

Incident ID	nAPP2234939378
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: 4/10/2023

Printed Name: Robert Hamlet

Title: Environmental Specialist - Advanced



SITE CHARACTERIZATION, REMEDIATION, AND CLOSURE REPORT

**EAGLE CREEK PIPELINE - WEST
UNIT C, SECTION 25, T18S-R25E
EDDY COUNTY, NEW MEXICO
32.72403, -104.44054
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 a stylized 'M' and 'C'.

**Max Cook, CAPM
Senior Project Manager**

A blue ink signature of William Kierdorf, consisting of a stylized 'W' and 'K'.

**William Kierdorf, REM
Project Manager**

TABLE OF CONTENTS

1.0	SITE LOCATION AND BACKGROUND	1
2.0	SITE CHARACTERIZATION	1
2.1	Depth-to-Groundwater	1
2.2	Wellhead Protection Area	2
2.3	Distance to Nearest Significant Watercourse	2
2.4	Closure Criteria.....	2
3.0	SITE ASSESSMENT, REMEDIATION, AND CONFIRMATION SAMPLING.....	3
3.1	December 1, 2022 – Site Assessment	3
3.2	Site Remediation, Confirmation Sampling, and Sample Results.....	3
3.3	Waste Disposal.....	4
4.0	SITE CLOSURE.....	4
4.1	Site Backfill and Re-seeding.....	4
4.2	Closure Request.....	4

FORM C-141

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

TABLES

- 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 - WEST
UNIT C, SECTION 25, T18S-R25E
EDDY COUNTY, NEW MEXICO
32.72403, -104.44054
RANGER REFERENCE NO. 5375**

1.0 SITE LOCATION AND BACKGROUND

The Eagle Creek Pipeline – West (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 32.72403, -104.44054.

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 # nAPP2234939378).

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 2,020 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 825 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 ¹	---	50 ¹	10 ¹

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 1, 2022 – Site Assessment

On December 1, 2022, Ranger personnel and representatives of EOG completed assessment activities in the reported area at the Site. 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 13 test excavations were completed to a maximum depth of approximately four feet.

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. 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 six of the 13 test excavation locations. The remaining seven test excavation location samples 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 142 feet by 85 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, 37 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 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	nAPP2234939378
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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 # nAPP2234939378
Contact mailing address 104 S. 4th Street, Artesia, NM 88210	

Location of Release Source

Latitude 32.72403 Longitude -104.44054
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Eagle Creek Pipeline- West	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) Unknown	Volume Recovered (bbls) 0
	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 & 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>
<u>OCD Only</u>	
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 167471

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 167471
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

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

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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>>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 not 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.

State of New Mexico
Oil Conservation Division

Page 4

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Signature: Chase Settle Date: 12/30/2022
email: Chase_Settle@eogresources.com Telephone: 575-748-1471

OCD Only

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- ☒ Description of remediation activities

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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

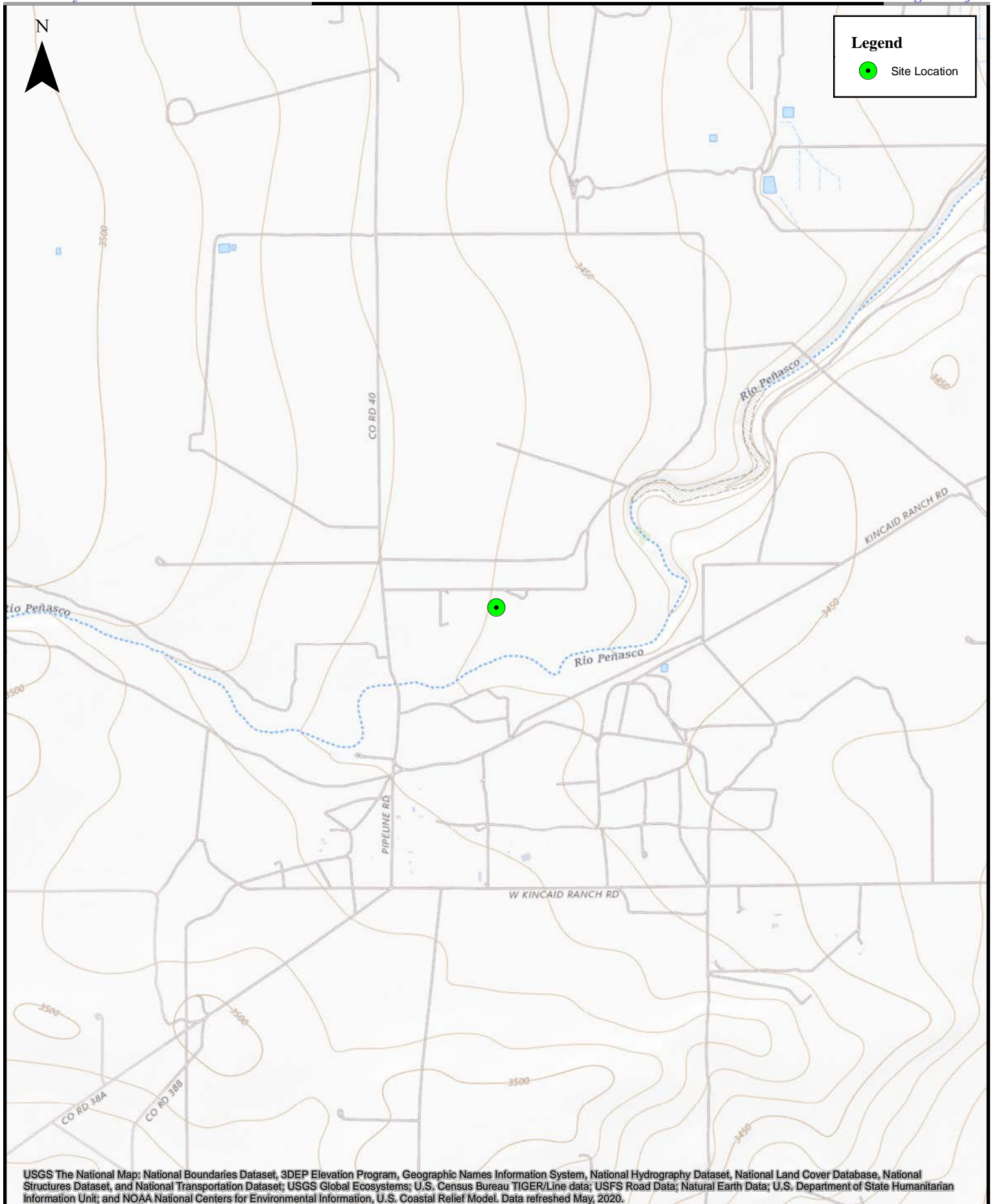
National Wetland Inventory Map

FEMA Floodplain Map

Karst Topography Map

Assessment Sample Location Map

Final Excavation Area and Confirmation Sample Location Map



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

1:24,000

Topographic Map
Eagle Creek Pipeline - West
EOG Resources, Inc.

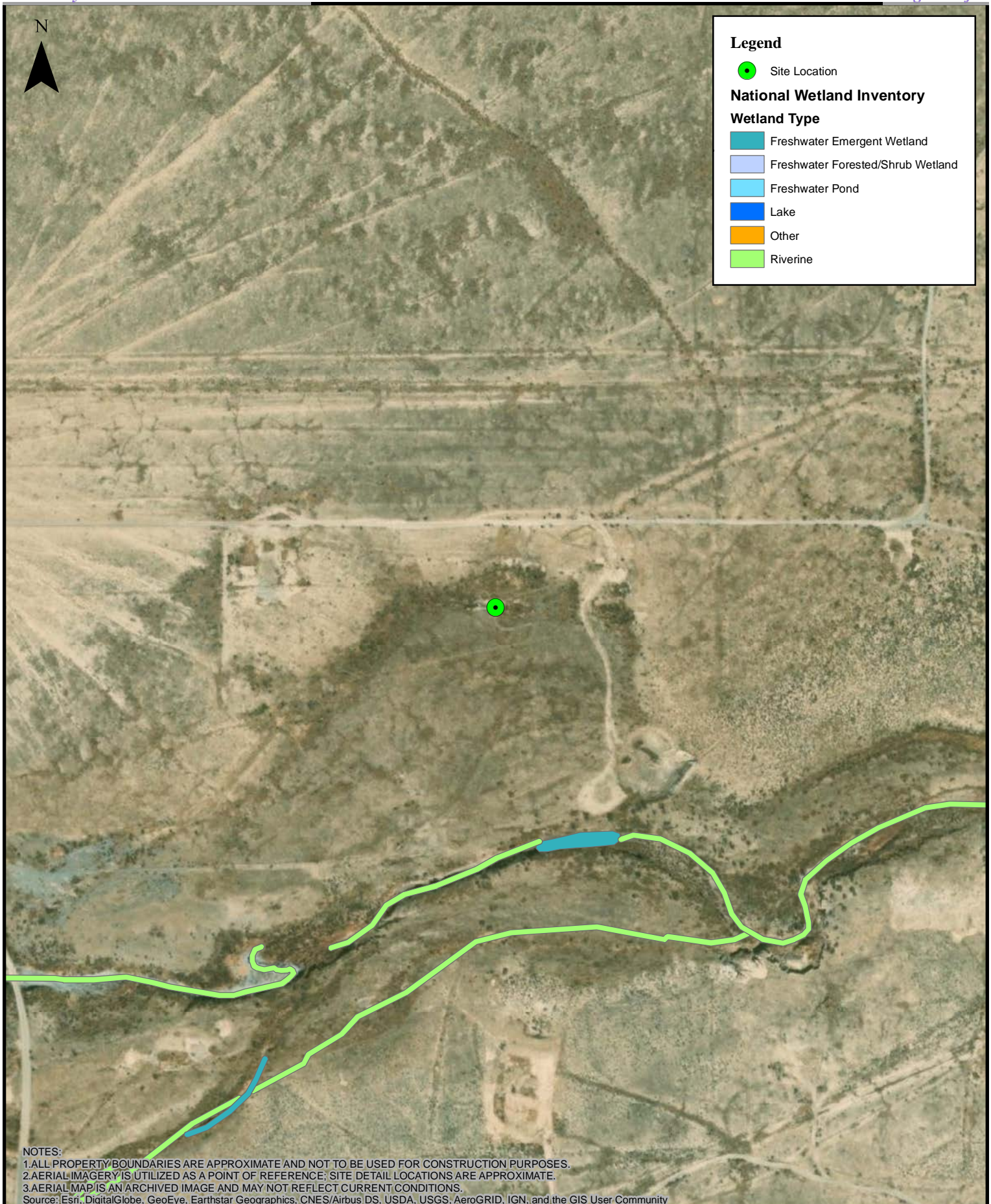




0 250 500 1,000 1,500 2,000 Feet

1:10,000

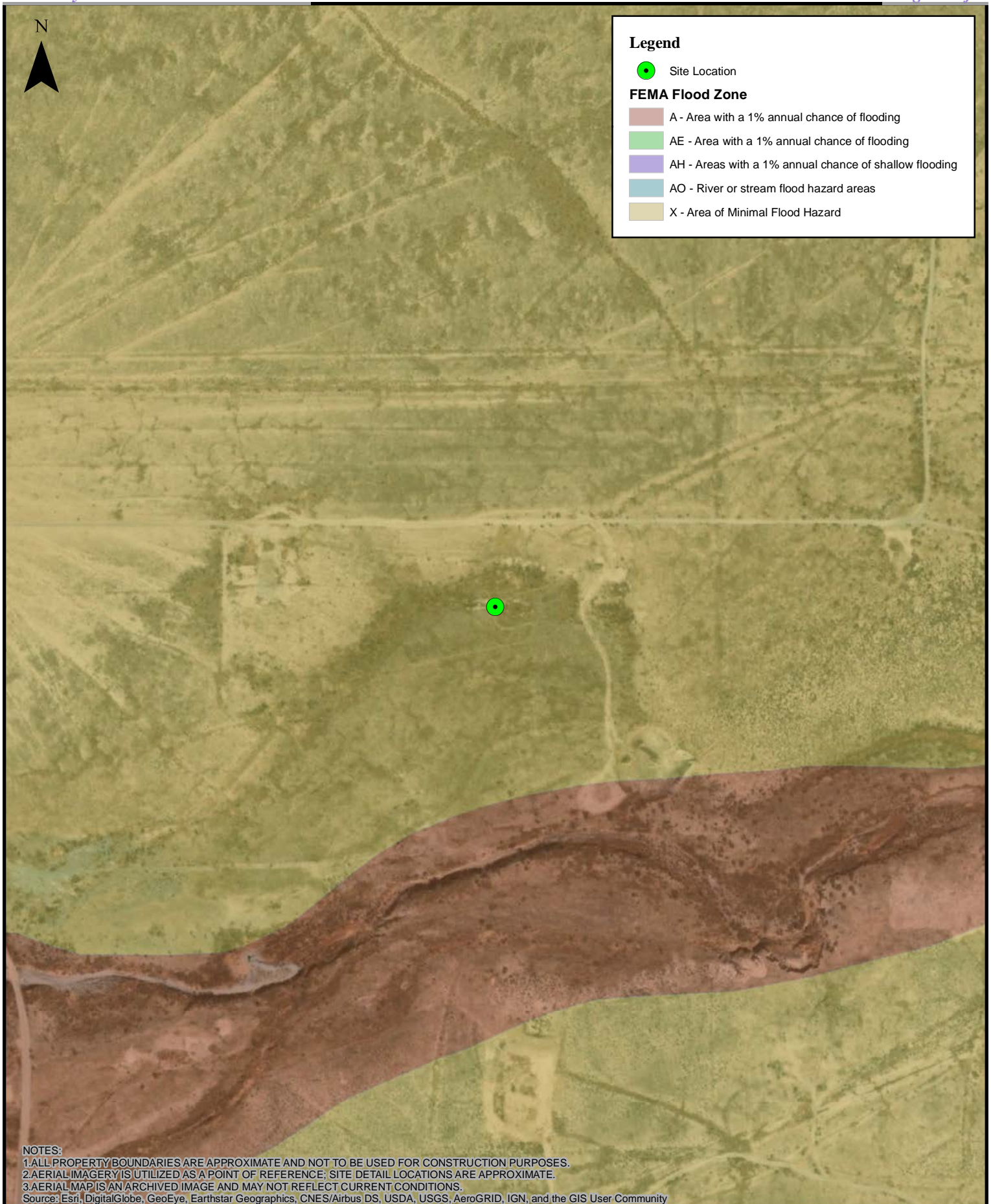
Water Well Location Map
Eagle Creek Pipeline - West
EOG Resources, Inc.



0 125 250 500 750 1,000 Feet

1:5,000

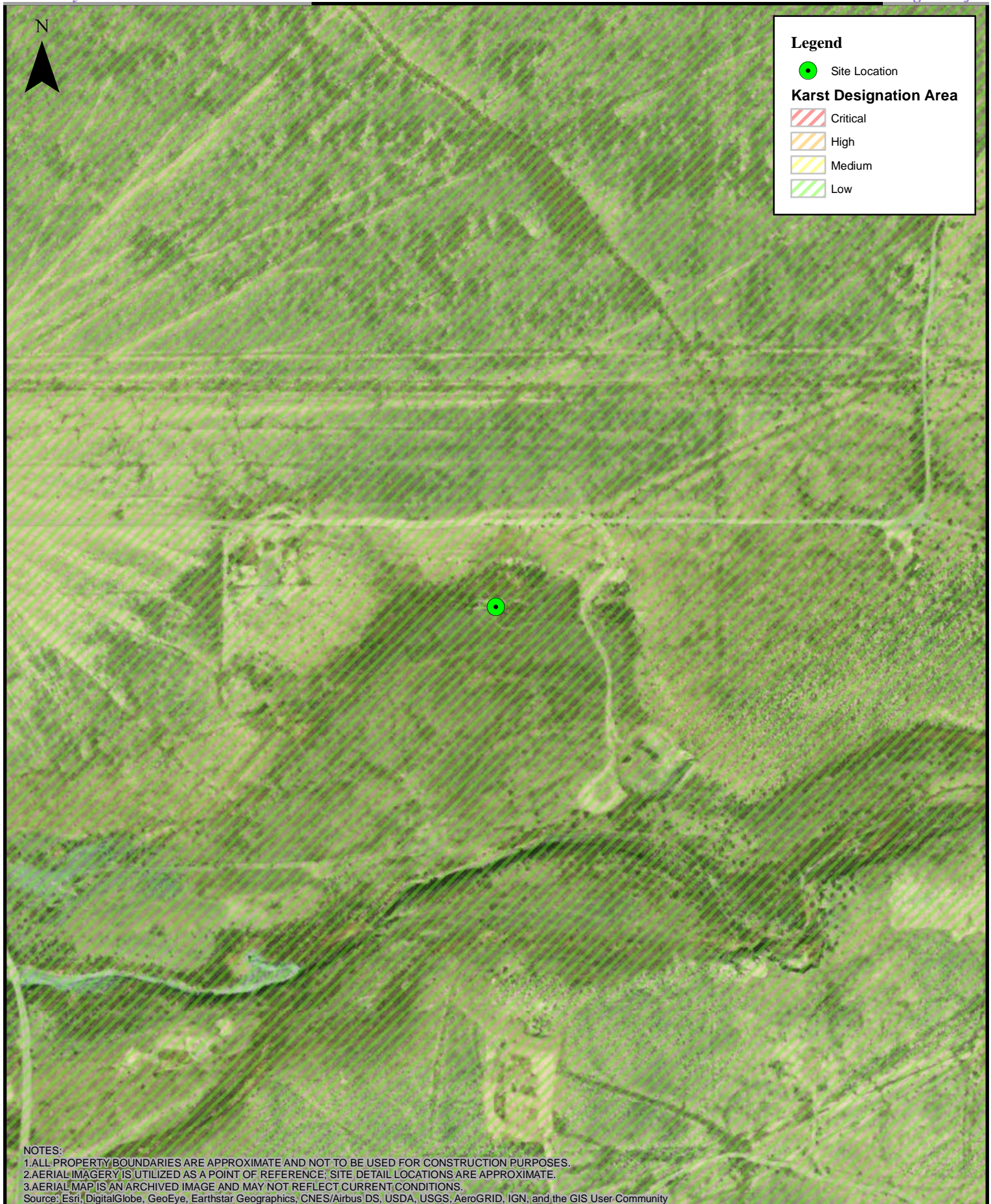
National Wetland Inventory Map
Eagle Creek Pipeline - West
EOG Resources, Inc.



0 125 250 500 750 1,000 Feet

1:5,000

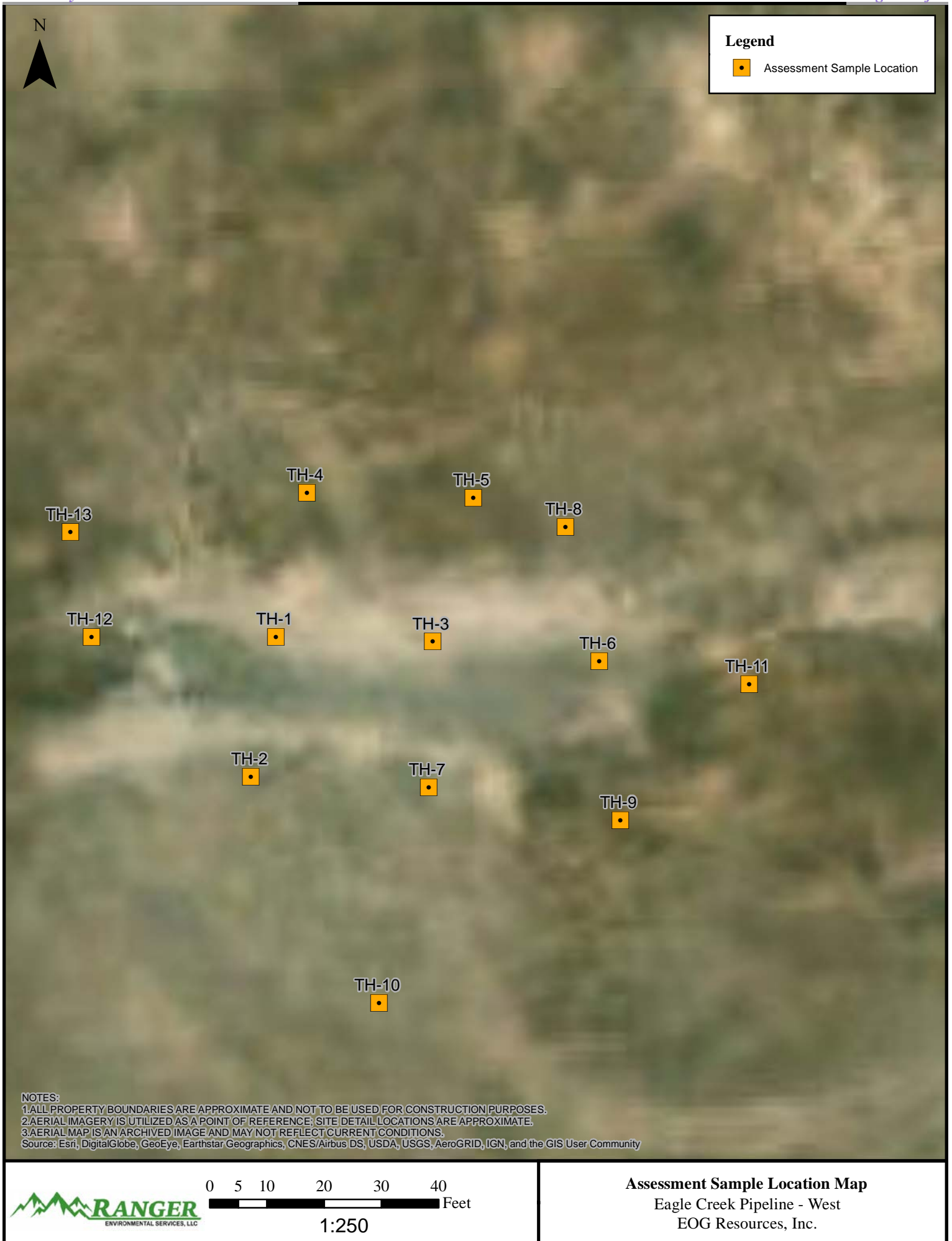
FEMA Floodplain Map
Eagle Creek Pipeline - West
EOG Resources, Inc.

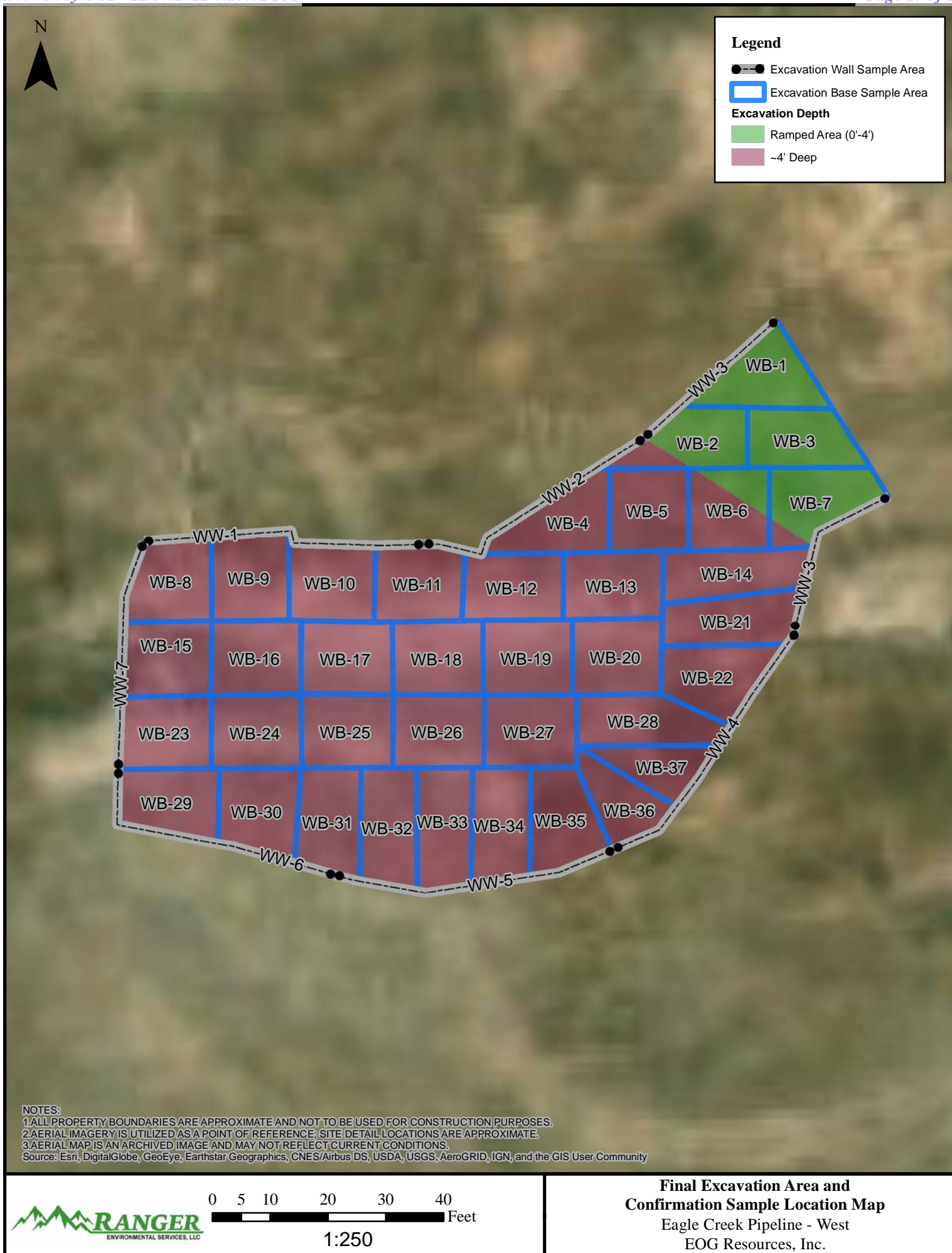


0 125 250 500 750 1,000 Feet

1:5,000

Karst Topography Map
Eagle Creek Pipeline - West
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- WEST													
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
TH-1/3	12/1/2022	3'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<15	<50	<15	<50	5,000
TH-1/4	12/1/2022	4'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<14	<48	<14	<48	6,600
TH-2/3	12/1/2022	3'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<14	<47	<14	<47	1,000
TH-2/4	12/1/2022	4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<14	<47	<14	<47	390
TH-3/0	12/1/2022	0'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<14	<47	<14	<47	1,200
TH-3/4	12/1/2022	4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<15	<48	<15	<48	1,400
TH-4/3	12/1/2022	3'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<14	<48	<14	<48	120
TH-4/4	12/1/2022	4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<14	<48	<14	<48	330
TH-5/1	12/1/2022	1'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<15	<50	<15	<50	1,000
TH-5/4	12/1/2022	4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<13	<42	<13	<42	460
TH-6/1	12/1/2022	1'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<15	<49	<15	<49	6,300
TH-6/4	12/1/2022	4'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<14	<48	<14	<48	1,800
TH-7/3	12/1/2022	3'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<14	<48	<14	<48	1,500
TH-7/4	12/1/2022	4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<15	<49	<15	<49	1,100
TH-8/3	12/1/2022	3'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<14	<48	<14	<48	<60
TH-8/4	12/1/2022	4'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<14	<48	<14	<48	<60
TH-9/1	12/1/2022	1'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<15	<50	<15	<50	350
TH-9/4	12/1/2022	4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<15	<50	<15	<50	380
TH-10/0	12/1/2022	0'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<14	<48	<14	<48	<60
TH-10/4	12/1/2022	4'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<15	<49	<15	<49	<60
TH-11/3	12/1/2022	3'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<15	<50	<15	<50	<60
TH-11/4	12/1/2022	4'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<15	<48	<15	<48	<60
TH-12/4	12/1/2022	4'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<15	<49	<15	<49	140
TH-13/3	12/1/2022	3'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	<14	<47	<14	<47	<60
TH-13/4	12/1/2022	4'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<14	<48	<14	<48	380
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)			10³	---	---	---	50³	---	---	---	---	100³	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 - WEST													
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
WB-1	12/21/2022	0'-4'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<14	<45	<14	<45	270
WB-2	12/21/2022	0'-4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<14	<48	<14	<48	320
WB-3	12/21/2022	0'-4'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<15	<49	<15	<49	460
WB-4	12/21/2022	4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<15	<50	<15	<50	370
WB-5	12/21/2022	4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<15	<50	<15	<50	360
WB-6	12/21/2022	0'-4'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<14	<47	<14	<47	360
WB-7	12/21/2022	0'-4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<14	<46	<14	<46	340
WB-8	12/21/2022	4'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<15	<49	<15	<49	390
WB-9	12/21/2022	4'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<14	<48	<14	<48	360
WB-10	12/21/2022	4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<15	<49	<15	<49	450
WB-11	12/21/2022	4'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<14	<48	<14	<48	470
WB-12	12/21/2022	4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<14	<46	<14	<46	330
WB-13	12/21/2022	4'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<15	<49	<15	<49	360
WB-14	12/21/2022	4'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<14	<48	<14	<48	380
WB-15	12/21/2022	4'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<14	<48	<14	<48	380
WB-16	12/21/2022	4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<15	<49	<15	<49	440
WB-17	12/21/2022	4'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<14	<48	<14	<48	380
WB-18	12/21/2022	4'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<15	<50	<15	<50	340
WB-19	12/21/2022	4'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<14	<48	<14	<48	350
WB-20	12/21/2022	4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<14	<47	<14	<47	430
WB-21	12/21/2022	4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<15	<50	<15	<50	350
WB-22	12/21/2022	4'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<15	<49	<15	<49	390
WB-23	12/21/2022	4'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<15	<49	<15	<49	400
WB-24	12/21/2022	4'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<15	<49	<15	<49	410
WB-25	12/21/2022	4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<15	<50	<15	<50	370
WB-26	12/21/2022	4'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<15	<50	<15	<50	340
WB-27	12/21/2022	4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<15	<49	<15	<49	390
WB-28	12/21/2022	4'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<15	<49	<15	<49	320
WB-29	12/21/2022	4'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<15	<50	<15	<50	390
WB-30	12/21/2022	4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<15	<50	<15	<50	410
WB-31	12/21/2022	4'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<15	<48	<15	<48	410
WB-32	12/21/2022	4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<14	<48	<14	<48	410
WB-33	12/21/2022	4'	<0.025	<0.050	<0.050	<0.099	<0.10	<4.9	<14	<46	<14	<46	380
WB-34	12/21/2022	4'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<15	<50	<15	<50	440
WB-35	12/21/2022	4'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<15	<50	<15	<50	350
WB-36	12/21/2022	4'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<15	<49	<15	<49	400
WB-37	12/21/2022	4'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<14	<47	<14	<47	330
WW-1	12/21/2022	0'-4'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<15	<49	<15	<49	160
WW-2	12/21/2022	0'-4'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<14	<45	<14	<45	540
WW-3	12/21/2022	0'-4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<14	<48	<14	<48	170
WW-4	12/21/2022	0'-4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<14	<47	<14	<47	74
WW-5	12/21/2022	0'-4'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<13	<44	<13	<44	76
WW-6	12/21/2022	0'-4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<15	<49	<15	<49	300
WW-7	12/21/2022	0'-4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<15	<49	<15	<49	74
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 ³	---	---	---	50 ³	---	---	---	---	100 ³	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.

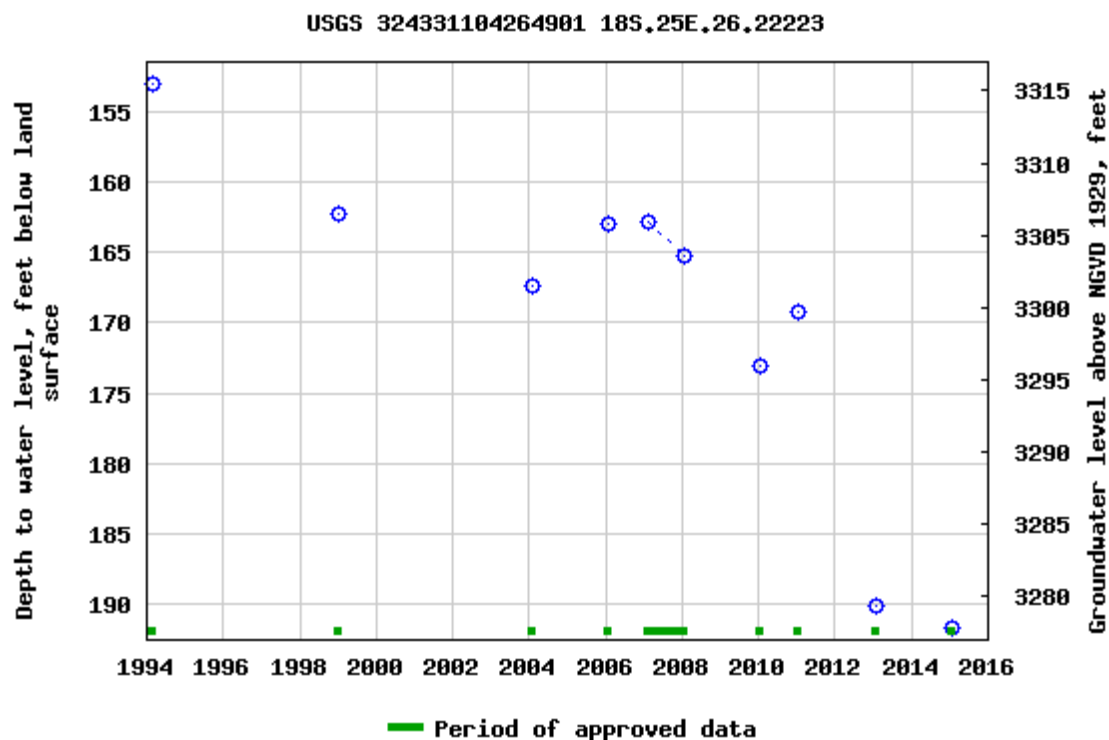
Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

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

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Title: Groundwater for USA: Water Levels

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

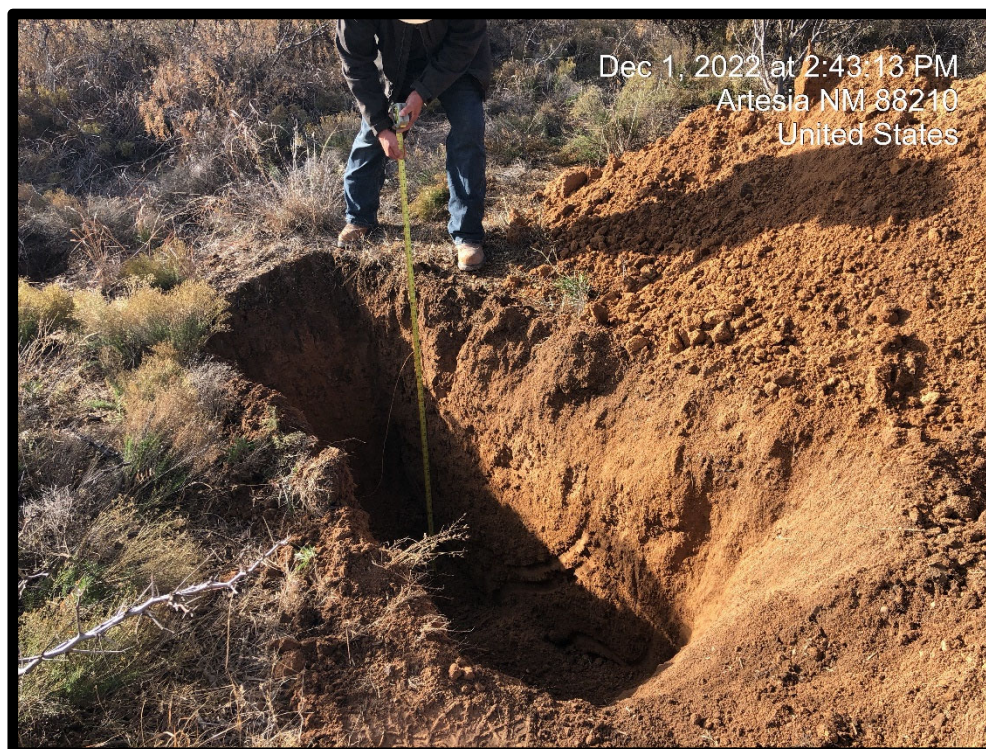


Page Contact Information: [USGS Water Data Support Team](#)

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

0.66 0.56 nadww01

ATTACHMENT 2 – PHOTOGRAPHIC DOCUMENTATION



PHOTOGRAPH NO. 1 – A general view of a test excavation completed at the Site during the December 1, 2022, site assessment activities.



PHOTOGRAPH NO. 2 – A view of the Site during the final soil removal operations. The view is towards the northeast.

(Approximate GPS Coordinates: 32.723955, -104.440812)



Dec 21, 2022 at 4:28:55 PM
Artesia NM 88210
United States

**PHOTOGRAPH NO. 3 – A view the excavated area upon completion on December 21, 2022.
The view is towards the southeast.**

(Approximate GPS Coordinates: 32.724142, -104.440827)

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

December 12, 2022

Will Kierdorf

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX:

RE: Eagle Creek

OrderNo.: 2212151

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 25 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 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 2212151

Date Reported: 12/12/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-1/3

Project: Eagle Creek

Collection Date: 12/1/2022 9:14:00 AM

Lab ID: 2212151-001

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	5000	300		mg/Kg	100	12/7/2022 2:01:45 PM	71876
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/7/2022 2:19:02 PM	71866
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/7/2022 2:19:02 PM	71866
Surr: DNOP	98.7	21-129		%Rec	1	12/7/2022 2:19:02 PM	71866
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/6/2022 7:02:10 PM	71848
Surr: BFB	90.7	37.7-212		%Rec	1	12/6/2022 7:02:10 PM	71848
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	12/6/2022 7:02:10 PM	71848
Toluene	ND	0.049		mg/Kg	1	12/6/2022 7:02:10 PM	71848
Ethylbenzene	ND	0.049		mg/Kg	1	12/6/2022 7:02:10 PM	71848
Xylenes, Total	ND	0.098		mg/Kg	1	12/6/2022 7:02:10 PM	71848
Surr: 4-Bromofluorobenzene	91.4	70-130		%Rec	1	12/6/2022 7:02:10 PM	71848

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.		

Page 1 of 32

Analytical Report

Lab Order 2212151

Date Reported: 12/12/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-1/4

Project: Eagle Creek

Collection Date: 12/1/2022 9:16:00 AM

Lab ID: 2212151-002

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	6600	300		mg/Kg	100	12/7/2022 2:14:06 PM	71876
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/7/2022 2:43:09 PM	71866
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/7/2022 2:43:09 PM	71866
Surr: DNOP	85.9	21-129		%Rec	1	12/7/2022 2:43:09 PM	71866
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/6/2022 11:27:00 AM	71855
Surr: BFB	94.6	37.7-212		%Rec	1	12/6/2022 11:27:00 AM	71855
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	12/6/2022 11:27:00 AM	71855
Toluene	ND	0.049		mg/Kg	1	12/6/2022 11:27:00 AM	71855
Ethylbenzene	ND	0.049		mg/Kg	1	12/6/2022 11:27:00 AM	71855
Xylenes, Total	ND	0.099		mg/Kg	1	12/6/2022 11:27:00 AM	71855
Surr: 4-Bromofluorobenzene	97.6	70-130		%Rec	1	12/6/2022 11:27:00 AM	71855

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.		

Page 2 of 32

Analytical Report

Lab Order 2212151

Date Reported: 12/12/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-2/3

Project: Eagle Creek

Collection Date: 12/1/2022 9:46:00 AM

Lab ID: 2212151-003

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	1000	60		mg/Kg	20	12/6/2022 9:15:50 PM	71876
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/7/2022 3:07:29 PM	71866
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/7/2022 3:07:29 PM	71866
Surr: DNOP	106	21-129		%Rec	1	12/7/2022 3:07:29 PM	71866
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/6/2022 12:26:00 PM	71855
Surr: BFB	99.9	37.7-212		%Rec	1	12/6/2022 12:26:00 PM	71855
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	12/6/2022 12:26:00 PM	71855
Toluene	ND	0.050		mg/Kg	1	12/6/2022 12:26:00 PM	71855
Ethylbenzene	ND	0.050		mg/Kg	1	12/6/2022 12:26:00 PM	71855
Xylenes, Total	ND	0.10		mg/Kg	1	12/6/2022 12:26:00 PM	71855
Surr: 4-Bromofluorobenzene	98.0	70-130		%Rec	1	12/6/2022 12:26:00 PM	71855

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.		

Page 3 of 32

Analytical Report

Lab Order 2212151

Date Reported: 12/12/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-2/4

Project: Eagle Creek

Collection Date: 12/1/2022 9:48:00 AM

Lab ID: 2212151-004

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	390	60		mg/Kg	20	12/6/2022 10:03:53 PM	71877
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/7/2022 3:31:38 PM	71866
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/7/2022 3:31:38 PM	71866
Surr: DNOP	101	21-129		%Rec	1	12/7/2022 3:31:38 PM	71866
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/6/2022 1:25:00 PM	71855
Surr: BFB	94.6	37.7-212		%Rec	1	12/6/2022 1:25:00 PM	71855
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	12/6/2022 1:25:00 PM	71855
Toluene	ND	0.050		mg/Kg	1	12/6/2022 1:25:00 PM	71855
Ethylbenzene	ND	0.050		mg/Kg	1	12/6/2022 1:25:00 PM	71855
Xylenes, Total	ND	0.10		mg/Kg	1	12/6/2022 1:25:00 PM	71855
Surr: 4-Bromofluorobenzene	94.0	70-130		%Rec	1	12/6/2022 1:25:00 PM	71855

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.		

Page 4 of 32

Analytical Report

Lab Order 2212151

Date Reported: 12/12/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-3/0

Project: Eagle Creek

Collection Date: 12/1/2022 10:00:00 AM

Lab ID: 2212151-005

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	1200	60		mg/Kg	20	12/6/2022 10:16:18 PM	71877
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/7/2022 3:56:02 PM	71866
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/7/2022 3:56:02 PM	71866
Surr: DNOP	80.0	21-129		%Rec	1	12/7/2022 3:56:02 PM	71866
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/6/2022 1:45:00 PM	71855
Surr: BFB	95.2	37.7-212		%Rec	1	12/6/2022 1:45:00 PM	71855
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	12/6/2022 1:45:00 PM	71855
Toluene	ND	0.050		mg/Kg	1	12/6/2022 1:45:00 PM	71855
Ethylbenzene	ND	0.050		mg/Kg	1	12/6/2022 1:45:00 PM	71855
Xylenes, Total	ND	0.099		mg/Kg	1	12/6/2022 1:45:00 PM	71855
Surr: 4-Bromofluorobenzene	94.1	70-130		%Rec	1	12/6/2022 1:45:00 PM	71855

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.		

Page 5 of 32

Analytical Report

Lab Order 2212151

Date Reported: 12/12/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-3/4

Project: Eagle Creek

Collection Date: 12/1/2022 10:08:00 AM

Lab ID: 2212151-006

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	1400	61		mg/Kg	20	12/6/2022 10:28:42 PM	71877
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/7/2022 4:20:02 PM	71866
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/7/2022 4:20:02 PM	71866
Surr: DNOP	97.5	21-129		%Rec	1	12/7/2022 4:20:02 PM	71866
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/6/2022 2:04:00 PM	71855
Surr: BFB	90.7	37.7-212		%Rec	1	12/6/2022 2:04:00 PM	71855
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	12/6/2022 2:04:00 PM	71855
Toluene	ND	0.050		mg/Kg	1	12/6/2022 2:04:00 PM	71855
Ethylbenzene	ND	0.050		mg/Kg	1	12/6/2022 2:04:00 PM	71855
Xylenes, Total	ND	0.10		mg/Kg	1	12/6/2022 2:04:00 PM	71855
Surr: 4-Bromofluorobenzene	95.1	70-130		%Rec	1	12/6/2022 2:04:00 PM	71855

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.		

Page 6 of 32

Analytical Report

Lab Order 2212151

Date Reported: 12/12/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-4/3

Project: Eagle Creek

Collection Date: 12/1/2022 10:34:00 AM

Lab ID: 2212151-007

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	120	61		mg/Kg	20	12/6/2022 10:41:06 PM	71877
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/7/2022 4:44:18 PM	71866
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/7/2022 4:44:18 PM	71866
Surr: DNOP	91.3	21-129		%Rec	1	12/7/2022 4:44:18 PM	71866
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/6/2022 2:24:00 PM	71855
Surr: BFB	98.1	37.7-212		%Rec	1	12/6/2022 2:24:00 PM	71855
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	12/6/2022 2:24:00 PM	71855
Toluene	ND	0.050		mg/Kg	1	12/6/2022 2:24:00 PM	71855
Ethylbenzene	ND	0.050		mg/Kg	1	12/6/2022 2:24:00 PM	71855
Xylenes, Total	ND	0.099		mg/Kg	1	12/6/2022 2:24:00 PM	71855
Surr: 4-Bromofluorobenzene	96.2	70-130		%Rec	1	12/6/2022 2:24:00 PM	71855

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.		

Page 7 of 32

Analytical Report

Lab Order 2212151

Date Reported: 12/12/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-4/4

Project: Eagle Creek

Collection Date: 12/1/2022 10:36:00 AM

Lab ID: 2212151-008

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	330	60		mg/Kg	20	12/6/2022 10:53:30 PM	71877
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/7/2022 5:08:27 PM	71866
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/7/2022 5:08:27 PM	71866
Surr: DNOP	89.0	21-129		%Rec	1	12/7/2022 5:08:27 PM	71866
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/6/2022 2:44:00 PM	71855
Surr: BFB	99.8	37.7-212		%Rec	1	12/6/2022 2:44:00 PM	71855
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	12/6/2022 2:44:00 PM	71855
Toluene	ND	0.050		mg/Kg	1	12/6/2022 2:44:00 PM	71855
Ethylbenzene	ND	0.050		mg/Kg	1	12/6/2022 2:44:00 PM	71855
Xylenes, Total	ND	0.10		mg/Kg	1	12/6/2022 2:44:00 PM	71855
Surr: 4-Bromofluorobenzene	98.5	70-130		%Rec	1	12/6/2022 2:44:00 PM	71855

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.		

Page 8 of 32

Analytical Report

Lab Order 2212151

Date Reported: 12/12/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-5/1

Project: Eagle Creek

Collection Date: 12/1/2022 10:52:00 AM

Lab ID: 2212151-009

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	1000	60		mg/Kg	20	12/6/2022 11:05:54 PM	71877
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/7/2022 5:32:47 PM	71866
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/7/2022 5:32:47 PM	71866
Surr: DNOP	85.7	21-129		%Rec	1	12/7/2022 5:32:47 PM	71866
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/6/2022 3:03:00 PM	71855
Surr: BFB	95.9	37.7-212		%Rec	1	12/6/2022 3:03:00 PM	71855
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	12/6/2022 3:03:00 PM	71855
Toluene	ND	0.050		mg/Kg	1	12/6/2022 3:03:00 PM	71855
Ethylbenzene	ND	0.050		mg/Kg	1	12/6/2022 3:03:00 PM	71855
Xylenes, Total	ND	0.099		mg/Kg	1	12/6/2022 3:03:00 PM	71855
Surr: 4-Bromofluorobenzene	97.7	70-130		%Rec	1	12/6/2022 3:03:00 PM	71855

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.		

Page 9 of 32

Analytical Report

Lab Order 2212151

Date Reported: 12/12/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-5/4

Project: Eagle Creek

Collection Date: 12/1/2022 10:58:00 AM

Lab ID: 2212151-010

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	460	60		mg/Kg	20	12/6/2022 11:18:18 PM	71877
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	12/7/2022 5:56:59 PM	71866
Motor Oil Range Organics (MRO)	ND	42		mg/Kg	1	12/7/2022 5:56:59 PM	71866
Surr: DNOP	77.2	21-129		%Rec	1	12/7/2022 5:56:59 PM	71866
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/6/2022 3:23:00 PM	71855
Surr: BFB	100	37.7-212		%Rec	1	12/6/2022 3:23:00 PM	71855
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	12/6/2022 3:23:00 PM	71855
Toluene	ND	0.050		mg/Kg	1	12/6/2022 3:23:00 PM	71855
Ethylbenzene	ND	0.050		mg/Kg	1	12/6/2022 3:23:00 PM	71855
Xylenes, Total	ND	0.10		mg/Kg	1	12/6/2022 3:23:00 PM	71855
Surr: 4-Bromofluorobenzene	98.4	70-130		%Rec	1	12/6/2022 3:23:00 PM	71855

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.		

Page 10 of 32

Analytical Report

Lab Order 2212151

Date Reported: 12/12/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-6/1

Project: Eagle Creek

Collection Date: 12/1/2022 11:06:00 AM

Lab ID: 2212151-011

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	6300	300		mg/Kg	100	12/7/2022 2:26:27 PM	71877
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/7/2022 6:21:16 PM	71866
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/7/2022 6:21:16 PM	71866
Surr: DNOP	73.3	21-129		%Rec	1	12/7/2022 6:21:16 PM	71866
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/6/2022 3:43:00 PM	71855
Surr: BFB	102	37.7-212		%Rec	1	12/6/2022 3:43:00 PM	71855
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	12/6/2022 3:43:00 PM	71855
Toluene	ND	0.050		mg/Kg	1	12/6/2022 3:43:00 PM	71855
Ethylbenzene	ND	0.050		mg/Kg	1	12/6/2022 3:43:00 PM	71855
Xylenes, Total	ND	0.10		mg/Kg	1	12/6/2022 3:43:00 PM	71855
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	12/6/2022 3:43:00 PM	71855

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.		

Page 11 of 32

Analytical Report

Lab Order 2212151

Date Reported: 12/12/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-6/4

Project: Eagle Creek

Collection Date: 12/1/2022 11:12:00 AM

Lab ID: 2212151-012

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	1800	59		mg/Kg	20	12/7/2022 12:07:56 AM	71877
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/7/2022 6:45:18 PM	71866
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/7/2022 6:45:18 PM	71866
Surr: DNOP	80.6	21-129		%Rec	1	12/7/2022 6:45:18 PM	71866
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/6/2022 4:22:00 PM	71855
Surr: BFB	105	37.7-212		%Rec	1	12/6/2022 4:22:00 PM	71855
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	12/6/2022 4:22:00 PM	71855
Toluene	ND	0.049		mg/Kg	1	12/6/2022 4:22:00 PM	71855
Ethylbenzene	ND	0.049		mg/Kg	1	12/6/2022 4:22:00 PM	71855
Xylenes, Total	ND	0.099		mg/Kg	1	12/6/2022 4:22:00 PM	71855
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	12/6/2022 4:22:00 PM	71855

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.		

Page 12 of 32

Analytical Report

Lab Order 2212151

Date Reported: 12/12/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-7/3

Project: Eagle Creek

Collection Date: 12/1/2022 11:29:00 AM

Lab ID: 2212151-013

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	1500	60		mg/Kg	20	12/7/2022 12:20:21 AM	71877
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/7/2022 7:09:35 PM	71866
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/7/2022 7:09:35 PM	71866
Surr: DNOP	102	21-129		%Rec	1	12/7/2022 7:09:35 PM	71866
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/6/2022 4:42:00 PM	71855
Surr: BFB	102	37.7-212		%Rec	1	12/6/2022 4:42:00 PM	71855
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	12/6/2022 4:42:00 PM	71855
Toluene	ND	0.050		mg/Kg	1	12/6/2022 4:42:00 PM	71855
Ethylbenzene	ND	0.050		mg/Kg	1	12/6/2022 4:42:00 PM	71855
Xylenes, Total	ND	0.099		mg/Kg	1	12/6/2022 4:42:00 PM	71855
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	12/6/2022 4:42:00 PM	71855

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.		

Page 13 of 32

Analytical Report

Lab Order 2212151

Date Reported: 12/12/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-7/4

Project: Eagle Creek

Collection Date: 12/1/2022 11:31:00 AM

Lab ID: 2212151-014

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	1100	60		mg/Kg	20	12/7/2022 12:32:46 AM	71877
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/7/2022 7:33:46 PM	71866
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/7/2022 7:33:46 PM	71866
Surr: DNOP	107	21-129		%Rec	1	12/7/2022 7:33:46 PM	71866
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/6/2022 5:01:00 PM	71855
Surr: BFB	101	37.7-212		%Rec	1	12/6/2022 5:01:00 PM	71855
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	12/6/2022 5:01:00 PM	71855
Toluene	ND	0.050		mg/Kg	1	12/6/2022 5:01:00 PM	71855
Ethylbenzene	ND	0.050		mg/Kg	1	12/6/2022 5:01:00 PM	71855
Xylenes, Total	ND	0.10		mg/Kg	1	12/6/2022 5:01:00 PM	71855
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	12/6/2022 5:01:00 PM	71855

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.		

Page 14 of 32

Analytical Report

Lab Order 2212151

Date Reported: 12/12/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-8/3

Project: Eagle Creek

Collection Date: 12/1/2022 11:40:00 AM

Lab ID: 2212151-015

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	ND	60		mg/Kg	20	12/7/2022 12:06:09 PM	71903
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/7/2022 7:57:59 PM	71866
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/7/2022 7:57:59 PM	71866
Surr: DNOP	88.3	21-129		%Rec	1	12/7/2022 7:57:59 PM	71866
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/6/2022 5:21:00 PM	71855
Surr: BFB	99.7	37.7-212		%Rec	1	12/6/2022 5:21:00 PM	71855
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	12/6/2022 5:21:00 PM	71855
Toluene	ND	0.050		mg/Kg	1	12/6/2022 5:21:00 PM	71855
Ethylbenzene	ND	0.050		mg/Kg	1	12/6/2022 5:21:00 PM	71855
Xylenes, Total	ND	0.099		mg/Kg	1	12/6/2022 5:21:00 PM	71855
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	12/6/2022 5:21:00 PM	71855

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.		

Page 15 of 32

Analytical Report

Lab Order 2212151

Date Reported: 12/12/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-8/4

Project: Eagle Creek

Collection Date: 12/1/2022 11:42:00 AM

Lab ID: 2212151-016

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	ND	60		mg/Kg	20	12/7/2022 12:18:34 PM	71903
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/8/2022 3:03:09 PM	71866
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/8/2022 3:03:09 PM	71866
Surr: DNOP	112	21-129		%Rec	1	12/8/2022 3:03:09 PM	71866
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/6/2022 5:41:00 PM	71855
Surr: BFB	102	37.7-212		%Rec	1	12/6/2022 5:41:00 PM	71855
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	12/6/2022 5:41:00 PM	71855
Toluene	ND	0.049		mg/Kg	1	12/6/2022 5:41:00 PM	71855
Ethylbenzene	ND	0.049		mg/Kg	1	12/6/2022 5:41:00 PM	71855
Xylenes, Total	ND	0.099		mg/Kg	1	12/6/2022 5:41:00 PM	71855
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	12/6/2022 5:41:00 PM	71855

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.		

Page 16 of 32

Analytical Report

Lab Order 2212151

Date Reported: 12/12/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-9/1

Project: Eagle Creek

Collection Date: 12/1/2022 11:59:00 AM

Lab ID: 2212151-017

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	350	60		mg/Kg	20	12/7/2022 12:30:58 PM	71903
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/7/2022 9:58:38 PM	71871
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/7/2022 9:58:38 PM	71871
Surr: DNOP	80.4	21-129		%Rec	1	12/7/2022 9:58:38 PM	71871
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/6/2022 6:00:00 PM	71855
Surr: BFB	99.9	37.7-212		%Rec	1	12/6/2022 6:00:00 PM	71855
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	12/6/2022 6:00:00 PM	71855
Toluene	ND	0.050		mg/Kg	1	12/6/2022 6:00:00 PM	71855
Ethylbenzene	ND	0.050		mg/Kg	1	12/6/2022 6:00:00 PM	71855
Xylenes, Total	ND	0.10		mg/Kg	1	12/6/2022 6:00:00 PM	71855
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	12/6/2022 6:00:00 PM	71855

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.		

Page 17 of 32

Analytical Report

Lab Order 2212151

Date Reported: 12/12/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-9/4

Project: Eagle Creek

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

Lab ID: 2212151-018

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	380	60		mg/Kg	20	12/7/2022 1:08:10 PM	71903
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/7/2022 10:22:48 PM	71871
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/7/2022 10:22:48 PM	71871
Surr: DNOP	77.8	21-129		%Rec	1	12/7/2022 10:22:48 PM	71871
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/6/2022 6:20:00 PM	71855
Surr: BFB	101	37.7-212		%Rec	1	12/6/2022 6:20:00 PM	71855
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	12/6/2022 6:20:00 PM	71855
Toluene	ND	0.050		mg/Kg	1	12/6/2022 6:20:00 PM	71855
Ethylbenzene	ND	0.050		mg/Kg	1	12/6/2022 6:20:00 PM	71855
Xylenes, Total	ND	0.10		mg/Kg	1	12/6/2022 6:20:00 PM	71855
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	12/6/2022 6:20:00 PM	71855

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.		

Page 18 of 32

Analytical Report

Lab Order 2212151

Date Reported: 12/12/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-10/0

Project: Eagle Creek

Collection Date: 12/1/2022 12:45:00 PM

Lab ID: 2212151-019

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	ND	60		mg/Kg	20	12/7/2022 1:45:23 PM	71903
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/7/2022 11:34:55 PM	71871
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/7/2022 11:34:55 PM	71871
Surr: DNOP	116	21-129		%Rec	1	12/7/2022 11:34:55 PM	71871
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/6/2022 6:40:00 PM	71855
Surr: BFB	101	37.7-212		%Rec	1	12/6/2022 6:40:00 PM	71855
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	12/6/2022 6:40:00 PM	71855
Toluene	ND	0.049		mg/Kg	1	12/6/2022 6:40:00 PM	71855
Ethylbenzene	ND	0.049		mg/Kg	1	12/6/2022 6:40:00 PM	71855
Xylenes, Total	ND	0.099		mg/Kg	1	12/6/2022 6:40:00 PM	71855
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	12/6/2022 6:40:00 PM	71855

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.		

Page 19 of 32

Analytical Report

Lab Order 2212151

Date Reported: 12/12/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-10/4

Project: Eagle Creek

Collection Date: 12/1/2022 12:53:00 PM

Lab ID: 2212151-020

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	ND	60		mg/Kg	20	12/7/2022 1:57:47 PM	71903
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/7/2022 11:59:05 PM	71871
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/7/2022 11:59:05 PM	71871
Surr: DNOP	91.0	21-129		%Rec	1	12/7/2022 11:59:05 PM	71871
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/6/2022 6:59:00 PM	71855
Surr: BFB	101	37.7-212		%Rec	1	12/6/2022 6:59:00 PM	71855
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	12/6/2022 6:59:00 PM	71855
Toluene	ND	0.050		mg/Kg	1	12/6/2022 6:59:00 PM	71855
Ethylbenzene	ND	0.050		mg/Kg	1	12/6/2022 6:59:00 PM	71855
Xylenes, Total	ND	0.099		mg/Kg	1	12/6/2022 6:59:00 PM	71855
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	12/6/2022 6:59:00 PM	71855

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.		

Page 20 of 32

Analytical Report

Lab Order 2212151

Date Reported: 12/12/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-11/3

Project: Eagle Creek

Collection Date: 12/1/2022 1:14:00 PM

Lab ID: 2212151-021

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	ND	60		mg/Kg	20	12/7/2022 2:35:00 PM	71903
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/8/2022 12:22:56 AM	71871
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/8/2022 12:22:56 AM	71871
Surr: DNOP	89.5	21-129		%Rec	1	12/8/2022 12:22:56 AM	71871
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/6/2022 7:19:00 PM	71855
Surr: BFB	104	37.7-212		%Rec	1	12/6/2022 7:19:00 PM	71855
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	12/6/2022 7:19:00 PM	71855
Toluene	ND	0.050		mg/Kg	1	12/6/2022 7:19:00 PM	71855
Ethylbenzene	ND	0.050		mg/Kg	1	12/6/2022 7:19:00 PM	71855
Xylenes, Total	ND	0.10		mg/Kg	1	12/6/2022 7:19:00 PM	71855
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	12/6/2022 7:19:00 PM	71855

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.		

Page 21 of 32

Analytical Report

Lab Order 2212151

Date Reported: 12/12/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-11/4

Project: Eagle Creek

Collection Date: 12/1/2022 1:16:00 PM

Lab ID: 2212151-022

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	ND	60		mg/Kg	20	12/7/2022 2:47:25 PM	71903
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/8/2022 12:46:58 AM	71871
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/8/2022 12:46:58 AM	71871
Surr: DNOP	93.3	21-129		%Rec	1	12/8/2022 12:46:58 AM	71871
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/6/2022 9:17:00 PM	71856
Surr: BFB	98.8	37.7-212		%Rec	1	12/6/2022 9:17:00 PM	71856
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	12/6/2022 9:17:00 PM	71856
Toluene	ND	0.049		mg/Kg	1	12/6/2022 9:17:00 PM	71856
Ethylbenzene	ND	0.049		mg/Kg	1	12/6/2022 9:17:00 PM	71856
Xylenes, Total	ND	0.099		mg/Kg	1	12/6/2022 9:17:00 PM	71856
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	12/6/2022 9:17:00 PM	71856

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.		

Page 22 of 32

Analytical Report

Lab Order 2212151

Date Reported: 12/12/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-12/4

Project: Eagle Creek

Collection Date: 12/1/2022 1:50:00 PM

Lab ID: 2212151-023

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	140	60		mg/Kg	20	12/7/2022 2:59:49 PM	71903
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/8/2022 1:10:55 AM	71871
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/8/2022 1:10:55 AM	71871
Surr: DNOP	97.4	21-129		%Rec	1	12/8/2022 1:10:55 AM	71871
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/6/2022 10:16:00 PM	71856
Surr: BFB	103	37.7-212		%Rec	1	12/6/2022 10:16:00 PM	71856
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	12/6/2022 10:16:00 PM	71856
Toluene	ND	0.048		mg/Kg	1	12/6/2022 10:16:00 PM	71856
Ethylbenzene	ND	0.048		mg/Kg	1	12/6/2022 10:16:00 PM	71856
Xylenes, Total	ND	0.096		mg/Kg	1	12/6/2022 10:16:00 PM	71856
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	12/6/2022 10:16:00 PM	71856

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.		

Page 23 of 32

Analytical Report

Lab Order 2212151

Date Reported: 12/12/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-13/3

Project: Eagle Creek

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

Lab ID: 2212151-024

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	ND	60		mg/Kg	20	12/7/2022 3:12:14 PM	71903
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/8/2022 1:35:22 AM	71871
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/8/2022 1:35:22 AM	71871
Surr: DNOP	97.2	21-129		%Rec	1	12/8/2022 1:35:22 AM	71871
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/6/2022 11:15:00 PM	71856
Surr: BFB	106	37.7-212		%Rec	1	12/6/2022 11:15:00 PM	71856
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	12/6/2022 11:15:00 PM	71856
Toluene	ND	0.047		mg/Kg	1	12/6/2022 11:15:00 PM	71856
Ethylbenzene	ND	0.047		mg/Kg	1	12/6/2022 11:15:00 PM	71856
Xylenes, Total	ND	0.095		mg/Kg	1	12/6/2022 11:15:00 PM	71856
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	12/6/2022 11:15:00 PM	71856

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.		

Page 24 of 32

Analytical Report

Lab Order 2212151

Date Reported: 12/12/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-13/4

Project: Eagle Creek

Collection Date: 12/1/2022 2:02:00 PM

Lab ID: 2212151-025

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	380	60		mg/Kg	20	12/7/2022 3:24:38 PM	71903
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/8/2022 1:59:18 AM	71871
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/8/2022 1:59:18 AM	71871
Surr: DNOP	90.3	21-129		%Rec	1	12/8/2022 1:59:18 AM	71871
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/6/2022 11:35:00 PM	71856
Surr: BFB	103	37.7-212		%Rec	1	12/6/2022 11:35:00 PM	71856
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	12/6/2022 11:35:00 PM	71856
Toluene	ND	0.049		mg/Kg	1	12/6/2022 11:35:00 PM	71856
Ethylbenzene	ND	0.049		mg/Kg	1	12/6/2022 11:35:00 PM	71856
Xylenes, Total	ND	0.098		mg/Kg	1	12/6/2022 11:35:00 PM	71856
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	12/6/2022 11:35:00 PM	71856

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.		

Page 25 of 32

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

WO#: 2212151

12-Dec-22

Client: EOG
Project: Eagle Creek

Sample ID: LCS-71877	SampType: LCS			TestCode: EPA Method 300.0: Anions						
Client ID: LCSS	Batch ID: 71877			RunNo: 93065						
Prep Date: 12/6/2022	Analysis Date: 12/6/2022			SeqNo: 3351720		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.4	90	110			

Sample ID: MB-71876	SampType: MBLK			TestCode: EPA Method 300.0: Anions						
Client ID: PBS	Batch ID: 71876			RunNo: 93070						
Prep Date: 12/6/2022	Analysis Date: 12/6/2022			SeqNo: 3351894		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-71876	SampType: LCS			TestCode: EPA Method 300.0: Anions						
Client ID: LCSS	Batch ID: 71876			RunNo: 93070						
Prep Date: 12/6/2022	Analysis Date: 12/6/2022			SeqNo: 3351895		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.7	90	110			

Sample ID: MB-71903	SampType: MBLK			TestCode: EPA Method 300.0: Anions						
Client ID: PBS	Batch ID: 71903			RunNo: 93106						
Prep Date: 12/7/2022	Analysis Date: 12/7/2022			SeqNo: 3353797		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-71903	SampType: LCS			TestCode: EPA Method 300.0: Anions						
Client ID: LCSS	Batch ID: 71903			RunNo: 93106						
Prep Date: 12/7/2022	Analysis Date: 12/7/2022			SeqNo: 3353798		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.9	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#: 2212151

12-Dec-22

Client: EOG
Project: Eagle Creek

Sample ID: LCS-71866	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 71866		RunNo: 93068							
Prep Date: 12/6/2022	Analysis Date: 12/7/2022		SeqNo: 3353781		Units: mg/Kg					
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: LCS-71871	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 71871		RunNo: 93068							
Prep Date: 12/6/2022	Analysis Date: 12/7/2022		SeqNo: 3353782		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	15	50.00	0	87.3	64.4	127			
Surr: DNOP	3.7		5.000		73.5	21	129			

Sample ID: MB-71866	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 71866		RunNo: 93068							
Prep Date: 12/6/2022	Analysis Date: 12/7/2022		SeqNo: 3353784		Units: mg/Kg					
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			

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: mg/Kg					
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	9.2		10.00		92.4	21	129			

Sample ID: LCS-71924	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 71924		RunNo: 93157							
Prep Date: 12/7/2022	Analysis Date: 12/8/2022		SeqNo: 3356261		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	7.3		5.000		146	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#: 2212151
12-Dec-22

Client: EOG
Project: Eagle Creek

Sample ID: MB-71924	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 71924	RunNo: 93157								
Prep Date: 12/7/2022	Analysis Date: 12/8/2022	SeqNo: 3356262		Units: %Rec						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	14		10.00		144	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

Page 28 of 32

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

WO#: 2212151

12-Dec-22

Client: EOG
Project: Eagle Creek

Sample ID: mb-71848	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 71848	RunNo: 93052								
Prep Date: 12/5/2022	Analysis Date: 12/6/2022	SeqNo: 3351277 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	900		1000		90.5	37.7	212			

Sample ID: lcs-71848	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 71848	RunNo: 93052								
Prep Date: 12/5/2022	Analysis Date: 12/6/2022	SeqNo: 3351278 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	103	72.3	137			
Surr: BFB	1900		1000		192	37.7	212			

Sample ID: lcs-71855	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 71855	RunNo: 93059								
Prep Date: 12/5/2022	Analysis Date: 12/6/2022	SeqNo: 3351466 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	92.5	72.3	137			
Surr: BFB	2000		1000		199	37.7	212			

Sample ID: mb-71855	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 71855	RunNo: 93059								
Prep Date: 12/5/2022	Analysis Date: 12/6/2022	SeqNo: 3351467 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	960		1000		96.0	37.7	212			

Sample ID: lcs-71856	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 71856	RunNo: 93059								
Prep Date: 12/5/2022	Analysis Date: 12/6/2022	SeqNo: 3351489 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	96.5	72.3	137			
Surr: BFB	2200		1000		217	37.7	212			S

Sample ID: mb-71856	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 71856	RunNo: 93059								
Prep Date: 12/5/2022	Analysis Date: 12/6/2022	SeqNo: 3351490 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of 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#: 2212151

12-Dec-22

Client: EOG

Project: Eagle Creek

Sample ID: mb-71856	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 71856	RunNo: 93059								
Prep Date: 12/5/2022	Analysis Date: 12/6/2022	SeqNo: 3351490		Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		101	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#: 2212151

12-Dec-22

Client: EOG
Project: Eagle Creek

Sample ID: mb-71848	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 71848		RunNo: 93052							
Prep Date: 12/5/2022	Analysis Date: 12/6/2022		SeqNo: 3351305		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.91		1.000		91.3	70	130			

Sample ID: LCS-71848	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 71848		RunNo: 93052							
Prep Date: 12/5/2022	Analysis Date: 12/6/2022		SeqNo: 3351306		Units: mg/Kg					
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			

Sample ID: lcs-71855	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 71855		RunNo: 93059							
Prep Date: 12/5/2022	Analysis Date: 12/6/2022		SeqNo: 3351629		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.85	0.025	1.000	0	85.4	80	120			
Toluene	0.87	0.050	1.000	0	86.8	80	120			
Ethylbenzene	0.86	0.050	1.000	0	85.7	80	120			
Xylenes, Total	2.6	0.10	3.000	0	85.4	80	120			
Surr: 4-Bromofluorobenzene	0.96		1.000		95.7	70	130			

Sample ID: mb-71855	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 71855		RunNo: 93059							
Prep Date: 12/5/2022	Analysis Date: 12/6/2022		SeqNo: 3351630		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.97		1.000		96.7	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

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

WO#: 2212151

12-Dec-22

Client: EOG
Project: Eagle Creek

Sample ID: lcs-71856	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 71856		RunNo: 93059							
Prep Date: 12/5/2022	Analysis Date: 12/6/2022		SeqNo: 3351667		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.025	1.000	0	97.3	80	120			
Toluene	1.0	0.050	1.000	0	99.7	80	120			
Ethylbenzene	1.0	0.050	1.000	0	99.9	80	120			
Xylenes, Total	3.0	0.10	3.000	0	100	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		105	70	130			

Sample ID: mb-71856	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 71856		RunNo: 93059							
Prep Date: 12/5/2022	Analysis Date: 12/6/2022		SeqNo: 3351669		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		106	70	130			

Qualifiers:

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

Page 32 of 32



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: 2212151

RcptNo: 1

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

Completed By: Tracy Casarrubias 12/3/2022 9:19:10 AM

Reviewed By: *ju 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°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: *ju 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			

Client: EOG-Artesia / Ranger Env.

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

Ranger: PO Box 201179, Austin TX 78720

Phone #: 521-335-1785

email or Fax#: Will@RangerEnv.com

QA/QC Package:

Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

NELAC ☐ Other

EDD (Type) Excel

Turn-Around Time:

Standard ☒

Rush ☒

5-day

Project Name:

Eagle Creek

Project #: 5375

Project Manager: W. Kierdorf

Sampler: W. Kennedy

On Ice: ☒ Yes ☐ No

of Coolers: 1

Cooler Temp (including CF): 4.7-4.8=4.75

Container Type and #

Preservative Type

HEAL No.

221215P

1x66.3oz ZrCe

001

002

003

004

005

006

007

008

009

010

011

012

Sample Name

TH-1/3

TH-1/4

TH-2/3

TH-2/4

TH-3/6

TH-3/4

TH-4/3

TH-4/4

TH-5/1

TH-5/4

TH-6/1

TH-6/4

Date

12/1/22

0914

0916

0946

0948

1000

1069

1034

1036

1052

1058

1106

1112

Matrix

Soil

Date

12/1/22

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

December 30, 2022

Will Kierdorf

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX:

RE: Eagle Creek PL

OrderNo.: 2212D35

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 44 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 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 2212D35

Date Reported: 12/30/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WW-1

Project: Eagle Creek PL

Collection Date: 12/21/2022 3:15:00 PM

Lab ID: 2212D35-001

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	160	60		mg/Kg	20	12/27/2022 11:22:25 PM	72332
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/28/2022 12:13:39 PM	72331
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/28/2022 12:13:39 PM	72331
Surr: DNOP	105	21-129		%Rec	1	12/28/2022 12:13:39 PM	72331
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/28/2022 2:56:00 AM	72306
Surr: BFB	108	37.7-212		%Rec	1	12/28/2022 2:56:00 AM	72306
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	12/28/2022 2:56:00 AM	72306
Toluene	ND	0.050		mg/Kg	1	12/28/2022 2:56:00 AM	72306
Ethylbenzene	ND	0.050		mg/Kg	1	12/28/2022 2:56:00 AM	72306
Xylenes, Total	ND	0.099		mg/Kg	1	12/28/2022 2:56:00 AM	72306
Surr: 4-Bromofluorobenzene	117	70-130		%Rec	1	12/28/2022 2:56:00 AM	72306

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.		

Page 1 of 51

Analytical Report

Lab Order 2212D35

Date Reported: 12/30/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WW-2

Project: Eagle Creek PL

Collection Date: 12/21/2022 3:18:00 PM

Lab ID: 2212D35-002

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	540	60		mg/Kg	20	12/27/2022 11:59:39 PM	72332
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/28/2022 12:28:31 PM	72331
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	12/28/2022 12:28:31 PM	72331
Surr: DNOP	90.6	21-129		%Rec	1	12/28/2022 12:28:31 PM	72331
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/28/2022 3:16:00 AM	72306
Surr: BFB	108	37.7-212		%Rec	1	12/28/2022 3:16:00 AM	72306
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	12/28/2022 3:16:00 AM	72306
Toluene	ND	0.050		mg/Kg	1	12/28/2022 3:16:00 AM	72306
Ethylbenzene	ND	0.050		mg/Kg	1	12/28/2022 3:16:00 AM	72306
Xylenes, Total	ND	0.099		mg/Kg	1	12/28/2022 3:16:00 AM	72306
Surr: 4-Bromofluorobenzene	118	70-130		%Rec	1	12/28/2022 3:16:00 AM	72306

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.		

Page 2 of 51

Analytical Report

Lab Order 2212D35

Date Reported: 12/30/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WW-3

Project: Eagle Creek PL

Collection Date: 12/21/2022 3:20:00 PM

Lab ID: 2212D35-003

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	170	60		mg/Kg	20	12/28/2022 12:12:04 AM	72332
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/28/2022 12:43:00 PM	72331
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/28/2022 12:43:00 PM	72331
Surr: DNOP	84.3	21-129		%Rec	1	12/28/2022 12:43:00 PM	72331
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/28/2022 3:36:00 AM	72306
Surr: BFB	108	37.7-212		%Rec	1	12/28/2022 3:36:00 AM	72306
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	12/28/2022 3:36:00 AM	72306
Toluene	ND	0.050		mg/Kg	1	12/28/2022 3:36:00 AM	72306
Ethylbenzene	ND	0.050		mg/Kg	1	12/28/2022 3:36:00 AM	72306
Xylenes, Total	ND	0.10		mg/Kg	1	12/28/2022 3:36:00 AM	72306
Surr: 4-Bromofluorobenzene	113	70-130		%Rec	1	12/28/2022 3:36:00 AM	72306

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.		

Page 3 of 51

Analytical Report

Lab Order 2212D35

Date Reported: 12/30/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WW-4

Project: Eagle Creek PL

Collection Date: 12/21/2022 3:22:00 PM

Lab ID: 2212D35-004

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	74	60		mg/Kg	20	12/28/2022 12:24:29 AM	72332
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/28/2022 12:56:29 PM	72331
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/28/2022 12:56:29 PM	72331
Surr: DNOP	93.4	21-129		%Rec	1	12/28/2022 12:56:29 PM	72331
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/28/2022 3:55:00 AM	72306
Surr: BFB	109	37.7-212		%Rec	1	12/28/2022 3:55:00 AM	72306
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	12/28/2022 3:55:00 AM	72306
Toluene	ND	0.050		mg/Kg	1	12/28/2022 3:55:00 AM	72306
Ethylbenzene	ND	0.050		mg/Kg	1	12/28/2022 3:55:00 AM	72306
Xylenes, Total	ND	0.10		mg/Kg	1	12/28/2022 3:55:00 AM	72306
Surr: 4-Bromofluorobenzene	119	70-130		%Rec	1	12/28/2022 3:55:00 AM	72306

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.		

Page 4 of 51

Analytical Report

Lab Order 2212D35

Date Reported: 12/30/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WW-5

Project: Eagle Creek PL

Collection Date: 12/21/2022 3:24:00 PM

Lab ID: 2212D35-005

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	76	61		mg/Kg	20	12/28/2022 12:36:53 AM	72332
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	12/28/2022 1:09:36 PM	72331
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	12/28/2022 1:09:36 PM	72331
Surr: DNOP	94.4	21-129		%Rec	1	12/28/2022 1:09:36 PM	72331
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/28/2022 4:15:00 AM	72306
Surr: BFB	99.7	37.7-212		%Rec	1	12/28/2022 4:15:00 AM	72306
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	12/28/2022 4:15:00 AM	72306
Toluene	ND	0.050		mg/Kg	1	12/28/2022 4:15:00 AM	72306
Ethylbenzene	ND	0.050		mg/Kg	1	12/28/2022 4:15:00 AM	72306
Xylenes, Total	ND	0.099		mg/Kg	1	12/28/2022 4:15:00 AM	72306
Surr: 4-Bromofluorobenzene	111	70-130		%Rec	1	12/28/2022 4:15:00 AM	72306

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.		

Page 5 of 51

Analytical Report

Lab Order 2212D35

Date Reported: 12/30/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WW-6

Project: Eagle Creek PL

Collection Date: 12/21/2022 3:26:00 PM

Lab ID: 2212D35-006

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	300	60		mg/Kg	20	12/28/2022 12:49:18 AM	72332
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/28/2022 1:23:26 PM	72331
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/28/2022 1:23:26 PM	72331
Surr: DNOP	97.7	21-129		%Rec	1	12/28/2022 1:23:26 PM	72331
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/28/2022 4:35:00 AM	72306
Surr: BFB	107	37.7-212		%Rec	1	12/28/2022 4:35:00 AM	72306
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	12/28/2022 4:35:00 AM	72306
Toluene	ND	0.050		mg/Kg	1	12/28/2022 4:35:00 AM	72306
Ethylbenzene	ND	0.050		mg/Kg	1	12/28/2022 4:35:00 AM	72306
Xylenes, Total	ND	0.10		mg/Kg	1	12/28/2022 4:35:00 AM	72306
Surr: 4-Bromofluorobenzene	116	70-130		%Rec	1	12/28/2022 4:35:00 AM	72306

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.		

Page 6 of 51

Analytical Report

Lab Order 2212D35

Date Reported: 12/30/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WW-7

Project: Eagle Creek PL

Collection Date: 12/21/2022 3:28:00 PM

Lab ID: 2212D35-007

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	74	60		mg/Kg	20	12/28/2022 1:01:43 AM	72332
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/28/2022 1:37:23 PM	72331
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/28/2022 1:37:23 PM	72331
Surr: DNOP	79.7	21-129		%Rec	1	12/28/2022 1:37:23 PM	72331
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/28/2022 4:55:00 AM	72306
Surr: BFB	104	37.7-212		%Rec	1	12/28/2022 4:55:00 AM	72306
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	12/28/2022 4:55:00 AM	72306
Toluene	ND	0.050		mg/Kg	1	12/28/2022 4:55:00 AM	72306
Ethylbenzene	ND	0.050		mg/Kg	1	12/28/2022 4:55:00 AM	72306
Xylenes, Total	ND	0.10		mg/Kg	1	12/28/2022 4:55:00 AM	72306
Surr: 4-Bromofluorobenzene	116	70-130		%Rec	1	12/28/2022 4:55:00 AM	72306

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.		

Page 7 of 51

Analytical Report

Lab Order 2212D35

Date Reported: 12/30/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WB-1

Project: Eagle Creek PL

Collection Date: 12/21/2022 3:40:00 PM

Lab ID: 2212D35-008

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	270	60		mg/Kg	20	12/28/2022 1:14:07 AM	72332
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/28/2022 1:51:24 PM	72331
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	12/28/2022 1:51:24 PM	72331
Surr: DNOP	70.4	21-129		%Rec	1	12/28/2022 1:51:24 PM	72331
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/28/2022 5:14:00 AM	72306
Surr: BFB	111	37.7-212		%Rec	1	12/28/2022 5:14:00 AM	72306
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	12/28/2022 5:14:00 AM	72306
Toluene	ND	0.050		mg/Kg	1	12/28/2022 5:14:00 AM	72306
Ethylbenzene	ND	0.050		mg/Kg	1	12/28/2022 5:14:00 AM	72306
Xylenes, Total	ND	0.099		mg/Kg	1	12/28/2022 5:14:00 AM	72306
Surr: 4-Bromofluorobenzene	117	70-130		%Rec	1	12/28/2022 5:14:00 AM	72306

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.		

Page 8 of 51

Analytical Report

Lab Order 2212D35

Date Reported: 12/30/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WB-2

Project: Eagle Creek PL

Collection Date: 12/21/2022 3:42:00 PM

Lab ID: 2212D35-009

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	320	60		mg/Kg	20	12/28/2022 1:51:20 AM	72332
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/28/2022 2:05:24 PM	72331
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/28/2022 2:05:24 PM	72331
Surr: DNOP	80.4	21-129		%Rec	1	12/28/2022 2:05:24 PM	72331
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/28/2022 5:34:00 AM	72306
Surr: BFB	110	37.7-212		%Rec	1	12/28/2022 5:34:00 AM	72306
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	12/28/2022 5:34:00 AM	72306
Toluene	ND	0.050		mg/Kg	1	12/28/2022 5:34:00 AM	72306
Ethylbenzene	ND	0.050		mg/Kg	1	12/28/2022 5:34:00 AM	72306
Xylenes, Total	ND	0.10		mg/Kg	1	12/28/2022 5:34:00 AM	72306
Surr: 4-Bromofluorobenzene	119	70-130		%Rec	1	12/28/2022 5:34:00 AM	72306

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.		

Page 9 of 51

Analytical Report

Lab Order 2212D35

Date Reported: 12/30/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WB-3

Project: Eagle Creek PL

Collection Date: 12/21/2022 3:44:00 PM

Lab ID: 2212D35-010

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	460	60		mg/Kg	20	12/28/2022 2:03:44 AM	72332
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/28/2022 2:18:59 PM	72331
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/28/2022 2:18:59 PM	72331
Surr: DNOP	72.5	21-129		%Rec	1	12/28/2022 2:18:59 PM	72331
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/28/2022 5:54:00 AM	72306
Surr: BFB	110	37.7-212		%Rec	1	12/28/2022 5:54:00 AM	72306
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	12/28/2022 5:54:00 AM	72306
Toluene	ND	0.049		mg/Kg	1	12/28/2022 5:54:00 AM	72306
Ethylbenzene	ND	0.049		mg/Kg	1	12/28/2022 5:54:00 AM	72306
Xylenes, Total	ND	0.099		mg/Kg	1	12/28/2022 5:54:00 AM	72306
Surr: 4-Bromofluorobenzene	122	70-130		%Rec	1	12/28/2022 5:54:00 AM	72306

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.		

Page 10 of 51

Analytical Report

Lab Order 2212D35

Date Reported: 12/30/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WB-4

Project: Eagle Creek PL

Collection Date: 12/21/2022 3:46:00 PM

Lab ID: 2212D35-011

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	370	60		mg/Kg	20	12/28/2022 1:29:37 PM	72350
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/28/2022 3:13:37 PM	72340
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/28/2022 3:13:37 PM	72340
Surr: DNOP	68.1	21-129		%Rec	1	12/28/2022 3:13:37 PM	72340
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/27/2022 8:21:51 PM	72308
Surr: BFB	93.1	37.7-212		%Rec	1	12/27/2022 8:21:51 PM	72308
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	12/27/2022 8:21:51 PM	72308
Toluene	ND	0.050		mg/Kg	1	12/27/2022 8:21:51 PM	72308
Ethylbenzene	ND	0.050		mg/Kg	1	12/27/2022 8:21:51 PM	72308
Xylenes, Total	ND	0.10		mg/Kg	1	12/27/2022 8:21:51 PM	72308
Surr: 4-Bromofluorobenzene	88.6	70-130		%Rec	1	12/27/2022 8:21:51 PM	72308

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.		

Page 11 of 51

Analytical Report

Lab Order 2212D35

Date Reported: 12/30/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WB-5

Project: Eagle Creek PL

Collection Date: 12/21/2022 3:48:00 PM

Lab ID: 2212D35-012

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	360	60		mg/Kg	20	12/28/2022 1:41:58 PM	72350
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/28/2022 3:55:15 PM	72340
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/28/2022 3:55:15 PM	72340
Surr: DNOP	67.0	21-129		%Rec	1	12/28/2022 3:55:15 PM	72340
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/27/2022 9:32:40 PM	72308
Surr: BFB	90.9	37.7-212		%Rec	1	12/27/2022 9:32:40 PM	72308
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	12/27/2022 9:32:40 PM	72308
Toluene	ND	0.050		mg/Kg	1	12/27/2022 9:32:40 PM	72308
Ethylbenzene	ND	0.050		mg/Kg	1	12/27/2022 9:32:40 PM	72308
Xylenes, Total	ND	0.10		mg/Kg	1	12/27/2022 9:32:40 PM	72308
Surr: 4-Bromofluorobenzene	85.5	70-130		%Rec	1	12/27/2022 9:32:40 PM	72308

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.		

Page 12 of 51

Analytical Report

Lab Order 2212D35

Date Reported: 12/30/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WB-6

Project: Eagle Creek PL

Collection Date: 12/21/2022 3:50:00 PM

Lab ID: 2212D35-013

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	360	59		mg/Kg	20	12/28/2022 1:54:19 PM	72350
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/28/2022 4:09:09 PM	72340
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/28/2022 4:09:09 PM	72340
Surr: DNOP	67.5	21-129		%Rec	1	12/28/2022 4:09:09 PM	72340
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/27/2022 10:43:28 PM	72308
Surr: BFB	92.0	37.7-212		%Rec	1	12/27/2022 10:43:28 PM	72308
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	12/27/2022 10:43:28 PM	72308
Toluene	ND	0.049		mg/Kg	1	12/27/2022 10:43:28 PM	72308
Ethylbenzene	ND	0.049		mg/Kg	1	12/27/2022 10:43:28 PM	72308
Xylenes, Total	ND	0.098		mg/Kg	1	12/27/2022 10:43:28 PM	72308
Surr: 4-Bromofluorobenzene	86.6	70-130		%Rec	1	12/27/2022 10:43:28 PM	72308

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.		

Page 13 of 51

Analytical Report

Lab Order 2212D35

Date Reported: 12/30/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WB-7

Project: Eagle Creek PL

Collection Date: 12/21/2022 3:52:00 PM

Lab ID: 2212D35-014

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	340	59		mg/Kg	20	12/28/2022 2:06:40 PM	72350
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/28/2022 4:22:57 PM	72340
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	12/28/2022 4:22:57 PM	72340
Surr: DNOP	68.7	21-129		%Rec	1	12/28/2022 4:22:57 PM	72340
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/27/2022 11:06:50 PM	72308
Surr: BFB	95.3	37.7-212		%Rec	1	12/27/2022 11:06:50 PM	72308
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	12/27/2022 11:06:50 PM	72308
Toluene	ND	0.050		mg/Kg	1	12/27/2022 11:06:50 PM	72308
Ethylbenzene	ND	0.050		mg/Kg	1	12/27/2022 11:06:50 PM	72308
Xylenes, Total	ND	0.10		mg/Kg	1	12/27/2022 11:06:50 PM	72308
Surr: 4-Bromofluorobenzene	89.1	70-130		%Rec	1	12/27/2022 11:06:50 PM	72308

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.		

Page 14 of 51

Analytical Report

Lab Order 2212D35

Date Reported: 12/30/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WB-8

Project: Eagle Creek PL

Collection Date: 12/21/2022 3:54:00 PM

Lab ID: 2212D35-015

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	390	60		mg/Kg	20	12/28/2022 2:19:00 PM	72350
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/28/2022 4:37:15 PM	72340
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/28/2022 4:37:15 PM	72340
Surr: DNOP	68.8	21-129		%Rec	1	12/28/2022 4:37:15 PM	72340
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/27/2022 11:30:24 PM	72308
Surr: BFB	93.6	37.7-212		%Rec	1	12/27/2022 11:30:24 PM	72308
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	12/27/2022 11:30:24 PM	72308
Toluene	ND	0.050		mg/Kg	1	12/27/2022 11:30:24 PM	72308
Ethylbenzene	ND	0.050		mg/Kg	1	12/27/2022 11:30:24 PM	72308
Xylenes, Total	ND	0.099		mg/Kg	1	12/27/2022 11:30:24 PM	72308
Surr: 4-Bromofluorobenzene	88.0	70-130		%Rec	1	12/27/2022 11:30:24 PM	72308

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.		

Page 15 of 51

Analytical Report

Lab Order 2212D35

Date Reported: 12/30/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WB-9

Project: Eagle Creek PL

Collection Date: 12/21/2022 3:56:00 PM

Lab ID: 2212D35-016

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	360	60		mg/Kg	20	12/28/2022 2:31:22 PM	72350
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/28/2022 4:51:41 PM	72340
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/28/2022 4:51:41 PM	72340
Surr: DNOP	65.2	21-129		%Rec	1	12/28/2022 4:51:41 PM	72340
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/27/2022 11:54:01 PM	72308
Surr: BFB	94.1	37.7-212		%Rec	1	12/27/2022 11:54:01 PM	72308
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	12/27/2022 11:54:01 PM	72308
Toluene	ND	0.049		mg/Kg	1	12/27/2022 11:54:01 PM	72308
Ethylbenzene	ND	0.049		mg/Kg	1	12/27/2022 11:54:01 PM	72308
Xylenes, Total	ND	0.099		mg/Kg	1	12/27/2022 11:54:01 PM	72308
Surr: 4-Bromofluorobenzene	87.6	70-130		%Rec	1	12/27/2022 11:54:01 PM	72308

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.		

Page 16 of 51

Analytical Report

Lab Order 2212D35

Date Reported: 12/30/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WB-10

Project: Eagle Creek PL

Collection Date: 12/21/2022 3:58:00 PM

Lab ID: 2212D35-017

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	450	59		mg/Kg	20	12/28/2022 2:43:43 PM	72350
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/28/2022 5:05:32 PM	72340
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/28/2022 5:05:32 PM	72340
Surr: DNOP	67.4	21-129		%Rec	1	12/28/2022 5:05:32 PM	72340
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/28/2022 12:17:32 AM	72308
Surr: BFB	96.2	37.7-212		%Rec	1	12/28/2022 12:17:32 AM	72308
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	12/28/2022 12:17:32 AM	72308
Toluene	ND	0.050		mg/Kg	1	12/28/2022 12:17:32 AM	72308
Ethylbenzene	ND	0.050		mg/Kg	1	12/28/2022 12:17:32 AM	72308
Xylenes, Total	ND	0.10		mg/Kg	1	12/28/2022 12:17:32 AM	72308
Surr: 4-Bromofluorobenzene	90.4	70-130		%Rec	1	12/28/2022 12:17:32 AM	72308

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.		

Page 17 of 51

Analytical Report

Lab Order 2212D35

Date Reported: 12/30/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WB-11

Project: Eagle Creek PL

Collection Date: 12/21/2022 4:00:00 PM

Lab ID: 2212D35-018

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	470	60		mg/Kg	20	12/28/2022 2:56:03 PM	72350
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/28/2022 5:19:50 PM	72340
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/28/2022 5:19:50 PM	72340
Surr: DNOP	70.6	21-129		%Rec	1	12/28/2022 5:19:50 PM	72340
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/28/2022 12:41:09 AM	72308
Surr: BFB	93.6	37.7-212		%Rec	1	12/28/2022 12:41:09 AM	72308
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	12/28/2022 12:41:09 AM	72308
Toluene	ND	0.049		mg/Kg	1	12/28/2022 12:41:09 AM	72308
Ethylbenzene	ND	0.049		mg/Kg	1	12/28/2022 12:41:09 AM	72308
Xylenes, Total	ND	0.098		mg/Kg	1	12/28/2022 12:41:09 AM	72308
Surr: 4-Bromofluorobenzene	88.0	70-130		%Rec	1	12/28/2022 12:41:09 AM	72308

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.		

Page 18 of 51

Analytical Report

Lab Order 2212D35

Date Reported: 12/30/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WB-12

Project: Eagle Creek PL

Collection Date: 12/21/2022 4:02:00 PM

Lab ID: 2212D35-019

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	330	60		mg/Kg	20	12/28/2022 3:08:25 PM	72350
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/28/2022 5:33:22 PM	72340
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	12/28/2022 5:33:22 PM	72340
Surr: DNOP	68.3	21-129		%Rec	1	12/28/2022 5:33:22 PM	72340
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/28/2022 1:04:41 AM	72308
Surr: BFB	92.7	37.7-212		%Rec	1	12/28/2022 1:04:41 AM	72308
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	12/28/2022 1:04:41 AM	72308
Toluene	ND	0.050		mg/Kg	1	12/28/2022 1:04:41 AM	72308
Ethylbenzene	ND	0.050		mg/Kg	1	12/28/2022 1:04:41 AM	72308
Xylenes, Total	ND	0.10		mg/Kg	1	12/28/2022 1:04:41 AM	72308
Surr: 4-Bromofluorobenzene	85.6	70-130		%Rec	1	12/28/2022 1:04:41 AM	72308

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.		

Page 19 of 51

Analytical Report

Lab Order 2212D35

Date Reported: 12/30/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WB-13

Project: Eagle Creek PL

Collection Date: 12/21/2022 4:04:00 PM

Lab ID: 2212D35-020

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	360	60		mg/Kg	20	12/28/2022 3:20:46 PM	72350
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/28/2022 5:46:46 PM	72340
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/28/2022 5:46:46 PM	72340
Surr: DNOP	67.4	21-129		%Rec	1	12/28/2022 5:46:46 PM	72340
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/28/2022 1:28:15 AM	72308
Surr: BFB	95.7	37.7-212		%Rec	1	12/28/2022 1:28:15 AM	72308
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	12/28/2022 1:28:15 AM	72308
Toluene	ND	0.049		mg/Kg	1	12/28/2022 1:28:15 AM	72308
Ethylbenzene	ND	0.049		mg/Kg	1	12/28/2022 1:28:15 AM	72308
Xylenes, Total	ND	0.099		mg/Kg	1	12/28/2022 1:28:15 AM	72308
Surr: 4-Bromofluorobenzene	88.9	70-130		%Rec	1	12/28/2022 1:28:15 AM	72308

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.		

Page 20 of 51

Analytical Report

Lab Order 2212D35

Date Reported: 12/30/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WB-14

Project: Eagle Creek PL

Collection Date: 12/21/2022 4:06:00 PM

Lab ID: 2212D35-021

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	380	60		mg/Kg	20	12/28/2022 3:57:49 PM	72350
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/28/2022 6:00:03 PM	72340
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/28/2022 6:00:03 PM	72340
Surr: DNOP	70.0	21-129		%Rec	1	12/28/2022 6:00:03 PM	72340
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/28/2022 2:15:34 AM	72308
Surr: BFB	94.2	37.7-212		%Rec	1	12/28/2022 2:15:34 AM	72308
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	12/28/2022 2:15:34 AM	72308
Toluene	ND	0.049		mg/Kg	1	12/28/2022 2:15:34 AM	72308
Ethylbenzene	ND	0.049		mg/Kg	1	12/28/2022 2:15:34 AM	72308
Xylenes, Total	ND	0.099		mg/Kg	1	12/28/2022 2:15:34 AM	72308
Surr: 4-Bromofluorobenzene	88.5	70-130		%Rec	1	12/28/2022 2:15:34 AM	72308

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.		

Page 21 of 51

Analytical Report

Lab Order 2212D35

Date Reported: 12/30/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WB-15

Project: Eagle Creek PL

Collection Date: 12/21/2022 4:08:00 PM

Lab ID: 2212D35-022

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	380	60		mg/Kg	20	12/28/2022 4:10:09 PM	72350
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/28/2022 6:13:12 PM	72340
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/28/2022 6:13:12 PM	72340
Surr: DNOP	67.1	21-129		%Rec	1	12/28/2022 6:13:12 PM	72340
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/28/2022 2:39:11 AM	72308
Surr: BFB	93.3	37.7-212		%Rec	1	12/28/2022 2:39:11 AM	72308
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	12/28/2022 2:39:11 AM	72308
Toluene	ND	0.050		mg/Kg	1	12/28/2022 2:39:11 AM	72308
Ethylbenzene	ND	0.050		mg/Kg	1	12/28/2022 2:39:11 AM	72308
Xylenes, Total	ND	0.099		mg/Kg	1	12/28/2022 2:39:11 AM	72308
Surr: 4-Bromofluorobenzene	86.8	70-130		%Rec	1	12/28/2022 2:39:11 AM	72308

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.		

Page 22 of 51

Analytical Report

Lab Order 2212D35

Date Reported: 12/30/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WB-16

Project: Eagle Creek PL

Collection Date: 12/21/2022 4:10:00 PM

Lab ID: 2212D35-023

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	440	60		mg/Kg	20	12/28/2022 4:22:30 PM	72350
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/28/2022 6:26:26 PM	72340
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/28/2022 6:26:26 PM	72340
Surr: DNOP	64.7	21-129		%Rec	1	12/28/2022 6:26:26 PM	72340
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/28/2022 3:02:46 AM	72308
Surr: BFB	94.1	37.7-212		%Rec	1	12/28/2022 3:02:46 AM	72308
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	12/28/2022 3:02:46 AM	72308
Toluene	ND	0.050		mg/Kg	1	12/28/2022 3:02:46 AM	72308
Ethylbenzene	ND	0.050		mg/Kg	1	12/28/2022 3:02:46 AM	72308
Xylenes, Total	ND	0.10		mg/Kg	1	12/28/2022 3:02:46 AM	72308
Surr: 4-Bromofluorobenzene	87.3	70-130		%Rec	1	12/28/2022 3:02:46 AM	72308

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.		

Page 23 of 51

Analytical Report

Lab Order 2212D35

Date Reported: 12/30/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WB-17

Project: Eagle Creek PL

Collection Date: 12/21/2022 4:12:00 PM

Lab ID: 2212D35-024

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	380	60		mg/Kg	20	12/28/2022 4:34:52 PM	72350
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/28/2022 6:39:27 PM	72340
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/28/2022 6:39:27 PM	72340
Surr: DNOP	71.0	21-129		%Rec	1	12/28/2022 6:39:27 PM	72340
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/28/2022 3:26:16 AM	72308
Surr: BFB	95.0	37.7-212		%Rec	1	12/28/2022 3:26:16 AM	72308
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	12/28/2022 3:26:16 AM	72308
Toluene	ND	0.049		mg/Kg	1	12/28/2022 3:26:16 AM	72308
Ethylbenzene	ND	0.049		mg/Kg	1	12/28/2022 3:26:16 AM	72308
Xylenes, Total	ND	0.099		mg/Kg	1	12/28/2022 3:26:16 AM	72308
Surr: 4-Bromofluorobenzene	88.9	70-130		%Rec	1	12/28/2022 3:26:16 AM	72308

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.		

Page 24 of 51

Analytical Report

Lab Order 2212D35

Date Reported: 12/30/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WB-18

Project: Eagle Creek PL

Collection Date: 12/21/2022 4:14:00 PM

Lab ID: 2212D35-025

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	340	60		mg/Kg	20	12/28/2022 4:47:13 PM	72350
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/28/2022 6:52:29 PM	72340
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/28/2022 6:52:29 PM	72340
Surr: DNOP	65.8	21-129		%Rec	1	12/28/2022 6:52:29 PM	72340
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/28/2022 3:49:58 AM	72308
Surr: BFB	94.0	37.7-212		%Rec	1	12/28/2022 3:49:58 AM	72308
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	12/28/2022 3:49:58 AM	72308
Toluene	ND	0.049		mg/Kg	1	12/28/2022 3:49:58 AM	72308
Ethylbenzene	ND	0.049		mg/Kg	1	12/28/2022 3:49:58 AM	72308
Xylenes, Total	ND	0.098		mg/Kg	1	12/28/2022 3:49:58 AM	72308
Surr: 4-Bromofluorobenzene	87.7	70-130		%Rec	1	12/28/2022 3:49:58 AM	72308

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.		

Page 25 of 51

Analytical Report

Lab Order 2212D35

Date Reported: 12/30/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WB-19

Project: Eagle Creek PL

Collection Date: 12/21/2022 4:16:00 PM

Lab ID: 2212D35-026

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	350	60		mg/Kg	20	12/28/2022 4:59:34 PM	72350
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/28/2022 7:05:26 PM	72340
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/28/2022 7:05:26 PM	72340
Surr: DNOP	66.7	21-129		%Rec	1	12/28/2022 7:05:26 PM	72340
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/28/2022 4:13:33 AM	72308
Surr: BFB	92.3	37.7-212		%Rec	1	12/28/2022 4:13:33 AM	72308
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	12/28/2022 4:13:33 AM	72308
Toluene	ND	0.050		mg/Kg	1	12/28/2022 4:13:33 AM	72308
Ethylbenzene	ND	0.050		mg/Kg	1	12/28/2022 4:13:33 AM	72308
Xylenes, Total	ND	0.099		mg/Kg	1	12/28/2022 4:13:33 AM	72308
Surr: 4-Bromofluorobenzene	86.7	70-130		%Rec	1	12/28/2022 4:13:33 AM	72308

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.		

Page 26 of 51

Analytical Report

Lab Order 2212D35

Date Reported: 12/30/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WB-20

Project: Eagle Creek PL

Collection Date: 12/21/2022 4:18:00 PM

Lab ID: 2212D35-027

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	430	60		mg/Kg	20	12/28/2022 5:11:55 PM	72350
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/28/2022 7:18:20 PM	72340
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/28/2022 7:18:20 PM	72340
Surr: DNOP	67.9	21-129		%Rec	1	12/28/2022 7:18:20 PM	72340
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/28/2022 4:37:10 AM	72308
Surr: BFB	94.3	37.7-212		%Rec	1	12/28/2022 4:37:10 AM	72308
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	12/28/2022 4:37:10 AM	72308
Toluene	ND	0.050		mg/Kg	1	12/28/2022 4:37:10 AM	72308
Ethylbenzene	ND	0.050		mg/Kg	1	12/28/2022 4:37:10 AM	72308
Xylenes, Total	ND	0.10		mg/Kg	1	12/28/2022 4:37:10 AM	72308
Surr: 4-Bromofluorobenzene	87.7	70-130		%Rec	1	12/28/2022 4:37:10 AM	72308

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.		

Page 27 of 51

Analytical Report

Lab Order 2212D35

Date Reported: 12/30/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WB-21

Project: Eagle Creek PL

Collection Date: 12/21/2022 4:20:00 PM

Lab ID: 2212D35-028

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	350	60		mg/Kg	20	12/28/2022 5:24:16 PM	72350
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/28/2022 7:31:44 PM	72340
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/28/2022 7:31:44 PM	72340
Surr: DNOP	68.6	21-129		%Rec	1	12/28/2022 7:31:44 PM	72340
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/28/2022 5:00:41 AM	72308
Surr: BFB	92.4	37.7-212		%Rec	1	12/28/2022 5:00:41 AM	72308
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	12/28/2022 5:00:41 AM	72308
Toluene	ND	0.050		mg/Kg	1	12/28/2022 5:00:41 AM	72308
Ethylbenzene	ND	0.050		mg/Kg	1	12/28/2022 5:00:41 AM	72308
Xylenes, Total	ND	0.10		mg/Kg	1	12/28/2022 5:00:41 AM	72308
Surr: 4-Bromofluorobenzene	86.0	70-130		%Rec	1	12/28/2022 5:00:41 AM	72308

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.		

Page 28 of 51

Analytical Report

Lab Order 2212D35

Date Reported: 12/30/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WB-22

Project: Eagle Creek PL

Collection Date: 12/21/2022 4:22:00 PM

Lab ID: 2212D35-029

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	390	59		mg/Kg	20	12/28/2022 5:36:37 PM	72350
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/28/2022 7:45:20 PM	72340
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/28/2022 7:45:20 PM	72340
Surr: DNOP	71.2	21-129		%Rec	1	12/28/2022 7:45:20 PM	72340
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/28/2022 5:24:20 AM	72308
Surr: BFB	96.3	37.7-212		%Rec	1	12/28/2022 5:24:20 AM	72308
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	12/28/2022 5:24:20 AM	72308
Toluene	ND	0.049		mg/Kg	1	12/28/2022 5:24:20 AM	72308
Ethylbenzene	ND	0.049		mg/Kg	1	12/28/2022 5:24:20 AM	72308
Xylenes, Total	ND	0.098		mg/Kg	1	12/28/2022 5:24:20 AM	72308
Surr: 4-Bromofluorobenzene	88.7	70-130		%Rec	1	12/28/2022 5:24:20 AM	72308

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.		

Page 29 of 51

Analytical Report

Lab Order 2212D35

Date Reported: 12/30/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WB-23

Project: Eagle Creek PL

Collection Date: 12/21/2022 4:24:00 PM

Lab ID: 2212D35-030

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	400	60		mg/Kg	20	12/28/2022 6:38:22 PM	72350
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/28/2022 7:59:05 PM	72340
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/28/2022 7:59:05 PM	72340
Surr: DNOP	70.5	21-129		%Rec	1	12/28/2022 7:59:05 PM	72340
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/28/2022 5:47:48 AM	72308
Surr: BFB	93.8	37.7-212		%Rec	1	12/28/2022 5:47:48 AM	72308
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	12/28/2022 5:47:48 AM	72308
Toluene	ND	0.050		mg/Kg	1	12/28/2022 5:47:48 AM	72308
Ethylbenzene	ND	0.050		mg/Kg	1	12/28/2022 5:47:48 AM	72308
Xylenes, Total	ND	0.099		mg/Kg	1	12/28/2022 5:47:48 AM	72308
Surr: 4-Bromofluorobenzene	87.6	70-130		%Rec	1	12/28/2022 5:47:48 AM	72308

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.		

Page 30 of 51

Analytical Report

Lab Order 2212D35

Date Reported: 12/30/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WB-24

Project: Eagle Creek PL

Collection Date: 12/21/2022 4:26:00 PM

Lab ID: 2212D35-031

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	410	60		mg/Kg	20	12/29/2022 12:08:32 AM	72348
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/28/2022 6:01:41 PM	72349
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/28/2022 6:01:41 PM	72349
Surr: DNOP	91.5	21-129		%Rec	1	12/28/2022 6:01:41 PM	72349
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/28/2022 10:15:31 AM	72309
Surr: BFB	98.7	37.7-212		%Rec	1	12/28/2022 10:15:31 AM	72309
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	12/28/2022 10:15:31 AM	72309
Toluene	ND	0.049		mg/Kg	1	12/28/2022 10:15:31 AM	72309
Ethylbenzene	ND	0.049		mg/Kg	1	12/28/2022 10:15:31 AM	72309
Xylenes, Total	ND	0.098		mg/Kg	1	12/28/2022 10:15:31 AM	72309
Surr: 4-Bromofluorobenzene	92.5	70-130		%Rec	1	12/28/2022 10:15:31 AM	72309

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.		

Page 31 of 51

Analytical Report

Lab Order 2212D35

Date Reported: 12/30/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WB-25

Project: Eagle Creek PL

Collection Date: 12/21/2022 4:28:00 PM

Lab ID: 2212D35-032

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	370	60		mg/Kg	20	12/29/2022 12:45:45 AM	72348
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/28/2022 6:25:52 PM	72349
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/28/2022 6:25:52 PM	72349
Surr: DNOP	93.7	21-129		%Rec	1	12/28/2022 6:25:52 PM	72349
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/28/2022 10:39:06 AM	72309
Surr: BFB	96.1	37.7-212		%Rec	1	12/28/2022 10:39:06 AM	72309
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	12/28/2022 10:39:06 AM	72309
Toluene	ND	0.050		mg/Kg	1	12/28/2022 10:39:06 AM	72309
Ethylbenzene	ND	0.050		mg/Kg	1	12/28/2022 10:39:06 AM	72309
Xylenes, Total	ND	0.10		mg/Kg	1	12/28/2022 10:39:06 AM	72309
Surr: 4-Bromofluorobenzene	89.8	70-130		%Rec	1	12/28/2022 10:39:06 AM	72309

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.		

Page 32 of 51

Analytical Report

Lab Order 2212D35

Date Reported: 12/30/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WB-26

Project: Eagle Creek PL

Collection Date: 12/21/2022 4:30:00 PM

Lab ID: 2212D35-033

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	340	60		mg/Kg	20	12/29/2022 9:46:52 AM	72348
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/28/2022 6:50:00 PM	72349
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/28/2022 6:50:00 PM	72349
Surr: DNOP	93.7	21-129		%Rec	1	12/28/2022 6:50:00 PM	72349
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/28/2022 11:02:43 AM	72309
Surr: BFB	95.8	37.7-212		%Rec	1	12/28/2022 11:02:43 AM	72309
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	12/28/2022 11:02:43 AM	72309
Toluene	ND	0.049		mg/Kg	1	12/28/2022 11:02:43 AM	72309
Ethylbenzene	ND	0.049		mg/Kg	1	12/28/2022 11:02:43 AM	72309
Xylenes, Total	ND	0.099		mg/Kg	1	12/28/2022 11:02:43 AM	72309
Surr: 4-Bromofluorobenzene	89.4	70-130		%Rec	1	12/28/2022 11:02:43 AM	72309

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.		

Page 33 of 51

Analytical Report

Lab Order 2212D35

Date Reported: 12/30/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WB-27

Project: Eagle Creek PL

Collection Date: 12/21/2022 4:32:00 PM

Lab ID: 2212D35-034

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	390	60		mg/Kg	20	12/29/2022 9:59:16 AM	72348
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/28/2022 7:14:16 PM	72349
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/28/2022 7:14:16 PM	72349
Surr: DNOP	95.2	21-129		%Rec	1	12/28/2022 7:14:16 PM	72349
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/28/2022 11:26:16 AM	72309
Surr: BFB	96.0	37.7-212		%Rec	1	12/28/2022 11:26:16 AM	72309
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	12/28/2022 11:26:16 AM	72309
Toluene	ND	0.050		mg/Kg	1	12/28/2022 11:26:16 AM	72309
Ethylbenzene	ND	0.050		mg/Kg	1	12/28/2022 11:26:16 AM	72309
Xylenes, Total	ND	0.10		mg/Kg	1	12/28/2022 11:26:16 AM	72309
Surr: 4-Bromofluorobenzene	89.8	70-130		%Rec	1	12/28/2022 11:26:16 AM	72309

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.		

Page 34 of 51

Analytical Report

Lab Order 2212D35

Date Reported: 12/30/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WB-28

Project: Eagle Creek PL

Collection Date: 12/21/2022 4:34:00 PM

Lab ID: 2212D35-035

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	320	60		mg/Kg	20	12/29/2022 10:11:40 AM	72348
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/28/2022 7:38:31 PM	72349
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/28/2022 7:38:31 PM	72349
Surr: DNOP	98.9	21-129		%Rec	1	12/28/2022 7:38:31 PM	72349
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/28/2022 11:49:53 AM	72309
Surr: BFB	99.6	37.7-212		%Rec	1	12/28/2022 11:49:53 AM	72309
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	12/28/2022 11:49:53 AM	72309
Toluene	ND	0.049		mg/Kg	1	12/28/2022 11:49:53 AM	72309
Ethylbenzene	ND	0.049		mg/Kg	1	12/28/2022 11:49:53 AM	72309
Xylenes, Total	ND	0.098		mg/Kg	1	12/28/2022 11:49:53 AM	72309
Surr: 4-Bromofluorobenzene	92.2	70-130		%Rec	1	12/28/2022 11:49:53 AM	72309

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.		

Page 35 of 51

Analytical Report

Lab Order 2212D35

Date Reported: 12/30/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WB-29

Project: Eagle Creek PL

Collection Date: 12/21/2022 4:36:00 PM

Lab ID: 2212D35-036

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	390	60		mg/Kg	20	12/29/2022 10:24:04 AM	72348
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/28/2022 8:02:46 PM	72349
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/28/2022 8:02:46 PM	72349
Surr: DNOP	94.7	21-129		%Rec	1	12/28/2022 8:02:46 PM	72349
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/28/2022 12:13:30 PM	72309
Surr: BFB	96.9	37.7-212		%Rec	1	12/28/2022 12:13:30 PM	72309
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	12/28/2022 12:13:30 PM	72309
Toluene	ND	0.050		mg/Kg	1	12/28/2022 12:13:30 PM	72309
Ethylbenzene	ND	0.050		mg/Kg	1	12/28/2022 12:13:30 PM	72309
Xylenes, Total	ND	0.099		mg/Kg	1	12/28/2022 12:13:30 PM	72309
Surr: 4-Bromofluorobenzene	90.4	70-130		%Rec	1	12/28/2022 12:13:30 PM	72309

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.		

Page 36 of 51

Analytical Report

Lab Order 2212D35

Date Reported: 12/30/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WB-30

Project: Eagle Creek PL

Collection Date: 12/21/2022 4:38:00 PM

Lab ID: 2212D35-037

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	410	60		mg/Kg	20	12/29/2022 10:36:29 AM	72348
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/28/2022 8:26:56 PM	72349
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/28/2022 8:26:56 PM	72349
Surr: DNOP	90.1	21-129		%Rec	1	12/28/2022 8:26:56 PM	72349
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/28/2022 12:37:05 PM	72309
Surr: BFB	94.9	37.7-212		%Rec	1	12/28/2022 12:37:05 PM	72309
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	12/28/2022 12:37:05 PM	72309
Toluene	ND	0.050		mg/Kg	1	12/28/2022 12:37:05 PM	72309
Ethylbenzene	ND	0.050		mg/Kg	1	12/28/2022 12:37:05 PM	72309
Xylenes, Total	ND	0.10		mg/Kg	1	12/28/2022 12:37:05 PM	72309
Surr: 4-Bromofluorobenzene	88.6	70-130		%Rec	1	12/28/2022 12:37:05 PM	72309

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.		

Page 37 of 51

Analytical Report

Lab Order 2212D35

Date Reported: 12/30/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WB-31

Project: Eagle Creek PL

Collection Date: 12/21/2022 4:40:00 PM

Lab ID: 2212D35-038

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	410	60		mg/Kg	20	12/29/2022 10:48:54 AM	72348
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/28/2022 8:51:10 PM	72349
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/28/2022 8:51:10 PM	72349
Surr: DNOP	91.8	21-129		%Rec	1	12/28/2022 8:51:10 PM	72349
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/28/2022 1:00:34 PM	72309
Surr: BFB	97.4	37.7-212		%Rec	1	12/28/2022 1:00:34 PM	72309
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	12/28/2022 1:00:34 PM	72309
Toluene	ND	0.050		mg/Kg	1	12/28/2022 1:00:34 PM	72309
Ethylbenzene	ND	0.050		mg/Kg	1	12/28/2022 1:00:34 PM	72309
Xylenes, Total	ND	0.099		mg/Kg	1	12/28/2022 1:00:34 PM	72309
Surr: 4-Bromofluorobenzene	91.1	70-130		%Rec	1	12/28/2022 1:00:34 PM	72309

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.		

Page 38 of 51

Analytical Report

Lab Order 2212D35

Date Reported: 12/30/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WB-32

Project: Eagle Creek PL

Collection Date: 12/21/2022 4:42:00 PM

Lab ID: 2212D35-039

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	410	60		mg/Kg	20	12/29/2022 11:01:19 AM	72348
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/28/2022 9:15:09 PM	72349
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/28/2022 9:15:09 PM	72349
Surr: DNOP	92.1	21-129		%Rec	1	12/28/2022 9:15:09 PM	72349
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/28/2022 1:24:14 PM	72309
Surr: BFB	95.4	37.7-212		%Rec	1	12/28/2022 1:24:14 PM	72309
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	12/28/2022 1:24:14 PM	72309
Toluene	ND	0.050		mg/Kg	1	12/28/2022 1:24:14 PM	72309
Ethylbenzene	ND	0.050		mg/Kg	1	12/28/2022 1:24:14 PM	72309
Xylenes, Total	ND	0.10		mg/Kg	1	12/28/2022 1:24:14 PM	72309
Surr: 4-Bromofluorobenzene	90.2	70-130		%Rec	1	12/28/2022 1:24:14 PM	72309

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.		

Page 39 of 51

Analytical Report

Lab Order 2212D35

Date Reported: 12/30/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WB-33

Project: Eagle Creek PL

Collection Date: 12/21/2022 4:44:00 PM

Lab ID: 2212D35-040

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	380	60		mg/Kg	20	12/29/2022 11:13:44 AM	72348
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/28/2022 10:27:28 PM	72349
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	12/28/2022 10:27:28 PM	72349
Surr: DNOP	93.2	21-129		%Rec	1	12/28/2022 10:27:28 PM	72349
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/28/2022 2:11:26 PM	72309
Surr: BFB	96.1	37.7-212		%Rec	1	12/28/2022 2:11:26 PM	72309
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	12/28/2022 2:11:26 PM	72309
Toluene	ND	0.049		mg/Kg	1	12/28/2022 2:11:26 PM	72309
Ethylbenzene	ND	0.049		mg/Kg	1	12/28/2022 2:11:26 PM	72309
Xylenes, Total	ND	0.099		mg/Kg	1	12/28/2022 2:11:26 PM	72309
Surr: 4-Bromofluorobenzene	90.3	70-130		%Rec	1	12/28/2022 2:11:26 PM	72309

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.		

Page 40 of 51

Analytical Report

Lab Order 2212D35

Date Reported: 12/30/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WB-34

Project: Eagle Creek PL

Collection Date: 12/21/2022 4:46:00 PM

Lab ID: 2212D35-041

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	440	60		mg/Kg	20	12/29/2022 11:26:08 AM	72348
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/28/2022 10:51:34 PM	72349
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/28/2022 10:51:34 PM	72349
Surr: DNOP	90.4	21-129		%Rec	1	12/28/2022 10:51:34 PM	72349
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/28/2022 2:35:02 PM	72309
Surr: BFB	93.1	37.7-212		%Rec	1	12/28/2022 2:35:02 PM	72309
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	12/28/2022 2:35:02 PM	72309
Toluene	ND	0.050		mg/Kg	1	12/28/2022 2:35:02 PM	72309
Ethylbenzene	ND	0.050		mg/Kg	1	12/28/2022 2:35:02 PM	72309
Xylenes, Total	ND	0.099		mg/Kg	1	12/28/2022 2:35:02 PM	72309
Surr: 4-Bromofluorobenzene	86.7	70-130		%Rec	1	12/28/2022 2:35:02 PM	72309

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.		

Page 41 of 51

Analytical Report

Lab Order 2212D35

Date Reported: 12/30/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WB-35

Project: Eagle Creek PL

Collection Date: 12/21/2022 4:48:00 PM

Lab ID: 2212D35-042

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	350	60		mg/Kg	20	12/29/2022 11:38:33 AM	72348
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/28/2022 11:15:41 PM	72349
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/28/2022 11:15:41 PM	72349
Surr: DNOP	86.1	21-129		%Rec	1	12/28/2022 11:15:41 PM	72349
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/28/2022 2:58:30 PM	72309
Surr: BFB	96.0	37.7-212		%Rec	1	12/28/2022 2:58:30 PM	72309
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	12/28/2022 2:58:30 PM	72309
Toluene	ND	0.049		mg/Kg	1	12/28/2022 2:58:30 PM	72309
Ethylbenzene	ND	0.049		mg/Kg	1	12/28/2022 2:58:30 PM	72309
Xylenes, Total	ND	0.098		mg/Kg	1	12/28/2022 2:58:30 PM	72309
Surr: 4-Bromofluorobenzene	89.4	70-130		%Rec	1	12/28/2022 2:58:30 PM	72309

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.		

Page 42 of 51

Analytical Report

Lab Order 2212D35

Date Reported: 12/30/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WB-36

Project: Eagle Creek PL

Collection Date: 12/21/2022 4:50:00 PM

Lab ID: 2212D35-043

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	400	60		mg/Kg	20	12/29/2022 12:15:47 PM	72348
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/28/2022 11:39:38 PM	72349
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/28/2022 11:39:38 PM	72349
Surr: DNOP	86.6	21-129		%Rec	1	12/28/2022 11:39:38 PM	72349
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/28/2022 3:21:53 PM	72309
Surr: BFB	96.5	37.7-212		%Rec	1	12/28/2022 3:21:53 PM	72309
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	12/28/2022 3:21:53 PM	72309
Toluene	ND	0.049		mg/Kg	1	12/28/2022 3:21:53 PM	72309
Ethylbenzene	ND	0.049		mg/Kg	1	12/28/2022 3:21:53 PM	72309
Xylenes, Total	ND	0.099		mg/Kg	1	12/28/2022 3:21:53 PM	72309
Surr: 4-Bromofluorobenzene	89.8	70-130		%Rec	1	12/28/2022 3:21:53 PM	72309

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.		

Page 43 of 51

Analytical Report

Lab Order 2212D35

Date Reported: 12/30/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WB-37

Project: Eagle Creek PL

Collection Date: 12/21/2022 4:52:00 PM

Lab ID: 2212D35-044

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	330	60		mg/Kg	20	12/29/2022 12:28:11 PM	72348
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/29/2022 12:04:05 AM	72349
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/29/2022 12:04:05 AM	72349
Surr: DNOP	89.0	21-129		%Rec	1	12/29/2022 12:04:05 AM	72349
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/28/2022 3:45:34 PM	72309
Surr: BFB	97.5	37.7-212		%Rec	1	12/28/2022 3:45:34 PM	72309
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	12/28/2022 3:45:34 PM	72309
Toluene	ND	0.050		mg/Kg	1	12/28/2022 3:45:34 PM	72309
Ethylbenzene	ND	0.050		mg/Kg	1	12/28/2022 3:45:34 PM	72309
Xylenes, Total	ND	0.099		mg/Kg	1	12/28/2022 3:45:34 PM	72309
Surr: 4-Bromofluorobenzene	89.0	70-130		%Rec	1	12/28/2022 3:45:34 PM	72309

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.		

Page 44 of 51

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

WO#: 2212D35

30-Dec-22

Client: EOG
Project: Eagle Creek PL

Sample ID: MB-72332	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 72332	RunNo: 93551								
Prep Date: 12/27/2022	Analysis Date: 12/27/2022	SeqNo: 3375896 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-72332	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 72332	RunNo: 93551								
Prep Date: 12/27/2022	Analysis Date: 12/27/2022	SeqNo: 3375897 Units: mg/Kg								
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: MB-72348	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 72348	RunNo: 93596								
Prep Date: 12/28/2022	Analysis Date: 12/28/2022	SeqNo: 3378080 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-72348	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 72348	RunNo: 93596								
Prep Date: 12/28/2022	Analysis Date: 12/28/2022	SeqNo: 3378081 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.6	90	110			

Sample ID: MB-72350	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 72350	RunNo: 93620								
Prep Date: 12/28/2022	Analysis Date: 12/28/2022	SeqNo: 3378487 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-72350	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 72350	RunNo: 93620								
Prep Date: 12/28/2022	Analysis Date: 12/28/2022	SeqNo: 3378488 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.0	90	110			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 PQL Practical Quantitative Limit
 S % Recovery outside of 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#: 2212D35

30-Dec-22

Client: EOG
Project: Eagle Creek PL

Sample ID: MB-72331	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 72331	RunNo: 93564								
Prep Date: 12/27/2022	Analysis Date: 12/28/2022	SeqNo: 3376327 Units: mg/Kg								
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: LCS-72331	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 72331	RunNo: 93564								
Prep Date: 12/27/2022	Analysis Date: 12/28/2022	SeqNo: 3376328 Units: mg/Kg								
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: MB-72340	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 72340	RunNo: 93564								
Prep Date: 12/28/2022	Analysis Date: 12/28/2022	SeqNo: 3376734 Units: mg/Kg								
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	6.6		10.00		66.2	21	129			

Sample ID: LCS-72349	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 72349	RunNo: 93577								
Prep Date: 12/28/2022	Analysis Date: 12/28/2022	SeqNo: 3377115 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	15	50.00	0	87.8	64.4	127			
Surr: DNOP	3.2		5.000		64.0	21	129			

Sample ID: MB-72349	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 72349	RunNo: 93577								
Prep Date: 12/28/2022	Analysis Date: 12/28/2022	SeqNo: 3377116 Units: mg/Kg								
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	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#: 2212D35
30-Dec-22

Client: EOG
Project: Eagle Creek PL

Sample ID: LCS-72340	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 72340	RunNo: 93564								
Prep Date: 12/28/2022	Analysis Date: 12/28/2022	SeqNo: 3377213		Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	54	15	50.00	0	107	64.4	127			
Surr: DNOP	3.2		5.000		63.9	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#: 2212D35

30-Dec-22

Client: EOG
Project: Eagle Creek PL

Sample ID: mb-72308	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 72308			RunNo: 93549						
Prep Date: 12/23/2022	Analysis Date: 12/27/2022			SeqNo: 3375209		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	930		1000		92.7	37.7	212			

Sample ID: lcs-72308	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 72308			RunNo: 93549						
Prep Date: 12/23/2022	Analysis Date: 12/27/2022			SeqNo: 3375210		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	101	72.3	137			
Surr: BFB	1900		1000		191	37.7	212			

Sample ID: lcs-72306	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 72306			RunNo: 93560						
Prep Date: 12/23/2022	Analysis Date: 12/27/2022			SeqNo: 3375707		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	105	72.3	137			
Surr: BFB	2300		1000		228	37.7	212			S

Sample ID: mb-72306	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 72306			RunNo: 93560						
Prep Date: 12/23/2022	Analysis Date: 12/27/2022			SeqNo: 3375708		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		101	37.7	212			

Sample ID: mb-72309	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 72309			RunNo: 93580						
Prep Date: 12/23/2022	Analysis Date: 12/28/2022			SeqNo: 3377237		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	970		1000		96.9	37.7	212			

Sample ID: lcs-72309	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 72309			RunNo: 93580						
Prep Date: 12/23/2022	Analysis Date: 12/28/2022			SeqNo: 3377238		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of 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#: 2212D35

30-Dec-22

Client: EOG
Project: Eagle Creek PL

Sample ID: lcs-72309	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 72309			RunNo: 93580						
Prep Date: 12/23/2022	Analysis Date: 12/28/2022			SeqNo: 3377238		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	103	72.3	137			
Surr: BFB	1900		1000		194	37.7	212			

Sample ID: mb	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: R93580			RunNo: 93580						
Prep Date:	Analysis Date: 12/28/2022			SeqNo: 3377272		Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	970		1000		97.0	37.7	212			

Sample ID: 2.5ug gro lcs	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: R93580			RunNo: 93580						
Prep Date:	Analysis Date: 12/28/2022			SeqNo: 3377273		Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	2000		1000		195	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#: 2212D35

30-Dec-22

Client: EOG
Project: Eagle Creek PL

Sample ID: mb-72308	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 72308	RunNo: 93549								
Prep Date: 12/23/2022	Analysis Date: 12/27/2022	SeqNo: 3375249 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.88		1.000		87.5	70	130			

Sample ID: LCS-72308	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 72308	RunNo: 93549								
Prep Date: 12/23/2022	Analysis Date: 12/27/2022	SeqNo: 3375250 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.81	0.025	1.000	0	81.4	80	120			
Toluene	0.83	0.050	1.000	0	83.3	80	120			
Ethylbenzene	0.83	0.050	1.000	0	82.9	80	120			
Xylenes, Total	2.5	0.10	3.000	0	83.3	80	120			
Surr: 4-Bromofluorobenzene	0.89		1.000		88.7	70	130			

Sample ID: lcs-72306	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 72306	RunNo: 93560								
Prep Date: 12/23/2022	Analysis Date: 12/27/2022	SeqNo: 3375760 Units: mg/Kg								
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: mb-72306	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 72306	RunNo: 93560								
Prep Date: 12/23/2022	Analysis Date: 12/27/2022	SeqNo: 3375761 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		114	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

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

WO#: 2212D35

30-Dec-22

Client: EOG
Project: Eagle Creek PL

Sample ID: mb-72309	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 72309		RunNo: 93580							
Prep Date: 12/23/2022	Analysis Date: 12/28/2022		SeqNo: 3377289		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.90		1.000		90.4	70	130			

Sample ID: LCS-72309	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 72309		RunNo: 93580							
Prep Date: 12/23/2022	Analysis Date: 12/28/2022		SeqNo: 3377290		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.84	0.025	1.000	0	83.8	80	120			
Toluene	0.87	0.050	1.000	0	86.7	80	120			
Ethylbenzene	0.87	0.050	1.000	0	86.7	80	120			
Xylenes, Total	2.6	0.10	3.000	0	87.0	80	120			
Surr: 4-Bromofluorobenzene	0.94		1.000		93.5	70	130			

Sample ID: mb	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: R93580		RunNo: 93580							
Prep Date:	Analysis Date: 12/28/2022		SeqNo: 3377313		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.91		1.000		90.6	70	130			

Sample ID: 100ng btex lcs	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: R93580		RunNo: 93580							
Prep Date:	Analysis Date: 12/28/2022		SeqNo: 3377314		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.92		1.000		92.2	70	130			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of 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: 2212D35

RcptNo: 1

Received By: Isaiah Ortiz 12/23/2022 8:00:00 AM

Completed By: Isaiah Ortiz 12/23/2022 8:37:31 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°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: *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	0.2	Good	Yes			
2	0.4	Good	Yes			

Client: EOG-Artesia / Ranger Env.
Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210
Ranger: PO Box 201179, Austin TX 78720
Phone #: 521-335-1785
email or Fax#: Will@RangerEnv.com

Turn-Around Time: ☐ Standard ☒ Rush 4 hr
Project Name: Eagle Creek PL
Project #: 5375



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

Project Manager: W. Klerdorf

QA/QC Package: ☒ Standard ☐ Level 4 (Full Validation)
Accreditation: ☐ Az Compliance ☐ Other
☒ NELAC ☐ Other
☒ EDD (Type) Excel

Sampler: J. Martinez
On Ice: ☒ Yes ☐ No
of Coolers: 2 0.1 + 0.1 (cf) 0.2°C
Cooler Temp (including CF): 0.3 + 0.1 (cf) 0.4°C

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
12-21-22	1515	Soil	WW-2	1742 Jar	ICE	2212D35
	1518		WW-2			001
	1520		WW-3			002
	1522		WW-4			003
	1524		WW-5			004
	1526		WW-6			005
	1528		WW-7			006
	1540		WB-2			007
	1542		WB-2			008
	1544		WB-3			009
	1546		WB-4			010
	1548		WB-5			011

Relinquished by: J. Martinez
Date: 12-23-22 Time: 1347
Relinquished by: [Signature]
Date: 12/23/22 Time: 1900

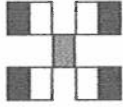
Received by: [Signature]
Date: 12/23/22 Time: 0800
Received by: [Signature]
Date: 12/23/22 Time: 0800

Remarks: Bill to EOG Artesia

Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.
Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210
Ranger: PO Box 201179, Austin TX 78720
Phone #: 521-335-1785
email or Fax#: Will@RangerEnv.com
QA/QC Package:
■ Standard □ Level 4 (Full Validation)
Accreditation: □ Az Compliance
■ NELAC □ Other
■ EDD (Type) Excel

Turn-Around Time:
□ Standard ☒ Rush 48 hr
Project Name: Eagle Creek PL
Project #: 5375



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

Project Manager: W. Kierdorf

Sampler: J. Martinez
On Ice: ☐ Yes ☐ No
of Coolers:
Cooler Temp (including CP):

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
12-21-22	1550	soil	WB-6	184024r	ICE	2212035
12-21-22	1532		WB-7			013 015 016 017 018 019 020 021 022 023 024
12-21-22	1554		WB-8			026 027 028 029 030 031 032 033 034 035
12-21-22	1556		WB-9			
12-21-22	1558		WB-10			
12-21-22	1600		WB-11			
12-21-22	1602		WB-12			
12-21-22	1604		WB-13			
12-21-22	1606		WB-14			
12-21-22	1608		WB-15			
12-21-22	1610		WB-16			
12-21-22	1612		WB-17			

Refrigerated (8021) BTX (EPA 300)
Chloride (EPA 300)

Received by: [Signature] Date: 12/22/22 Time: 1347
Relinquished by: J. Martinez
Received by: [Signature] Date: 12/22/22 Time: 1900
Relinquished by: [Signature]

Remarks: Bill to EOG Artesia
ID 12/23/2022

Client: EOG-Artesia / Ranger Env.

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

Ranger: PO Box 201179, Austin TX 78720

Phone #: 521-335-1785

email or Fax#: Will@RangerEnv.com

QA/QC Package:

Standard Level 4 (Full Validation)

Accreditation: Az Compliance

NELAC Other

EDD (Type) Excel

Date Time Matrix Sample Name

12-21-22 1638 Soil WB-30

1640 WB-31

1642 WB-32

1644 WB-33

1646 WB-34

1648 WB-35

1650 WB-36

1652 WB-37

1654

1656

1658

1660

1662

1664

1666

1668

1670

1672

1674

1676

1678

1680

Turn-Around Time:

Standard Rush 48 hour

Project Name:

Eagle Creek PL

Project #: 5375

Project Manager: W. Kierdorf

Sampler: J. Martinez

On Ice: Yes No

of Coolers: 2

Cooler Temp (including CP): 0.1 to 0.1 0.3 to 0.1 0.4 to 0.4

Container Type and #

1x 402 Jar

Preservative Type

TCE

HEAL No.

2217035

TPH:8015D(GRO / DRO / MRO)

BTEX (8021)

Chloride (EPA 300)

TPH:8015D(GRO / DRO / MRO)

BTEX (8021)

Chloride (EPA 300)

TPH:8015D(GRO / DRO / MRO)

BTEX (8021)

Chloride (EPA 300)

TPH:8015D(GRO / DRO / MRO)

BTEX (8021)

Chloride (EPA 300)

TPH:8015D(GRO / DRO / MRO)

BTEX (8021)

Chloride (EPA 300)

TPH:8015D(GRO / DRO / MRO)

BTEX (8021)



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Remarks: Bill to EOG Artesia

Received by: J. Martinez

Received by: J. Martinez

Received by: J. Martinez

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Received by: J. Martinez

ATTACHMENT 4 – NMOCD CORRESPONDENCE

From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Monday, December 19, 2022 8:11:44 AM
To: ocd.enviro@emnrd.nm.gov <ocd.enviro@emnrd.nm.gov>
Cc: Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>; Artesia Regulatory <Artesia_Regulatory@eogresources.com>
Subject: Eagle Creek Pipeline - West (nAPP2234939378) Sampling Notification

Good Morning,

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

Eagle Creek Pipeline - West

C-25-18S-25E

Eddy County, NM

nAPP2234939378

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



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 171398

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 171398
	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 #NAPP2234939378 EAGLE CREEK PIPELINE - WEST, thank you. This closure is approved.	4/10/2023