71848
Surr: 4-Bromofluorobenzene	92.6	70-130		%Rec	1	12/6/2022 5:04:11 PM	71848

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	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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## Analytical Report

Lab Order 2212150

Date Reported: 12/9/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: ETH-2/3

Project: Eagle Creek

Collection Date: 12/1/2022 3:03:00 PM

Lab ID: 2212150-003

Matrix: SOIL

Received Date: 12/3/2022 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	2900	150		mg/Kg	50	12/7/2022 1:12:21 PM	71876
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/7/2022 11:53:24 AM	71866
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/7/2022 11:53:24 AM	71866
Surr: DNOP	107	21-129		%Rec	1	12/7/2022 11:53:24 AM	71866
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/6/2022 5:27:41 PM	71848
Surr: BFB	89.1	37.7-212		%Rec	1	12/6/2022 5:27:41 PM	71848
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	12/6/2022 5:27:41 PM	71848
Toluene	ND	0.047		mg/Kg	1	12/6/2022 5:27:41 PM	71848
Ethylbenzene	ND	0.047		mg/Kg	1	12/6/2022 5:27:41 PM	71848
Xylenes, Total	ND	0.095		mg/Kg	1	12/6/2022 5:27:41 PM	71848
Surr: 4-Bromofluorobenzene	89.9	70-130		%Rec	1	12/6/2022 5:27:41 PM	71848

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	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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## Analytical Report

Lab Order 2212150

Date Reported: 12/9/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: ETH-2/4

Project: Eagle Creek

Collection Date: 12/1/2022 3:05:00 PM

Lab ID: 2212150-004

Matrix: SOIL

Received Date: 12/3/2022 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	10000	300		mg/Kg	100	12/7/2022 1:24:42 PM	71876
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/7/2022 1:06:15 PM	71866
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/7/2022 1:06:15 PM	71866
Surr: DNOP	99.5	21-129		%Rec	1	12/7/2022 1:06:15 PM	71866
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/6/2022 5:51:16 PM	71848
Surr: BFB	93.5	37.7-212		%Rec	1	12/6/2022 5:51:16 PM	71848
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	12/6/2022 5:51:16 PM	71848
Toluene	ND	0.049		mg/Kg	1	12/6/2022 5:51:16 PM	71848
Ethylbenzene	ND	0.049		mg/Kg	1	12/6/2022 5:51:16 PM	71848
Xylenes, Total	ND	0.098		mg/Kg	1	12/6/2022 5:51:16 PM	71848
Surr: 4-Bromofluorobenzene	93.9	70-130		%Rec	1	12/6/2022 5:51:16 PM	71848

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	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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## Analytical Report

Lab Order 2212150

Date Reported: 12/9/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: ETH-3/3

Project: Eagle Creek

Collection Date: 12/1/2022 3:40:00 PM

Lab ID: 2212150-005

Matrix: SOIL

Received Date: 12/3/2022 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	4200	150		mg/Kg	50	12/7/2022 1:37:03 PM	71876
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/7/2022 1:30:28 PM	71866
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/7/2022 1:30:28 PM	71866
Surr: DNOP	88.5	21-129		%Rec	1	12/7/2022 1:30:28 PM	71866
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/6/2022 6:14:57 PM	71848
Surr: BFB	91.0	37.7-212		%Rec	1	12/6/2022 6:14:57 PM	71848
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	12/6/2022 6:14:57 PM	71848
Toluene	ND	0.048		mg/Kg	1	12/6/2022 6:14:57 PM	71848
Ethylbenzene	ND	0.048		mg/Kg	1	12/6/2022 6:14:57 PM	71848
Xylenes, Total	ND	0.096		mg/Kg	1	12/6/2022 6:14:57 PM	71848
Surr: 4-Bromofluorobenzene	91.3	70-130		%Rec	1	12/6/2022 6:14:57 PM	71848

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	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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## Analytical Report

Lab Order 2212150

Date Reported: 12/9/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: ETH-3/4

Project: Eagle Creek

Collection Date: 12/1/2022 3:42:00 PM

Lab ID: 2212150-006

Matrix: SOIL

Received Date: 12/3/2022 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	2800	150		mg/Kg	50	12/7/2022 1:49:24 PM	71876
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/7/2022 1:54:42 PM	71866
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/7/2022 1:54:42 PM	71866
Surr: DNOP	97.6	21-129		%Rec	1	12/7/2022 1:54:42 PM	71866
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/6/2022 6:38:34 PM	71848
Surr: BFB	91.1	37.7-212		%Rec	1	12/6/2022 6:38:34 PM	71848
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	12/6/2022 6:38:34 PM	71848
Toluene	ND	0.048		mg/Kg	1	12/6/2022 6:38:34 PM	71848
Ethylbenzene	ND	0.048		mg/Kg	1	12/6/2022 6:38:34 PM	71848
Xylenes, Total	ND	0.096		mg/Kg	1	12/6/2022 6:38:34 PM	71848
Surr: 4-Bromofluorobenzene	91.3	70-130		%Rec	1	12/6/2022 6:38:34 PM	71848

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	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2212150

09-Dec-22

**Client:** EOG  
**Project:** Eagle Creek

Sample ID: <b>MB-71876</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>71876</b>	RunNo: <b>93070</b>								
Prep Date: <b>12/6/2022</b>	Analysis Date: <b>12/6/2022</b>	SeqNo: <b>3351894</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-71876</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>71876</b>	RunNo: <b>93070</b>								
Prep Date: <b>12/6/2022</b>	Analysis Date: <b>12/6/2022</b>	SeqNo: <b>3351895</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	93.7	90	110			

### Qualifiers:

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank  
E Above Quantitation Range/Estimated Value  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

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

WO#: 2212150

09-Dec-22

**Client:** EOG  
**Project:** Eagle Creek

Sample ID: <b>MB-71857</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>71857</b>	RunNo: <b>93056</b>								
Prep Date: <b>12/5/2022</b>	Analysis Date: <b>12/6/2022</b>	SeqNo: <b>3351406</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	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.8		10.00		97.7	21	129			

Sample ID: <b>LCS-71857</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>71857</b>	RunNo: <b>93056</b>								
Prep Date: <b>12/5/2022</b>	Analysis Date: <b>12/6/2022</b>	SeqNo: <b>3351407</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	15	50.00	0	99.6	64.4	127			
Surr: DNOP	5.0		5.000		99.4	21	129			

Sample ID: <b>LCS-71866</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>71866</b>	RunNo: <b>93068</b>								
Prep Date: <b>12/6/2022</b>	Analysis Date: <b>12/7/2022</b>	SeqNo: <b>3353781</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	15	50.00	0	92.1	64.4	127			
Surr: DNOP	4.6		5.000		91.4	21	129			

Sample ID: <b>LCS-71871</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>71871</b>	RunNo: <b>93068</b>								
Prep Date: <b>12/6/2022</b>	Analysis Date: <b>12/7/2022</b>	SeqNo: <b>3353782</b> Units: <b>%Rec</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	3.7		5.000		73.5	21	129			

Sample ID: <b>MB-71866</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>71866</b>	RunNo: <b>93068</b>								
Prep Date: <b>12/6/2022</b>	Analysis Date: <b>12/7/2022</b>	SeqNo: <b>3353784</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	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.8		10.00		88.3	21	129			

**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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank  
E Above Quantitation Range/Estimated Value  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2212150

09-Dec-22

Client: EOG  
Project: Eagle Creek

Sample ID: MB-71871	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 71871	RunNo: 93068								
Prep Date: 12/6/2022	Analysis Date: 12/7/2022	SeqNo: 3353785		Units: %Rec						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.2		10.00		92.4	21	129			

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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

WO#: 2212150

09-Dec-22

**Client:** EOG  
**Project:** Eagle Creek

Sample ID: <b>mb-71848</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>71848</b>	RunNo: <b>93052</b>								
Prep Date: <b>12/5/2022</b>	Analysis Date: <b>12/6/2022</b>	SeqNo: <b>3351277</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	900		1000		90.5	37.7	212			

Sample ID: <b>lcs-71848</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>71848</b>	RunNo: <b>93052</b>								
Prep Date: <b>12/5/2022</b>	Analysis Date: <b>12/6/2022</b>	SeqNo: <b>3351278</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	103	72.3	137			
Surr: BFB	1900		1000		192	37.7	212			

**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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank  
E Above Quantitation Range/Estimated Value  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

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

WO#: 2212150

09-Dec-22

**Client:** EOG  
**Project:** Eagle Creek

Sample ID: <b>mb-71848</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>71848</b>	RunNo: <b>93052</b>								
Prep Date: <b>12/5/2022</b>	Analysis Date: <b>12/6/2022</b>	SeqNo: <b>3351305</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	0.91		1.000		91.3	70	130			

Sample ID: <b>LCS-71848</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>71848</b>	RunNo: <b>93052</b>								
Prep Date: <b>12/5/2022</b>	Analysis Date: <b>12/6/2022</b>	SeqNo: <b>3351306</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.025	1.000	0	88.7	80	120			
Toluene	0.91	0.050	1.000	0	91.5	80	120			
Ethylbenzene	0.91	0.050	1.000	0	90.8	80	120			
Xylenes, Total	2.7	0.10	3.000	0	91.4	80	120			
Surr: 4-Bromofluorobenzene	0.94		1.000		93.7	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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank  
E Above Quantitation Range/Estimated Value  
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: www.hallenvironmental.com

## Sample Log-In Check List

Client Name: EOG

Work Order Number: 2212150

RcptNo: 1

Received By: Tracy Casarrubias 12/3/2022 8:45:00 AM

Completed By: Tracy Casarrubias 12/3/2022 9:09:57 AM

Reviewed By: *jn 12/5/22*

### Chain of Custody

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

### Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  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 12/3/22*

### Special Handling (if applicable)

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

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

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

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

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

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

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

16. Additional remarks:

### 17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.7	Good	Yes			







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

December 15, 2022

Will Kierdorf

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX:

RE: Eagle Creek PL

OrderNo.: 2212218

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 15 sample(s) on 12/6/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](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 horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

## Analytical Report

Lab Order 2212218

Date Reported: 12/15/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: ETH-4/1

Project: Eagle Creek PL

Collection Date: 12/2/2022 9:46:00 AM

Lab ID: 2212218-001

Matrix: SOIL

Received Date: 12/6/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	520	60		mg/Kg	20	12/10/2022 4:11:57 PM	72006
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/9/2022 6:23:33 PM	71938
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/9/2022 6:23:33 PM	71938
Surr: DNOP	119	21-129		%Rec	1	12/9/2022 6:23:33 PM	71938
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/10/2022 10:31:55 PM	71927
Surr: BFB	95.6	37.7-212		%Rec	1	12/10/2022 10:31:55 PM	71927
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	12/10/2022 10:31:55 PM	71927
Toluene	ND	0.048		mg/Kg	1	12/10/2022 10:31:55 PM	71927
Ethylbenzene	ND	0.048		mg/Kg	1	12/10/2022 10:31:55 PM	71927
Xylenes, Total	ND	0.097		mg/Kg	1	12/10/2022 10:31:55 PM	71927
Surr: 4-Bromofluorobenzene	91.0	70-130		%Rec	1	12/10/2022 10:31:55 PM	71927

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	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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## Analytical Report

Lab Order 2212218

Date Reported: 12/15/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: ETH-4/4

Project: Eagle Creek PL

Collection Date: 12/2/2022 9:52:00 AM

Lab ID: 2212218-002

Matrix: SOIL

Received Date: 12/6/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	820	60		mg/Kg	20	12/10/2022 4:24:18 PM	72006
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/9/2022 6:33:59 PM	71938
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/9/2022 6:33:59 PM	71938
Surr: DNOP	132	21-129	S	%Rec	1	12/9/2022 6:33:59 PM	71938
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/10/2022 10:55:13 PM	71927
Surr: BFB	95.1	37.7-212		%Rec	1	12/10/2022 10:55:13 PM	71927
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	12/10/2022 10:55:13 PM	71927
Toluene	ND	0.049		mg/Kg	1	12/10/2022 10:55:13 PM	71927
Ethylbenzene	ND	0.049		mg/Kg	1	12/10/2022 10:55:13 PM	71927
Xylenes, Total	ND	0.098		mg/Kg	1	12/10/2022 10:55:13 PM	71927
Surr: 4-Bromofluorobenzene	94.6	70-130		%Rec	1	12/10/2022 10:55:13 PM	71927

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	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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## Analytical Report

Lab Order 2212218

Date Reported: 12/15/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: ETH-5/1

Project: Eagle Creek PL

Collection Date: 12/2/2022 10:10:00 AM

Lab ID: 2212218-003

Matrix: SOIL

Received Date: 12/6/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	2500	150		mg/Kg	50	12/12/2022 9:35:25 AM	72006
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/9/2022 6:44:24 PM	71938
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/9/2022 6:44:24 PM	71938
Surr: DNOP	118	21-129		%Rec	1	12/9/2022 6:44:24 PM	71938
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/10/2022 11:18:33 PM	71927
Surr: BFB	92.0	37.7-212		%Rec	1	12/10/2022 11:18:33 PM	71927
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	12/10/2022 11:18:33 PM	71927
Toluene	ND	0.050		mg/Kg	1	12/10/2022 11:18:33 PM	71927
Ethylbenzene	ND	0.050		mg/Kg	1	12/10/2022 11:18:33 PM	71927
Xylenes, Total	ND	0.099		mg/Kg	1	12/10/2022 11:18:33 PM	71927
Surr: 4-Bromofluorobenzene	93.2	70-130		%Rec	1	12/10/2022 11:18:33 PM	71927

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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## Analytical Report

Lab Order 2212218

Date Reported: 12/15/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: ETH-5/4

Project: Eagle Creek PL

Collection Date: 12/2/2022 10:16:00 AM

Lab ID: 2212218-004

Matrix: SOIL

Received Date: 12/6/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	810	60		mg/Kg	20	12/10/2022 4:48:59 PM	72006
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/9/2022 6:54:51 PM	71938
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/9/2022 6:54:51 PM	71938
Surr: DNOP	114	21-129		%Rec	1	12/9/2022 6:54:51 PM	71938
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/10/2022 11:41:52 PM	71927
Surr: BFB	89.9	37.7-212		%Rec	1	12/10/2022 11:41:52 PM	71927
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	12/10/2022 11:41:52 PM	71927
Toluene	ND	0.049		mg/Kg	1	12/10/2022 11:41:52 PM	71927
Ethylbenzene	ND	0.049		mg/Kg	1	12/10/2022 11:41:52 PM	71927
Xylenes, Total	ND	0.097		mg/Kg	1	12/10/2022 11:41:52 PM	71927
Surr: 4-Bromofluorobenzene	91.6	70-130		%Rec	1	12/10/2022 11:41:52 PM	71927

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	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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## Analytical Report

Lab Order 2212218

Date Reported: 12/15/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: ETH-5E/1

Project: Eagle Creek PL

Collection Date: 12/2/2022 10:42:00 AM

Lab ID: 2212218-005

Matrix: SOIL

Received Date: 12/6/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	210	59		mg/Kg	20	12/12/2022 10:42:44 AM	72014
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/9/2022 7:05:16 PM	71938
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/9/2022 7:05:16 PM	71938
Surr: DNOP	118	21-129		%Rec	1	12/9/2022 7:05:16 PM	71938
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/11/2022 12:05:09 AM	71927
Surr: BFB	92.2	37.7-212		%Rec	1	12/11/2022 12:05:09 AM	71927
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	12/11/2022 12:05:09 AM	71927
Toluene	ND	0.049		mg/Kg	1	12/11/2022 12:05:09 AM	71927
Ethylbenzene	ND	0.049		mg/Kg	1	12/11/2022 12:05:09 AM	71927
Xylenes, Total	ND	0.099		mg/Kg	1	12/11/2022 12:05:09 AM	71927
Surr: 4-Bromofluorobenzene	93.6	70-130		%Rec	1	12/11/2022 12:05:09 AM	71927

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		



## Analytical Report

Lab Order 2212218

Date Reported: 12/15/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: ETH-5E/4

Project: Eagle Creek PL

Collection Date: 12/2/2022 10:48:00 AM

Lab ID: 2212218-006

Matrix: SOIL

Received Date: 12/6/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	220	60		mg/Kg	20	12/12/2022 11:19:58 AM	72014
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	12/9/2022 7:15:41 PM	71938
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	12/9/2022 7:15:41 PM	71938
Surr: DNOP	104	21-129		%Rec	1	12/9/2022 7:15:41 PM	71938
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/11/2022 12:51:36 AM	71927
Surr: BFB	91.2	37.7-212		%Rec	1	12/11/2022 12:51:36 AM	71927
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	12/11/2022 12:51:36 AM	71927
Toluene	ND	0.049		mg/Kg	1	12/11/2022 12:51:36 AM	71927
Ethylbenzene	ND	0.049		mg/Kg	1	12/11/2022 12:51:36 AM	71927
Xylenes, Total	ND	0.098		mg/Kg	1	12/11/2022 12:51:36 AM	71927
Surr: 4-Bromofluorobenzene	93.5	70-130		%Rec	1	12/11/2022 12:51:36 AM	71927

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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## Analytical Report

Lab Order 2212218

Date Reported: 12/15/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: ETH-6/1

Project: Eagle Creek PL

Collection Date: 12/2/2022 11:10:00 AM

Lab ID: 2212218-007

Matrix: SOIL

Received Date: 12/6/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	ND	60		mg/Kg	20	12/12/2022 11:32:22 AM	72014
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/9/2022 7:26:08 PM	71938
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/9/2022 7:26:08 PM	71938
Surr: DNOP	132	21-129	S	%Rec	1	12/9/2022 7:26:08 PM	71938
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/11/2022 1:14:49 AM	71927
Surr: BFB	92.0	37.7-212		%Rec	1	12/11/2022 1:14:49 AM	71927
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	12/11/2022 1:14:49 AM	71927
Toluene	ND	0.049		mg/Kg	1	12/11/2022 1:14:49 AM	71927
Ethylbenzene	ND	0.049		mg/Kg	1	12/11/2022 1:14:49 AM	71927
Xylenes, Total	ND	0.099		mg/Kg	1	12/11/2022 1:14:49 AM	71927
Surr: 4-Bromofluorobenzene	93.8	70-130		%Rec	1	12/11/2022 1:14:49 AM	71927

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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**Hall Environmental Analysis Laboratory, Inc.****Analytical Report**Lab Order **2212218**Date Reported: **12/15/2022****CLIENT:** EOG**Client Sample ID:** ETH-6/4**Project:** Eagle Creek PL**Collection Date:** 12/2/2022 11:16:00 AM**Lab ID:** 2212218-008**Matrix:** SOIL**Received Date:** 12/6/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JTT</b>
Chloride	190	60		mg/Kg	20	12/12/2022 12:34:24 PM	72014
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/9/2022 7:36:34 PM	71938
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/9/2022 7:36:34 PM	71938
Surr: DNOP	136	21-129	S	%Rec	1	12/9/2022 7:36:34 PM	71938
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/11/2022 1:38:00 AM	71927
Surr: BFB	88.9	37.7-212		%Rec	1	12/11/2022 1:38:00 AM	71927
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	12/11/2022 1:38:00 AM	71927
Toluene	ND	0.049		mg/Kg	1	12/11/2022 1:38:00 AM	71927
Ethylbenzene	ND	0.049		mg/Kg	1	12/11/2022 1:38:00 AM	71927
Xylenes, Total	ND	0.098		mg/Kg	1	12/11/2022 1:38:00 AM	71927
Surr: 4-Bromofluorobenzene	91.4	70-130		%Rec	1	12/11/2022 1:38:00 AM	71927

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	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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## Analytical Report

Lab Order 2212218

Date Reported: 12/15/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: ETH-7/1

Project: Eagle Creek PL

Collection Date: 12/2/2022 11:48:00 AM

Lab ID: 2212218-009

Matrix: SOIL

Received Date: 12/6/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	ND	60		mg/Kg	20	12/12/2022 12:46:48 PM	72014
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/9/2022 7:47:02 PM	71938
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/9/2022 7:47:02 PM	71938
Surr: DNOP	119	21-129		%Rec	1	12/9/2022 7:47:02 PM	71938
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/11/2022 2:01:12 AM	71927
Surr: BFB	92.4	37.7-212		%Rec	1	12/11/2022 2:01:12 AM	71927
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	12/11/2022 2:01:12 AM	71927
Toluene	ND	0.048		mg/Kg	1	12/11/2022 2:01:12 AM	71927
Ethylbenzene	ND	0.048		mg/Kg	1	12/11/2022 2:01:12 AM	71927
Xylenes, Total	ND	0.097		mg/Kg	1	12/11/2022 2:01:12 AM	71927
Surr: 4-Bromofluorobenzene	95.3	70-130		%Rec	1	12/11/2022 2:01:12 AM	71927

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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**Hall Environmental Analysis Laboratory, Inc.****Analytical Report**Lab Order **2212218**Date Reported: **12/15/2022****CLIENT:** EOG**Client Sample ID:** ETH-7/4**Project:** Eagle Creek PL**Collection Date:** 12/2/2022 11:54:00 AM**Lab ID:** 2212218-010**Matrix:** SOIL**Received Date:** 12/6/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JTT</b>
Chloride	180	60		mg/Kg	20	12/12/2022 12:59:12 PM	72014
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/9/2022 3:44:13 PM	71951
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/9/2022 3:44:13 PM	71951
Surr: DNOP	121	21-129		%Rec	1	12/9/2022 3:44:13 PM	71951
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/9/2022 4:04:00 PM	71933
Surr: BFB	97.6	37.7-212		%Rec	1	12/9/2022 4:04:00 PM	71933
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.024		mg/Kg	1	12/9/2022 4:04:00 PM	71933
Toluene	ND	0.049		mg/Kg	1	12/9/2022 4:04:00 PM	71933
Ethylbenzene	ND	0.049		mg/Kg	1	12/9/2022 4:04:00 PM	71933
Xylenes, Total	ND	0.097		mg/Kg	1	12/9/2022 4:04:00 PM	71933
Surr: 4-Bromofluorobenzene	97.8	70-130		%Rec	1	12/9/2022 4:04:00 PM	71933

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	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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## Analytical Report

Lab Order 2212218

Date Reported: 12/15/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: ETH-4S/1

Project: Eagle Creek PL

Collection Date: 12/2/2022 1:32:00 PM

Lab ID: 2212218-011

Matrix: SOIL

Received Date: 12/6/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	ND	60		mg/Kg	20	12/12/2022 1:11:37 PM	72014
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/9/2022 4:25:19 PM	71951
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/9/2022 4:25:19 PM	71951
Surr: DNOP	115	21-129		%Rec	1	12/9/2022 4:25:19 PM	71951
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/9/2022 5:04:00 PM	71933
Surr: BFB	98.4	37.7-212		%Rec	1	12/9/2022 5:04:00 PM	71933
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	12/9/2022 5:04:00 PM	71933
Toluene	ND	0.049		mg/Kg	1	12/9/2022 5:04:00 PM	71933
Ethylbenzene	ND	0.049		mg/Kg	1	12/9/2022 5:04:00 PM	71933
Xylenes, Total	ND	0.098		mg/Kg	1	12/9/2022 5:04:00 PM	71933
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	12/9/2022 5:04:00 PM	71933

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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## Analytical Report

Lab Order 2212218

Date Reported: 12/15/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: ETH-4S/4

Project: Eagle Creek PL

Collection Date: 12/2/2022 1:38:00 PM

Lab ID: 2212218-012

Matrix: SOIL

Received Date: 12/6/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	ND	60		mg/Kg	20	12/12/2022 1:24:01 PM	72014
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/9/2022 4:38:52 PM	71951
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/9/2022 4:38:52 PM	71951
Surr: DNOP	86.3	21-129		%Rec	1	12/9/2022 4:38:52 PM	71951
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/9/2022 6:02:00 PM	71933
Surr: BFB	89.6	37.7-212		%Rec	1	12/9/2022 6:02:00 PM	71933
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	12/9/2022 6:02:00 PM	71933
Toluene	ND	0.049		mg/Kg	1	12/9/2022 6:02:00 PM	71933
Ethylbenzene	ND	0.049		mg/Kg	1	12/9/2022 6:02:00 PM	71933
Xylenes, Total	ND	0.098		mg/Kg	1	12/9/2022 6:02:00 PM	71933
Surr: 4-Bromofluorobenzene	93.4	70-130		%Rec	1	12/9/2022 6:02:00 PM	71933

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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## Analytical Report

Lab Order 2212218

Date Reported: 12/15/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: ETH-8/1

Project: Eagle Creek PL

Collection Date: 12/2/2022 1:48:00 PM

Lab ID: 2212218-013

Matrix: SOIL

Received Date: 12/6/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	ND	60		mg/Kg	20	12/12/2022 1:36:25 PM	72014
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/9/2022 4:52:34 PM	71951
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/9/2022 4:52:34 PM	71951
Surr: DNOP	129	21-129		%Rec	1	12/9/2022 4:52:34 PM	71951
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/9/2022 6:22:00 PM	71933
Surr: BFB	92.2	37.7-212		%Rec	1	12/9/2022 6:22:00 PM	71933
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	12/9/2022 6:22:00 PM	71933
Toluene	ND	0.049		mg/Kg	1	12/9/2022 6:22:00 PM	71933
Ethylbenzene	ND	0.049		mg/Kg	1	12/9/2022 6:22:00 PM	71933
Xylenes, Total	ND	0.097		mg/Kg	1	12/9/2022 6:22:00 PM	71933
Surr: 4-Bromofluorobenzene	97.1	70-130		%Rec	1	12/9/2022 6:22:00 PM	71933

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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**Hall Environmental Analysis Laboratory, Inc.****Analytical Report**Lab Order **2212218**Date Reported: **12/15/2022****CLIENT:** EOG**Client Sample ID:** ETH-8/4**Project:** Eagle Creek PL**Collection Date:** 12/2/2022 1:54:00 PM**Lab ID:** 2212218-014**Matrix:** SOIL**Received Date:** 12/6/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JTT</b>
Chloride	ND	60		mg/Kg	20	12/12/2022 1:48:49 PM	72014
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/9/2022 5:06:06 PM	71951
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	12/9/2022 5:06:06 PM	71951
Surr: DNOP	131	21-129	S	%Rec	1	12/9/2022 5:06:06 PM	71951
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/9/2022 6:42:00 PM	71933
Surr: BFB	96.8	37.7-212		%Rec	1	12/9/2022 6:42:00 PM	71933
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	12/9/2022 6:42:00 PM	71933
Toluene	ND	0.050		mg/Kg	1	12/9/2022 6:42:00 PM	71933
Ethylbenzene	ND	0.050		mg/Kg	1	12/9/2022 6:42:00 PM	71933
Xylenes, Total	ND	0.10		mg/Kg	1	12/9/2022 6:42:00 PM	71933
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	12/9/2022 6:42:00 PM	71933

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	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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## Analytical Report

Lab Order 2212218

Date Reported: 12/15/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TTH-1

Project: Eagle Creek PL

Collection Date: 12/2/2022 2:00:00 PM

Lab ID: 2212218-015

Matrix: SOIL

Received Date: 12/6/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	ND	60		mg/Kg	20	12/12/2022 2:01:13 PM	72014
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/9/2022 5:19:42 PM	71951
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/9/2022 5:19:42 PM	71951
Surr: DNOP	104	21-129		%Rec	1	12/9/2022 5:19:42 PM	71951
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/9/2022 7:01:00 PM	71933
Surr: BFB	96.7	37.7-212		%Rec	1	12/9/2022 7:01:00 PM	71933
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	12/9/2022 7:01:00 PM	71933
Toluene	ND	0.050		mg/Kg	1	12/9/2022 7:01:00 PM	71933
Ethylbenzene	ND	0.050		mg/Kg	1	12/9/2022 7:01:00 PM	71933
Xylenes, Total	ND	0.10		mg/Kg	1	12/9/2022 7:01:00 PM	71933
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	12/9/2022 7:01:00 PM	71933

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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

WO#: 2212218

15-Dec-22

**Client:** EOG  
**Project:** Eagle Creek PL

Sample ID: <b>MB-72006</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>72006</b>	RunNo: <b>93192</b>								
Prep Date: <b>12/9/2022</b>	Analysis Date: <b>12/10/2022</b>	SeqNo: <b>3358070</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-72006</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>72006</b>	RunNo: <b>93192</b>								
Prep Date: <b>12/9/2022</b>	Analysis Date: <b>12/10/2022</b>	SeqNo: <b>3358071</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	95.8	90	110			

Sample ID: <b>MB-72014</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>72014</b>	RunNo: <b>93223</b>								
Prep Date: <b>12/12/2022</b>	Analysis Date: <b>12/12/2022</b>	SeqNo: <b>3359784</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-72014</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>72014</b>	RunNo: <b>93223</b>								
Prep Date: <b>12/12/2022</b>	Analysis Date: <b>12/12/2022</b>	SeqNo: <b>3359786</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	97.7	90	110			

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank  
E Above Quantitation Range/Estimated Value  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

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

WO#: 2212218

15-Dec-22

**Client:** EOG**Project:** Eagle Creek PL

Sample ID: <b>LCS-71938</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>71938</b>			RunNo: <b>93160</b>						
Prep Date: <b>12/8/2022</b>	Analysis Date: <b>12/9/2022</b>			SeqNo: <b>3358506</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	15	50.00	0	98.0	64.4	127			
Surr: DNOP	6.3		5.000		126	21	129			

Sample ID: <b>MB-71938</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>PBS</b>	Batch ID: <b>71938</b>			RunNo: <b>93160</b>						
Prep Date: <b>12/8/2022</b>	Analysis Date: <b>12/9/2022</b>			SeqNo: <b>3358507</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	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	12		10.00		124	21	129			

Sample ID: <b>MB-71951</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>PBS</b>	Batch ID: <b>71951</b>			RunNo: <b>93161</b>						
Prep Date: <b>12/8/2022</b>	Analysis Date: <b>12/9/2022</b>			SeqNo: <b>3358851</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	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		110	21	129			

Sample ID: <b>LCS-71951</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>71951</b>			RunNo: <b>93161</b>						
Prep Date: <b>12/8/2022</b>	Analysis Date: <b>12/9/2022</b>			SeqNo: <b>3358853</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	15	50.00	0	113	64.4	127			
Surr: DNOP	5.5		5.000		109	21	129			

Sample ID: <b>MB-71989</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>PBS</b>	Batch ID: <b>71989</b>			RunNo: <b>93210</b>						
Prep Date: <b>12/9/2022</b>	Analysis Date: <b>12/12/2022</b>			SeqNo: <b>3361735</b>	Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	11		10.00		108	21	129			

**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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank  
E Above Quantitation Range/Estimated Value  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

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# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2212218

15-Dec-22

**Client:** EOG  
**Project:** Eagle Creek PL

Sample ID: <b>LCS-71989</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>71989</b>		RunNo: <b>93210</b>							
Prep Date: <b>12/9/2022</b>	Analysis Date: <b>12/12/2022</b>		SeqNo: <b>3361736</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.0		5.000		101	21	129			

### Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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

WO#: 2212218

15-Dec-22

**Client:** EOG**Project:** Eagle Creek PL

Sample ID: <b>mb-71927</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>71927</b>		RunNo: <b>93146</b>							
Prep Date: <b>12/7/2022</b>	Analysis Date: <b>12/10/2022</b>		SeqNo: <b>3357274</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	910		1000		91.4	37.7	212			

Sample ID: <b>lcs-71927</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>71927</b>		RunNo: <b>93146</b>							
Prep Date: <b>12/7/2022</b>	Analysis Date: <b>12/10/2022</b>		SeqNo: <b>3357275</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	93.8	72.3	137			
Surr: BFB	1900		1000		190	37.7	212			

Sample ID: <b>lcs-71933</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>71933</b>		RunNo: <b>93186</b>							
Prep Date: <b>12/8/2022</b>	Analysis Date: <b>12/9/2022</b>		SeqNo: <b>3358931</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	98.7	72.3	137			
Surr: BFB	2200		1000		215	37.7	212			S

Sample ID: <b>mb-71933</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>71933</b>		RunNo: <b>93186</b>							
Prep Date: <b>12/8/2022</b>	Analysis Date: <b>12/9/2022</b>		SeqNo: <b>3358932</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	920		1000		92.2	37.7	212			

**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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank  
E Above Quantitation Range/Estimated Value  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

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

WO#: 2212218

15-Dec-22

**Client:** EOG**Project:** Eagle Creek PL

Sample ID: <b>mb-71927</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>71927</b>	RunNo: <b>93146</b>								
Prep Date: <b>12/7/2022</b>	Analysis Date: <b>12/10/2022</b>	SeqNo: <b>3357356</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	0.93		1.000		92.7	70	130			

Sample ID: <b>LCS-71927</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>71927</b>	RunNo: <b>93146</b>								
Prep Date: <b>12/7/2022</b>	Analysis Date: <b>12/10/2022</b>	SeqNo: <b>3357357</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	92.2	80	120			
Toluene	0.93	0.050	1.000	0	93.5	80	120			
Ethylbenzene	0.92	0.050	1.000	0	92.0	80	120			
Xylenes, Total	2.8	0.10	3.000	0	92.1	80	120			
Surr: 4-Bromofluorobenzene	0.93		1.000		93.4	70	130			

Sample ID: <b>lcs-71933</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>71933</b>	RunNo: <b>93186</b>								
Prep Date: <b>12/8/2022</b>	Analysis Date: <b>12/9/2022</b>	SeqNo: <b>3357790</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	1.0	0.050	1.000	0	100	80	120			
Ethylbenzene	0.99	0.050	1.000	0	99.3	80	120			
Xylenes, Total	3.0	0.10	3.000	0	99.4	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		100	70	130			

Sample ID: <b>mb-71933</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>71933</b>	RunNo: <b>93186</b>								
Prep Date: <b>12/8/2022</b>	Analysis Date: <b>12/9/2022</b>	SeqNo: <b>3357791</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	0.96		1.000		96.5	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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank  
E Above Quantitation Range/Estimated Value  
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: www.hallenvironmental.com

## Sample Log-In Check List

Client Name: EOG

Work Order Number: 2212218

RcptNo: 1

Received By: Juan Rojas 12/6/2022 7:30:00 AM

Completed By: Sean Livingston 12/6/2022 8:43:08 AM

Reviewed By: KRC 12-06-22

*[Signature]*

*[Signature]*

### 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: *[Signature]* 12-6-22

### Special Handling (if applicable)

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

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

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

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

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

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

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

16. Additional remarks:

### 17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.3	Good				
2	0.1	Good				









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

December 30, 2022

Will Kierdorf

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX:

RE: Eagle Creek PL

OrderNo.: 2212D34

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 30 sample(s) on 12/23/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](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 2212D34

Date Reported: 12/30/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW-1

Project: Eagle Creek PL

Collection Date: 12/21/2022 10:00:00 AM

Lab ID: 2212D34-001

Matrix: SOIL

Received Date: 12/23/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	69	60		mg/Kg	20	12/27/2022 8:03:49 PM	72332
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/28/2022 9:17:15 AM	72328
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/28/2022 9:17:15 AM	72328
Surr: DNOP	117	21-129		%Rec	1	12/28/2022 9:17:15 AM	72328
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/27/2022 12:10:00 PM	72302
Surr: BFB	101	37.7-212		%Rec	1	12/27/2022 12:10:00 PM	72302
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	12/27/2022 12:10:00 PM	72302
Toluene	ND	0.050		mg/Kg	1	12/27/2022 12:10:00 PM	72302
Ethylbenzene	ND	0.050		mg/Kg	1	12/27/2022 12:10:00 PM	72302
Xylenes, Total	ND	0.10		mg/Kg	1	12/27/2022 12:10:00 PM	72302
Surr: 4-Bromofluorobenzene	111	70-130		%Rec	1	12/27/2022 12:10:00 PM	72302

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	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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## Analytical Report

Lab Order 2212D34

Date Reported: 12/30/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW-2

Project: Eagle Creek PL

Collection Date: 12/21/2022 10:10:00 AM

Lab ID: 2212D34-002

Matrix: SOIL

Received Date: 12/23/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	ND	60		mg/Kg	20	12/27/2022 8:16:13 PM	72332
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/28/2022 9:48:41 AM	72328
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/28/2022 9:48:41 AM	72328
Surr: DNOP	97.7	21-129		%Rec	1	12/28/2022 9:48:41 AM	72328
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/27/2022 1:09:00 PM	72302
Surr: BFB	104	37.7-212		%Rec	1	12/27/2022 1:09:00 PM	72302
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	12/27/2022 1:09:00 PM	72302
Toluene	ND	0.050		mg/Kg	1	12/27/2022 1:09:00 PM	72302
Ethylbenzene	ND	0.050		mg/Kg	1	12/27/2022 1:09:00 PM	72302
Xylenes, Total	ND	0.10		mg/Kg	1	12/27/2022 1:09:00 PM	72302
Surr: 4-Bromofluorobenzene	115	70-130		%Rec	1	12/27/2022 1:09:00 PM	72302

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	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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## Analytical Report

Lab Order 2212D34

Date Reported: 12/30/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW-3

Project: Eagle Creek PL

Collection Date: 12/21/2022 10:12:00 AM

Lab ID: 2212D34-003

Matrix: SOIL

Received Date: 12/23/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	190	60		mg/Kg	20	12/27/2022 8:53:27 PM	72332
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	12/28/2022 9:59:13 AM	72328
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	12/28/2022 9:59:13 AM	72328
Surr: DNOP	100	21-129		%Rec	1	12/28/2022 9:59:13 AM	72328
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/27/2022 2:08:00 PM	72302
Surr: BFB	104	37.7-212		%Rec	1	12/27/2022 2:08:00 PM	72302
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	12/27/2022 2:08:00 PM	72302
Toluene	ND	0.050		mg/Kg	1	12/27/2022 2:08:00 PM	72302
Ethylbenzene	ND	0.050		mg/Kg	1	12/27/2022 2:08:00 PM	72302
Xylenes, Total	ND	0.10		mg/Kg	1	12/27/2022 2:08:00 PM	72302
Surr: 4-Bromofluorobenzene	114	70-130		%Rec	1	12/27/2022 2:08:00 PM	72302

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	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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## Analytical Report

Lab Order 2212D34

Date Reported: 12/30/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW-4

Project: Eagle Creek PL

Collection Date: 12/21/2022 10:14:00 AM

Lab ID: 2212D34-004

Matrix: SOIL

Received Date: 12/23/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	400	60		mg/Kg	20	12/27/2022 9:05:52 PM	72332
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	12/28/2022 10:09:43 AM	72328
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	12/28/2022 10:09:43 AM	72328
Surr: DNOP	93.1	21-129		%Rec	1	12/28/2022 10:09:43 AM	72328
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/27/2022 2:28:00 PM	72302
Surr: BFB	106	37.7-212		%Rec	1	12/27/2022 2:28:00 PM	72302
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	12/27/2022 2:28:00 PM	72302
Toluene	ND	0.050		mg/Kg	1	12/27/2022 2:28:00 PM	72302
Ethylbenzene	ND	0.050		mg/Kg	1	12/27/2022 2:28:00 PM	72302
Xylenes, Total	ND	0.10		mg/Kg	1	12/27/2022 2:28:00 PM	72302
Surr: 4-Bromofluorobenzene	113	70-130		%Rec	1	12/27/2022 2:28:00 PM	72302

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	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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## Analytical Report

Lab Order 2212D34

Date Reported: 12/30/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW-5

Project: Eagle Creek PL

Collection Date: 12/21/2022 10:16:00 AM

Lab ID: 2212D34-005

Matrix: SOIL

Received Date: 12/23/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	220	60		mg/Kg	20	12/27/2022 9:07:29 PM	72335
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/28/2022 10:20:17 AM	72328
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/28/2022 10:20:17 AM	72328
Surr: DNOP	108	21-129		%Rec	1	12/28/2022 10:20:17 AM	72328
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/27/2022 2:48:00 PM	72302
Surr: BFB	107	37.7-212		%Rec	1	12/27/2022 2:48:00 PM	72302
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	12/27/2022 2:48:00 PM	72302
Toluene	ND	0.050		mg/Kg	1	12/27/2022 2:48:00 PM	72302
Ethylbenzene	ND	0.050		mg/Kg	1	12/27/2022 2:48:00 PM	72302
Xylenes, Total	ND	0.10		mg/Kg	1	12/27/2022 2:48:00 PM	72302
Surr: 4-Bromofluorobenzene	113	70-130		%Rec	1	12/27/2022 2:48:00 PM	72302

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	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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## Analytical Report

Lab Order 2212D34

Date Reported: 12/30/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW-6

Project: Eagle Creek PL

Collection Date: 12/21/2022 10:18:00 AM

Lab ID: 2212D34-006

Matrix: SOIL

Received Date: 12/23/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	150	60		mg/Kg	20	12/27/2022 9:19:54 PM	72335
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/28/2022 10:30:50 AM	72328
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/28/2022 10:30:50 AM	72328
Surr: DNOP	88.6	21-129		%Rec	1	12/28/2022 10:30:50 AM	72328
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/27/2022 3:07:00 PM	72302
Surr: BFB	101	37.7-212		%Rec	1	12/27/2022 3:07:00 PM	72302
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	12/27/2022 3:07:00 PM	72302
Toluene	ND	0.050		mg/Kg	1	12/27/2022 3:07:00 PM	72302
Ethylbenzene	ND	0.050		mg/Kg	1	12/27/2022 3:07:00 PM	72302
Xylenes, Total	ND	0.099		mg/Kg	1	12/27/2022 3:07:00 PM	72302
Surr: 4-Bromofluorobenzene	113	70-130		%Rec	1	12/27/2022 3:07:00 PM	72302

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	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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## Analytical Report

Lab Order 2212D34

Date Reported: 12/30/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EB-1

Project: Eagle Creek PL

Collection Date: 12/21/2022 12:00:00 PM

Lab ID: 2212D34-007

Matrix: SOIL

Received Date: 12/23/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	140	60		mg/Kg	20	12/27/2022 9:32:18 PM	72335
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/28/2022 10:41:25 AM	72328
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/28/2022 10:41:25 AM	72328
Surr: DNOP	78.5	21-129		%Rec	1	12/28/2022 10:41:25 AM	72328
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/27/2022 3:27:00 PM	72302
Surr: BFB	113	37.7-212		%Rec	1	12/27/2022 3:27:00 PM	72302
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.024		mg/Kg	1	12/27/2022 3:27:00 PM	72302
Toluene	ND	0.049		mg/Kg	1	12/27/2022 3:27:00 PM	72302
Ethylbenzene	ND	0.049		mg/Kg	1	12/27/2022 3:27:00 PM	72302
Xylenes, Total	ND	0.097		mg/Kg	1	12/27/2022 3:27:00 PM	72302
Surr: 4-Bromofluorobenzene	117	70-130		%Rec	1	12/27/2022 3:27:00 PM	72302

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	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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## Analytical Report

Lab Order 2212D34

Date Reported: 12/30/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EB-2

Project: Eagle Creek PL

Collection Date: 12/21/2022 12:02:00 PM

Lab ID: 2212D34-008

Matrix: SOIL

Received Date: 12/23/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	620	61		mg/Kg	20	12/27/2022 10:09:32 PM	72335
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/28/2022 11:02:33 AM	72328
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/28/2022 11:02:33 AM	72328
Surr: DNOP	108	21-129		%Rec	1	12/28/2022 11:02:33 AM	72328
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/27/2022 3:47:00 PM	72302
Surr: BFB	105	37.7-212		%Rec	1	12/27/2022 3:47:00 PM	72302
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	12/27/2022 3:47:00 PM	72302
Toluene	ND	0.050		mg/Kg	1	12/27/2022 3:47:00 PM	72302
Ethylbenzene	ND	0.050		mg/Kg	1	12/27/2022 3:47:00 PM	72302
Xylenes, Total	ND	0.10		mg/Kg	1	12/27/2022 3:47:00 PM	72302
Surr: 4-Bromofluorobenzene	118	70-130		%Rec	1	12/27/2022 3:47:00 PM	72302

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	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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## Analytical Report

Lab Order 2212D34

Date Reported: 12/30/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EB-3

Project: Eagle Creek PL

Collection Date: 12/21/2022 12:04:00 PM

Lab ID: 2212D34-009

Matrix: SOIL

Received Date: 12/23/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	330	60		mg/Kg	20	12/27/2022 10:21:56 PM	72335
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/28/2022 11:13:07 AM	72328
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/28/2022 11:13:07 AM	72328
Surr: DNOP	102	21-129		%Rec	1	12/28/2022 11:13:07 AM	72328
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/27/2022 4:06:00 PM	72302
Surr: BFB	107	37.7-212		%Rec	1	12/27/2022 4:06:00 PM	72302
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	12/27/2022 4:06:00 PM	72302
Toluene	ND	0.050		mg/Kg	1	12/27/2022 4:06:00 PM	72302
Ethylbenzene	ND	0.050		mg/Kg	1	12/27/2022 4:06:00 PM	72302
Xylenes, Total	ND	0.10		mg/Kg	1	12/27/2022 4:06:00 PM	72302
Surr: 4-Bromofluorobenzene	116	70-130		%Rec	1	12/27/2022 4:06:00 PM	72302

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	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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## Analytical Report

Lab Order 2212D34

Date Reported: 12/30/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EB-4

Project: Eagle Creek PL

Collection Date: 12/21/2022 12:06:00 PM

Lab ID: 2212D34-010

Matrix: SOIL

Received Date: 12/23/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	110	60		mg/Kg	20	12/27/2022 10:34:21 PM	72335
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/28/2022 11:56:52 AM	72328
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/28/2022 11:56:52 AM	72328
Surr: DNOP	102	21-129		%Rec	1	12/28/2022 11:56:52 AM	72328
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/27/2022 4:26:00 PM	72302
Surr: BFB	105	37.7-212		%Rec	1	12/27/2022 4:26:00 PM	72302
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	12/27/2022 4:26:00 PM	72302
Toluene	ND	0.050		mg/Kg	1	12/27/2022 4:26:00 PM	72302
Ethylbenzene	ND	0.050		mg/Kg	1	12/27/2022 4:26:00 PM	72302
Xylenes, Total	ND	0.10		mg/Kg	1	12/27/2022 4:26:00 PM	72302
Surr: 4-Bromofluorobenzene	115	70-130		%Rec	1	12/27/2022 4:26:00 PM	72302

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	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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## Analytical Report

Lab Order 2212D34

Date Reported: 12/30/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EB-5

Project: Eagle Creek PL

Collection Date: 12/21/2022 12:08:00 PM

Lab ID: 2212D34-011

Matrix: SOIL

Received Date: 12/23/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	1100	61		mg/Kg	20	12/27/2022 10:46:45 PM	72335
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/28/2022 12:07:29 PM	72328
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/28/2022 12:07:29 PM	72328
Surr: DNOP	109	21-129		%Rec	1	12/28/2022 12:07:29 PM	72328
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/27/2022 5:06:00 PM	72302
Surr: BFB	101	37.7-212		%Rec	1	12/27/2022 5:06:00 PM	72302
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	12/27/2022 5:06:00 PM	72302
Toluene	ND	0.050		mg/Kg	1	12/27/2022 5:06:00 PM	72302
Ethylbenzene	ND	0.050		mg/Kg	1	12/27/2022 5:06:00 PM	72302
Xylenes, Total	ND	0.10		mg/Kg	1	12/27/2022 5:06:00 PM	72302
Surr: 4-Bromofluorobenzene	112	70-130		%Rec	1	12/27/2022 5:06:00 PM	72302

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	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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## Analytical Report

Lab Order 2212D34

Date Reported: 12/30/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EB-6

Project: Eagle Creek PL

Collection Date: 12/21/2022 12:10:00 PM

Lab ID: 2212D34-012

Matrix: SOIL

Received Date: 12/23/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	330	60		mg/Kg	20	12/27/2022 10:59:09 PM	72335
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/28/2022 12:18:08 PM	72328
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/28/2022 12:18:08 PM	72328
Surr: DNOP	92.7	21-129		%Rec	1	12/28/2022 12:18:08 PM	72328
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/27/2022 5:25:00 PM	72302
Surr: BFB	103	37.7-212		%Rec	1	12/27/2022 5:25:00 PM	72302
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	12/27/2022 5:25:00 PM	72302
Toluene	ND	0.050		mg/Kg	1	12/27/2022 5:25:00 PM	72302
Ethylbenzene	ND	0.050		mg/Kg	1	12/27/2022 5:25:00 PM	72302
Xylenes, Total	ND	0.10		mg/Kg	1	12/27/2022 5:25:00 PM	72302
Surr: 4-Bromofluorobenzene	117	70-130		%Rec	1	12/27/2022 5:25:00 PM	72302

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	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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## Analytical Report

Lab Order 2212D34

Date Reported: 12/30/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EB-7

Project: Eagle Creek PL

Collection Date: 12/21/2022 12:12:00 PM

Lab ID: 2212D34-013

Matrix: SOIL

Received Date: 12/23/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	310	60		mg/Kg	20	12/27/2022 11:36:21 PM	72335
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/28/2022 12:50:07 PM	72328
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	12/28/2022 12:50:07 PM	72328
Surr: DNOP	127	21-129		%Rec	1	12/28/2022 12:50:07 PM	72328
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/27/2022 5:45:00 PM	72302
Surr: BFB	105	37.7-212		%Rec	1	12/27/2022 5:45:00 PM	72302
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	12/27/2022 5:45:00 PM	72302
Toluene	ND	0.050		mg/Kg	1	12/27/2022 5:45:00 PM	72302
Ethylbenzene	ND	0.050		mg/Kg	1	12/27/2022 5:45:00 PM	72302
Xylenes, Total	ND	0.099		mg/Kg	1	12/27/2022 5:45:00 PM	72302
Surr: 4-Bromofluorobenzene	115	70-130		%Rec	1	12/27/2022 5:45:00 PM	72302

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	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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## Analytical Report

Lab Order 2212D34

Date Reported: 12/30/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EB-8

Project: Eagle Creek PL

Collection Date: 12/21/2022 12:14:00 PM

Lab ID: 2212D34-014

Matrix: SOIL

Received Date: 12/23/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	770	60		mg/Kg	20	12/27/2022 11:48:46 PM	72335
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/28/2022 1:00:48 PM	72328
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/28/2022 1:00:48 PM	72328
Surr: DNOP	137	21-129	S	%Rec	1	12/28/2022 1:00:48 PM	72328
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/27/2022 6:04:00 PM	72302
Surr: BFB	101	37.7-212		%Rec	1	12/27/2022 6:04:00 PM	72302
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	12/27/2022 6:04:00 PM	72302
Toluene	ND	0.049		mg/Kg	1	12/27/2022 6:04:00 PM	72302
Ethylbenzene	ND	0.049		mg/Kg	1	12/27/2022 6:04:00 PM	72302
Xylenes, Total	ND	0.099		mg/Kg	1	12/27/2022 6:04:00 PM	72302
Surr: 4-Bromofluorobenzene	114	70-130		%Rec	1	12/27/2022 6:04:00 PM	72302

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	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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## Analytical Report

Lab Order 2212D34

Date Reported: 12/30/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EB-9

Project: Eagle Creek PL

Collection Date: 12/21/2022 12:16:00 PM

Lab ID: 2212D34-015

Matrix: SOIL

Received Date: 12/23/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	100	60		mg/Kg	20	12/28/2022 12:01:10 AM	72335
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/28/2022 1:11:26 PM	72328
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	12/28/2022 1:11:26 PM	72328
Surr: DNOP	116	21-129		%Rec	1	12/28/2022 1:11:26 PM	72328
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/27/2022 6:24:00 PM	72302
Surr: BFB	103	37.7-212		%Rec	1	12/27/2022 6:24:00 PM	72302
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	12/27/2022 6:24:00 PM	72302
Toluene	ND	0.050		mg/Kg	1	12/27/2022 6:24:00 PM	72302
Ethylbenzene	ND	0.050		mg/Kg	1	12/27/2022 6:24:00 PM	72302
Xylenes, Total	ND	0.099		mg/Kg	1	12/27/2022 6:24:00 PM	72302
Surr: 4-Bromofluorobenzene	113	70-130		%Rec	1	12/27/2022 6:24:00 PM	72302

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	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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## Analytical Report

Lab Order 2212D34

Date Reported: 12/30/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EB-10

Project: Eagle Creek PL

Collection Date: 12/21/2022 12:18:00 PM

Lab ID: 2212D34-016

Matrix: SOIL

Received Date: 12/23/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	160	60		mg/Kg	20	12/28/2022 12:13:34 AM	72335
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	12/28/2022 1:22:03 PM	72328
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	12/28/2022 1:22:03 PM	72328
Surr: DNOP	128	21-129		%Rec	1	12/28/2022 1:22:03 PM	72328
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/27/2022 6:44:00 PM	72302
Surr: BFB	104	37.7-212		%Rec	1	12/27/2022 6:44:00 PM	72302
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	12/27/2022 6:44:00 PM	72302
Toluene	ND	0.050		mg/Kg	1	12/27/2022 6:44:00 PM	72302
Ethylbenzene	ND	0.050		mg/Kg	1	12/27/2022 6:44:00 PM	72302
Xylenes, Total	ND	0.10		mg/Kg	1	12/27/2022 6:44:00 PM	72302
Surr: 4-Bromofluorobenzene	116	70-130		%Rec	1	12/27/2022 6:44:00 PM	72302

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	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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## Analytical Report

Lab Order 2212D34

Date Reported: 12/30/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EB-11

Project: Eagle Creek PL

Collection Date: 12/21/2022 12:20:00 PM

Lab ID: 2212D34-017

Matrix: SOIL

Received Date: 12/23/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	320	60		mg/Kg	20	12/28/2022 12:50:48 AM	72335
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	12/28/2022 1:32:44 PM	72328
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	12/28/2022 1:32:44 PM	72328
Surr: DNOP	96.0	21-129		%Rec	1	12/28/2022 1:32:44 PM	72328
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/27/2022 7:04:00 PM	72302
Surr: BFB	105	37.7-212		%Rec	1	12/27/2022 7:04:00 PM	72302
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	12/27/2022 7:04:00 PM	72302
Toluene	ND	0.050		mg/Kg	1	12/27/2022 7:04:00 PM	72302
Ethylbenzene	ND	0.050		mg/Kg	1	12/27/2022 7:04:00 PM	72302
Xylenes, Total	ND	0.099		mg/Kg	1	12/27/2022 7:04:00 PM	72302
Surr: 4-Bromofluorobenzene	118	70-130		%Rec	1	12/27/2022 7:04:00 PM	72302

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	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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## Analytical Report

Lab Order 2212D34

Date Reported: 12/30/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EB-12

Project: Eagle Creek PL

Collection Date: 12/21/2022 12:22:00 PM

Lab ID: 2212D34-018

Matrix: SOIL

Received Date: 12/23/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	140	60		mg/Kg	20	12/28/2022 1:03:12 AM	72335
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/28/2022 1:43:32 PM	72328
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/28/2022 1:43:32 PM	72328
Surr: DNOP	101	21-129		%Rec	1	12/28/2022 1:43:32 PM	72328
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/27/2022 7:23:00 PM	72302
Surr: BFB	105	37.7-212		%Rec	1	12/27/2022 7:23:00 PM	72302
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	12/27/2022 7:23:00 PM	72302
Toluene	ND	0.050		mg/Kg	1	12/27/2022 7:23:00 PM	72302
Ethylbenzene	ND	0.050		mg/Kg	1	12/27/2022 7:23:00 PM	72302
Xylenes, Total	ND	0.099		mg/Kg	1	12/27/2022 7:23:00 PM	72302
Surr: 4-Bromofluorobenzene	116	70-130		%Rec	1	12/27/2022 7:23:00 PM	72302

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	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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## Analytical Report

Lab Order 2212D34

Date Reported: 12/30/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EB-13

Project: Eagle Creek PL

Collection Date: 12/21/2022 12:24:00 PM

Lab ID: 2212D34-019

Matrix: SOIL

Received Date: 12/23/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	120	60		mg/Kg	20	12/28/2022 1:15:36 AM	72335
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/28/2022 1:54:21 PM	72328
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	12/28/2022 1:54:21 PM	72328
Surr: DNOP	105	21-129		%Rec	1	12/28/2022 1:54:21 PM	72328
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/27/2022 7:43:00 PM	72302
Surr: BFB	103	37.7-212		%Rec	1	12/27/2022 7:43:00 PM	72302
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	12/27/2022 7:43:00 PM	72302
Toluene	ND	0.049		mg/Kg	1	12/27/2022 7:43:00 PM	72302
Ethylbenzene	ND	0.049		mg/Kg	1	12/27/2022 7:43:00 PM	72302
Xylenes, Total	ND	0.098		mg/Kg	1	12/27/2022 7:43:00 PM	72302
Surr: 4-Bromofluorobenzene	113	70-130		%Rec	1	12/27/2022 7:43:00 PM	72302

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	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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## Analytical Report

Lab Order 2212D34

Date Reported: 12/30/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EB-14

Project: Eagle Creek PL

Collection Date: 12/21/2022 12:26:00 PM

Lab ID: 2212D34-020

Matrix: SOIL

Received Date: 12/23/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	300	60		mg/Kg	20	12/28/2022 1:28:00 AM	72335
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/28/2022 2:05:11 PM	72328
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/28/2022 2:05:11 PM	72328
Surr: DNOP	106	21-129		%Rec	1	12/28/2022 2:05:11 PM	72328
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/27/2022 8:03:00 PM	72302
Surr: BFB	107	37.7-212		%Rec	1	12/27/2022 8:03:00 PM	72302
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	12/27/2022 8:03:00 PM	72302
Toluene	ND	0.049		mg/Kg	1	12/27/2022 8:03:00 PM	72302
Ethylbenzene	ND	0.049		mg/Kg	1	12/27/2022 8:03:00 PM	72302
Xylenes, Total	ND	0.099		mg/Kg	1	12/27/2022 8:03:00 PM	72302
Surr: 4-Bromofluorobenzene	115	70-130		%Rec	1	12/27/2022 8:03:00 PM	72302

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	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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## Analytical Report

Lab Order 2212D34

Date Reported: 12/30/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EB-15

Project: Eagle Creek PL

Collection Date: 12/21/2022 12:28:00 PM

Lab ID: 2212D34-021

Matrix: SOIL

Received Date: 12/23/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	1200	61		mg/Kg	20	12/28/2022 10:33:08 AM	72329
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/28/2022 11:10:06 AM	72331
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/28/2022 11:10:06 AM	72331
Surr: DNOP	133	21-129	S	%Rec	1	12/28/2022 11:10:06 AM	72331
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/27/2022 10:01:00 PM	72306
Surr: BFB	105	37.7-212		%Rec	1	12/27/2022 10:01:00 PM	72306
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	12/27/2022 10:01:00 PM	72306
Toluene	ND	0.050		mg/Kg	1	12/27/2022 10:01:00 PM	72306
Ethylbenzene	ND	0.050		mg/Kg	1	12/27/2022 10:01:00 PM	72306
Xylenes, Total	ND	0.10		mg/Kg	1	12/27/2022 10:01:00 PM	72306
Surr: 4-Bromofluorobenzene	118	70-130		%Rec	1	12/27/2022 10:01:00 PM	72306

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	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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## Analytical Report

Lab Order 2212D34

Date Reported: 12/30/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EB-16

Project: Eagle Creek PL

Collection Date: 12/21/2022 12:30:00 PM

Lab ID: 2212D34-022

Matrix: SOIL

Received Date: 12/23/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	1100	59		mg/Kg	20	12/28/2022 11:10:09 AM	72329
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/28/2022 11:34:07 AM	72331
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	12/28/2022 11:34:07 AM	72331
Surr: DNOP	131	21-129	S	%Rec	1	12/28/2022 11:34:07 AM	72331
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/27/2022 11:00:00 PM	72306
Surr: BFB	110	37.7-212		%Rec	1	12/27/2022 11:00:00 PM	72306
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	12/27/2022 11:00:00 PM	72306
Toluene	ND	0.050		mg/Kg	1	12/27/2022 11:00:00 PM	72306
Ethylbenzene	ND	0.050		mg/Kg	1	12/27/2022 11:00:00 PM	72306
Xylenes, Total	ND	0.10		mg/Kg	1	12/27/2022 11:00:00 PM	72306
Surr: 4-Bromofluorobenzene	119	70-130		%Rec	1	12/27/2022 11:00:00 PM	72306

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	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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## Analytical Report

Lab Order 2212D34

Date Reported: 12/30/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EB-17

Project: Eagle Creek PL

Collection Date: 12/21/2022 12:32:00 PM

Lab ID: 2212D34-023

Matrix: SOIL

Received Date: 12/23/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	300	60		mg/Kg	20	12/28/2022 11:22:30 AM	72329
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/28/2022 11:58:17 AM	72331
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/28/2022 11:58:17 AM	72331
Surr: DNOP	72.9	21-129		%Rec	1	12/28/2022 11:58:17 AM	72331
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/27/2022 11:59:00 PM	72306
Surr: BFB	102	37.7-212		%Rec	1	12/27/2022 11:59:00 PM	72306
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	12/27/2022 11:59:00 PM	72306
Toluene	ND	0.050		mg/Kg	1	12/27/2022 11:59:00 PM	72306
Ethylbenzene	ND	0.050		mg/Kg	1	12/27/2022 11:59:00 PM	72306
Xylenes, Total	ND	0.099		mg/Kg	1	12/27/2022 11:59:00 PM	72306
Surr: 4-Bromofluorobenzene	112	70-130		%Rec	1	12/27/2022 11:59:00 PM	72306

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	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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## Analytical Report

Lab Order 2212D34

Date Reported: 12/30/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EB-18

Project: Eagle Creek PL

Collection Date: 12/21/2022 12:34:00 PM

Lab ID: 2212D34-024

Matrix: SOIL

Received Date: 12/23/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	120	59		mg/Kg	20	12/28/2022 11:34:50 AM	72329
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/28/2022 12:22:17 PM	72331
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	12/28/2022 12:22:17 PM	72331
Surr: DNOP	82.5	21-129		%Rec	1	12/28/2022 12:22:17 PM	72331
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/28/2022 12:19:00 AM	72306
Surr: BFB	107	37.7-212		%Rec	1	12/28/2022 12:19:00 AM	72306
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	12/28/2022 12:19:00 AM	72306
Toluene	ND	0.050		mg/Kg	1	12/28/2022 12:19:00 AM	72306
Ethylbenzene	ND	0.050		mg/Kg	1	12/28/2022 12:19:00 AM	72306
Xylenes, Total	ND	0.099		mg/Kg	1	12/28/2022 12:19:00 AM	72306
Surr: 4-Bromofluorobenzene	116	70-130		%Rec	1	12/28/2022 12:19:00 AM	72306

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	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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## Analytical Report

Lab Order 2212D34

Date Reported: 12/30/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EB-19

Project: Eagle Creek PL

Collection Date: 12/21/2022 12:36:00 PM

Lab ID: 2212D34-025

Matrix: SOIL

Received Date: 12/23/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	300	60		mg/Kg	20	12/27/2022 9:18:17 PM	72332
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	12/28/2022 12:46:37 PM	72331
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	12/28/2022 12:46:37 PM	72331
Surr: DNOP	88.4	21-129		%Rec	1	12/28/2022 12:46:37 PM	72331
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/28/2022 12:38:00 AM	72306
Surr: BFB	105	37.7-212		%Rec	1	12/28/2022 12:38:00 AM	72306
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	12/28/2022 12:38:00 AM	72306
Toluene	ND	0.050		mg/Kg	1	12/28/2022 12:38:00 AM	72306
Ethylbenzene	ND	0.050		mg/Kg	1	12/28/2022 12:38:00 AM	72306
Xylenes, Total	ND	0.099		mg/Kg	1	12/28/2022 12:38:00 AM	72306
Surr: 4-Bromofluorobenzene	115	70-130		%Rec	1	12/28/2022 12:38:00 AM	72306

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	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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## Analytical Report

Lab Order 2212D34

Date Reported: 12/30/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EB-20

Project: Eagle Creek PL

Collection Date: 12/21/2022 12:38:00 PM

Lab ID: 2212D34-026

Matrix: SOIL

Received Date: 12/23/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	110	60		mg/Kg	20	12/27/2022 9:55:32 PM	72332
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/28/2022 1:10:40 PM	72331
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/28/2022 1:10:40 PM	72331
Surr: DNOP	99.0	21-129		%Rec	1	12/28/2022 1:10:40 PM	72331
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/28/2022 12:58:00 AM	72306
Surr: BFB	106	37.7-212		%Rec	1	12/28/2022 12:58:00 AM	72306
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	12/28/2022 12:58:00 AM	72306
Toluene	ND	0.049		mg/Kg	1	12/28/2022 12:58:00 AM	72306
Ethylbenzene	ND	0.049		mg/Kg	1	12/28/2022 12:58:00 AM	72306
Xylenes, Total	ND	0.099		mg/Kg	1	12/28/2022 12:58:00 AM	72306
Surr: 4-Bromofluorobenzene	119	70-130		%Rec	1	12/28/2022 12:58:00 AM	72306

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	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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## Analytical Report

Lab Order 2212D34

Date Reported: 12/30/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EB-21

Project: Eagle Creek PL

Collection Date: 12/21/2022 12:40:00 PM

Lab ID: 2212D34-027

Matrix: SOIL

Received Date: 12/23/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	140	60		mg/Kg	20	12/27/2022 10:07:56 PM	72332
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/28/2022 1:34:55 PM	72331
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/28/2022 1:34:55 PM	72331
Surr: DNOP	71.9	21-129		%Rec	1	12/28/2022 1:34:55 PM	72331
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/28/2022 1:18:00 AM	72306
Surr: BFB	105	37.7-212		%Rec	1	12/28/2022 1:18:00 AM	72306
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	12/28/2022 1:18:00 AM	72306
Toluene	ND	0.050		mg/Kg	1	12/28/2022 1:18:00 AM	72306
Ethylbenzene	ND	0.050		mg/Kg	1	12/28/2022 1:18:00 AM	72306
Xylenes, Total	ND	0.099		mg/Kg	1	12/28/2022 1:18:00 AM	72306
Surr: 4-Bromofluorobenzene	116	70-130		%Rec	1	12/28/2022 1:18:00 AM	72306

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	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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## Analytical Report

Lab Order 2212D34

Date Reported: 12/30/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EB-22

Project: Eagle Creek PL

Collection Date: 12/21/2022 12:42:00 PM

Lab ID: 2212D34-028

Matrix: SOIL

Received Date: 12/23/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	1100	60		mg/Kg	20	12/27/2022 10:20:21 PM	72332
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/28/2022 1:59:02 PM	72331
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/28/2022 1:59:02 PM	72331
Surr: DNOP	120	21-129		%Rec	1	12/28/2022 1:59:02 PM	72331
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/28/2022 1:37:00 AM	72306
Surr: BFB	106	37.7-212		%Rec	1	12/28/2022 1:37:00 AM	72306
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	12/28/2022 1:37:00 AM	72306
Toluene	ND	0.050		mg/Kg	1	12/28/2022 1:37:00 AM	72306
Ethylbenzene	ND	0.050		mg/Kg	1	12/28/2022 1:37:00 AM	72306
Xylenes, Total	ND	0.10		mg/Kg	1	12/28/2022 1:37:00 AM	72306
Surr: 4-Bromofluorobenzene	118	70-130		%Rec	1	12/28/2022 1:37:00 AM	72306

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	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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## Analytical Report

Lab Order 2212D34

Date Reported: 12/30/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EB-23

Project: Eagle Creek PL

Collection Date: 12/21/2022 12:44:00 PM

Lab ID: 2212D34-029

Matrix: SOIL

Received Date: 12/23/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	110	60		mg/Kg	20	12/27/2022 10:32:46 PM	72332
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/28/2022 11:45:56 AM	72331
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/28/2022 11:45:56 AM	72331
Surr: DNOP	120	21-129		%Rec	1	12/28/2022 11:45:56 AM	72331
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/28/2022 1:57:00 AM	72306
Surr: BFB	111	37.7-212		%Rec	1	12/28/2022 1:57:00 AM	72306
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	12/28/2022 1:57:00 AM	72306
Toluene	ND	0.049		mg/Kg	1	12/28/2022 1:57:00 AM	72306
Ethylbenzene	ND	0.049		mg/Kg	1	12/28/2022 1:57:00 AM	72306
Xylenes, Total	ND	0.099		mg/Kg	1	12/28/2022 1:57:00 AM	72306
Surr: 4-Bromofluorobenzene	119	70-130		%Rec	1	12/28/2022 1:57:00 AM	72306

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	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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## Analytical Report

Lab Order 2212D34

Date Reported: 12/30/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EB-24

Project: Eagle Creek PL

Collection Date: 12/21/2022 12:46:00 PM

Lab ID: 2212D34-030

Matrix: SOIL

Received Date: 12/23/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	600	60		mg/Kg	20	12/27/2022 10:45:10 PM	72332
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/28/2022 11:59:45 AM	72331
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/28/2022 11:59:45 AM	72331
Surr: DNOP	133	21-129	S	%Rec	1	12/28/2022 11:59:45 AM	72331
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/28/2022 2:17:00 AM	72306
Surr: BFB	107	37.7-212		%Rec	1	12/28/2022 2:17:00 AM	72306
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	12/28/2022 2:17:00 AM	72306
Toluene	ND	0.049		mg/Kg	1	12/28/2022 2:17:00 AM	72306
Ethylbenzene	ND	0.049		mg/Kg	1	12/28/2022 2:17:00 AM	72306
Xylenes, Total	ND	0.099		mg/Kg	1	12/28/2022 2:17:00 AM	72306
Surr: 4-Bromofluorobenzene	118	70-130		%Rec	1	12/28/2022 2:17:00 AM	72306

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	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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

WO#: 2212D34

30-Dec-22

**Client:** EOG  
**Project:** Eagle Creek PL

Sample ID: <b>MB-72332</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>72332</b>	RunNo: <b>93551</b>								
Prep Date: <b>12/27/2022</b>	Analysis Date: <b>12/27/2022</b>	SeqNo: <b>3375896</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-72332</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>72332</b>	RunNo: <b>93551</b>								
Prep Date: <b>12/27/2022</b>	Analysis Date: <b>12/27/2022</b>	SeqNo: <b>3375897</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	95.2	90	110			

Sample ID: <b>MB-72335</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>72335</b>	RunNo: <b>93569</b>								
Prep Date: <b>12/27/2022</b>	Analysis Date: <b>12/27/2022</b>	SeqNo: <b>3376092</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-72335</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>72335</b>	RunNo: <b>93569</b>								
Prep Date: <b>12/27/2022</b>	Analysis Date: <b>12/27/2022</b>	SeqNo: <b>3376093</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	95.9	90	110			

Sample ID: <b>LCS-72329</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>72329</b>	RunNo: <b>93573</b>								
Prep Date: <b>12/27/2022</b>	Analysis Date: <b>12/27/2022</b>	SeqNo: <b>3376237</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	93.3	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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank  
E Above Quantitation Range/Estimated Value  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit



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

WO#: 2212D34

30-Dec-22

**Client:** EOG  
**Project:** Eagle Creek PL

Sample ID: <b>MB-72331</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>72331</b>	RunNo: <b>93564</b>								
Prep Date: <b>12/27/2022</b>	Analysis Date: <b>12/28/2022</b>	SeqNo: <b>3376327</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	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	12		10.00		123	21	129			

Sample ID: <b>LCS-72331</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>72331</b>	RunNo: <b>93564</b>								
Prep Date: <b>12/27/2022</b>	Analysis Date: <b>12/28/2022</b>	SeqNo: <b>3376328</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	61	15	50.00	0	122	64.4	127			
Surr: DNOP	6.8		5.000		136	21	129			S

Sample ID: <b>LCS-72328</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>72328</b>	RunNo: <b>93583</b>								
Prep Date: <b>12/27/2022</b>	Analysis Date: <b>12/28/2022</b>	SeqNo: <b>3376643</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	15	50.00	0	110	64.4	127			
Surr: DNOP	7.0		5.000		141	21	129			S

Sample ID: <b>LCS-72338</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>72338</b>	RunNo: <b>93583</b>								
Prep Date: <b>12/28/2022</b>	Analysis Date: <b>12/28/2022</b>	SeqNo: <b>3376644</b> Units: <b>%Rec</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.6		5.000		92.9	21	129			

Sample ID: <b>MB-72328</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>72328</b>	RunNo: <b>93583</b>								
Prep Date: <b>12/27/2022</b>	Analysis Date: <b>12/28/2022</b>	SeqNo: <b>3376645</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	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	13		10.00		132	21	129			S

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank  
E Above Quantitation Range/Estimated Value  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

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

WO#: 2212D34

30-Dec-22

**Client:** EOG  
**Project:** Eagle Creek PL

Sample ID: <b>MB-72338</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>PBS</b>	Batch ID: <b>72338</b>			RunNo: <b>93583</b>						
Prep Date: <b>12/28/2022</b>	Analysis Date: <b>12/28/2022</b>			SeqNo: <b>3376646</b>		Units: <b>%Rec</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.6		10.00		86.4	21	129			

Sample ID: <b>LCS-72349</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>72349</b>			RunNo: <b>93577</b>						
Prep Date: <b>12/28/2022</b>	Analysis Date: <b>12/28/2022</b>			SeqNo: <b>3377115</b>		Units: <b>%Rec</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	3.2		5.000		64.0	21	129			

Sample ID: <b>MB-72349</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>PBS</b>	Batch ID: <b>72349</b>			RunNo: <b>93577</b>						
Prep Date: <b>12/28/2022</b>	Analysis Date: <b>12/28/2022</b>			SeqNo: <b>3377116</b>		Units: <b>%Rec</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	7.8		10.00		78.3	21	129			

**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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank  
E Above Quantitation Range/Estimated Value  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

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

WO#: 2212D34

30-Dec-22

**Client:** EOG  
**Project:** Eagle Creek PL

Sample ID: <b>ics-72306</b>	SampType: <b>LCS</b>				TestCode: <b>EPA Method 8015D: Gasoline Range</b>					
Client ID: <b>LCSS</b>	Batch ID: <b>72306</b>				RunNo: <b>93560</b>					
Prep Date: <b>12/23/2022</b>	Analysis Date: <b>12/27/2022</b>				SeqNo: <b>3375707</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	72.3	137			
Surr: BFB	2300		1000		228	37.7	212			S

Sample ID: <b>mb-72306</b>	SampType: <b>MBLK</b>				TestCode: <b>EPA Method 8015D: Gasoline Range</b>					
Client ID: <b>PBS</b>	Batch ID: <b>72306</b>				RunNo: <b>93560</b>					
Prep Date: <b>12/23/2022</b>	Analysis Date: <b>12/27/2022</b>				SeqNo: <b>3375708</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	1000		1000		101	37.7	212			

Sample ID: <b>MB-72302</b>	SampType: <b>MBLK</b>				TestCode: <b>EPA Method 8015D: Gasoline Range</b>					
Client ID: <b>PBS</b>	Batch ID: <b>72302</b>				RunNo: <b>93560</b>					
Prep Date: <b>12/23/2022</b>	Analysis Date: <b>12/27/2022</b>				SeqNo: <b>3376341</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	1000		1000		104	37.7	212			

Sample ID: <b>ics-72302</b>	SampType: <b>LCS</b>				TestCode: <b>EPA Method 8015D: Gasoline Range</b>					
Client ID: <b>LCSS</b>	Batch ID: <b>72302</b>				RunNo: <b>93560</b>					
Prep Date: <b>12/23/2022</b>	Analysis Date: <b>12/27/2022</b>				SeqNo: <b>3376342</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	101	72.3	137			
Surr: BFB	2300		1000		229	37.7	212			S

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank  
E Above Quantitation Range/Estimated Value  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

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

WO#: 2212D34

30-Dec-22

**Client:** EOG  
**Project:** Eagle Creek PL

Sample ID: <b>lcs-72306</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>72306</b>		RunNo: <b>93560</b>							
Prep Date: <b>12/23/2022</b>	Analysis Date: <b>12/27/2022</b>		SeqNo: <b>3375760</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	99.2	80	120			
Toluene	1.0	0.050	1.000	0	101	80	120			
Ethylbenzene	1.0	0.050	1.000	0	101	80	120			
Xylenes, Total	3.0	0.10	3.000	0	101	80	120			
Surr: 4-Bromofluorobenzene	1.2		1.000		119	70	130			

Sample ID: <b>mb-72306</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>PBS</b>	Batch ID: <b>72306</b>		RunNo: <b>93560</b>							
Prep Date: <b>12/23/2022</b>	Analysis Date: <b>12/27/2022</b>		SeqNo: <b>3375761</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	1.1		1.000		114	70	130			

Sample ID: <b>MB-72302</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>PBS</b>	Batch ID: <b>72302</b>		RunNo: <b>93560</b>							
Prep Date: <b>12/23/2022</b>	Analysis Date: <b>12/27/2022</b>		SeqNo: <b>3376343</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	1.1		1.000		111	70	130			

Sample ID: <b>LCS-72302</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>72302</b>		RunNo: <b>93560</b>							
Prep Date: <b>12/23/2022</b>	Analysis Date: <b>12/27/2022</b>		SeqNo: <b>3376344</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	108	80	120			
Toluene	1.1	0.050	1.000	0	110	80	120			
Ethylbenzene	1.1	0.050	1.000	0	109	80	120			
Xylenes, Total	3.3	0.10	3.000	0	109	80	120			
Surr: 4-Bromofluorobenzene	1.2		1.000		117	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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank  
E Above Quantitation Range/Estimated Value  
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: www.hallenvironmental.com

# Sample Log-In Check List

Client Name: EOG

Work Order Number: 2212D34

RcptNo: 1

Received By: Isaiah Ortiz

12/22/2022

Completed By: Isaiah Ortiz

12/23/2022 8:25:38 AM

Reviewed By:

*JA 12-23-22*

*I-OX*

*I-OX*

## 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? Yes ☒ No ☐

(Note discrepancies on chain of custody)

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? Yes ☒ No ☐

(If no, notify customer for authorization.)

# of preserved  
bottles checked  
for pH:

( $<2$  or  $>12$  unless noted)

Adjusted? \_\_\_\_\_

Checked by: *JMC 12/23/22*

## Special Handling (if applicable)

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

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

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

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

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

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

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

16. Additional remarks:

## 17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.4	Good	Yes			
2	0.2	Good	Yes			









## ATTACHMENT 4 – NMOCD CORRESPONDENCE

**From:** Tina Huerta <[Tina\\_Huerta@eogresources.com](mailto:Tina_Huerta@eogresources.com)>  
**Sent:** Monday, December 19, 2022 8:14:01 AM  
**To:** [ocd.enviro@emnrd.nm.gov](mailto:ocd.enviro@emnrd.nm.gov) <[ocd.enviro@emnrd.nm.gov](mailto:ocd.enviro@emnrd.nm.gov)>  
**Cc:** Artesia S&E Spill Remediation <[Artesia\\_S&E\\_Spill\\_Remediation@eogresources.com](mailto:Artesia_S&E_Spill_Remediation@eogresources.com)>; Artesia Regulatory <[Artesia\\_Regulatory@eogresources.com](mailto:Artesia_Regulatory@eogresources.com)>  
**Subject:** Eagle Creek Pipeline - East (nAPP2234938641) Sampling Notification

Good Morning,

EOG Resources, Inc. respectfully submits notification (2) business days prior to conducting sampling on the following location.

Eagle Creek Pipeline - East

C-25-18S-25E

Eddy County, NM

nAPP2234938641

Sampling will begin at 9:00 a.m. on Wednesday, December 21, 2022.

Thank you,

*Tina Huerta*

*Regulatory Specialist*

*Direct: 575.748.4168*

*Cell: 575.703.3121*

*Email: [tina\\_huerta@eogresources.com](mailto:tina_huerta@eogresources.com)*



**Artesia Division**

**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 171399

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 171399
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAPP2234938641 EAGLE CREEK PIPELINE - EAST, thank you. This closure is approved.	5/5/2023