

Incident ID	nAPP2305245917
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: 05/22/2023
 email: Chase_Settle@eogresources.com Telephone: 575-748-1471

OCD Only

Received by: Jocelyn Harimon Date: 10/13/2023

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: 10/13/2023
 Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced



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

**THOMAS #1 PIPELINE
32.67669 -104.50286
UNIT G, SECTION 8, T19S-R25E
EDDY COUNTY, NEW MEXICO
NMOCD INCIDENT ID #nAPP2305245917**

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**

May 22, 2023

A handwritten signature in blue ink, appearing to read "W Kierdorf", positioned above a horizontal line.

**Mr. William Kierdorf, REM
Project Manager**

A handwritten signature in blue ink, appearing to read "M Cook", positioned above a horizontal line.

**Mr. Max Cook, CAPM
Senior Project Manager**

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FORM C-141

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- Site Assessment Soil BTEX (EPA 8260), TPH (EPA 8015) & Chloride (EPA 300) Analytical Data
- Confirmation Sample Soil BTEX (EPA 8260), TPH (EPA 8015) & Chloride (EPA 300/SM4500) Analytical Data

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- Attachment 1 – Depth-to-Groundwater Data
- Attachment 2 – Site Photographs
- Attachment 3 – Laboratory Analytical Reports
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**SITE CHARACTERIZATION, ASSESSMENT, REMEDIATION, AND
CLOSURE REPORT
THOMAS #1 PIPELINE
32.67669 -104.50286
UNIT G, SECTION 8, T19S-R25E
EDDY COUNTY, NEW MEXICO
NMOCD INCIDENT ID # nAPP2305245917**

1.0 SITE LOCATION AND BACKGROUND

The Thomas #1 Pipeline (Site) is located on private property, approximately 12.9 miles southwest of Artesia, within Eddy County, New Mexico. The Site is situated in Unit G, Section 8, T19S-R25E at GPS coordinates 32.67669 -104.50286.

EOG was notified by representatives of an adjacent surface, of areas of concern located on surface owned by the Thomas Estate. The area was noted to be along the historic path of a flowline believed to be associated with the former Thomas #1 well.

EOG has engaged Ranger Environmental Services, LLC (Ranger) to assist in the assessment and remediation efforts at the Site. On February 17, 2023, Ranger personnel conducted an initial assessment of the reported area which included the collection of soil samples for laboratory analysis. Due to the conditions encountered in the reported area, the incident was reported to the New Mexico Oil Conservation Division (NMOCD) on February 21, 2023.

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 Site and surrounding areas, and Site Maps illustrating 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 324041104294801) was identified within a half-mile of the Site. 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 available data for the well was collected in January 2012, 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 source (water well (USGS 324041104294801) was identified within a half-mile 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 area is within an area of "Medium Karst" probability.

2.3 Distance to Nearest Significance Watercourse

Based upon available online resources, no significant water courses are located within a half-mile 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 Table 1 (groundwater >100 feet) criteria (Table 1 Closure Criteria). Additionally, the remediation activities were conducted to bring the area into compliance with the Restoration, Reclamation and Re-Vegetation Criteria (Restoration Criteria) detailed in NMAC 19.15.29.13. The regulatory criteria are summarized 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*	---	50*	10*

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

*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 February 17, 2023 – Site Assessment

On February 17, 2023, Ranger personnel and representatives of EOG completed assessment activities in the reported area. The assessment process included the installation of excavation test holes and the collection of soil samples for laboratory analysis.

During the February 17, 2023 assessment, a total of ten test excavations (TH-1 through TH-10) were completed. The test excavations were primarily completed to a maximum depth of approximately four feet bgs with one test excavation (TH-3) being completed to a depth of six feet bgs. 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. During the installation process of test excavation location TH-3, Ranger personnel encountered hydrocarbon odor, soil discoloration, and elevated OVM field readings. In an attempt to delineate soil impacts, the TH-3 test excavation was completed to a maximum depth of approximately six feet bgs.

In order to document site conditions, a minimum of two soil samples were collected for laboratory analysis were collected from each test hole location. A total of 21 samples were collected from the area during the February 17, 2023 site assessment activities. 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, chloride concentrations elevated above the Reclamation Criteria were documented in the surface to four-foot depth interval in eight of the 10 test excavation locations. It should be noted that at a depth of four feet bgs, all samples were noted to have chloride concentrations within the applicable Table 1 Closure Criteria.

Upon review of the BTEX and TPH analytical results, three of 10 test excavation locations were documented to have TPH concentrations elevated above the applicable Reclamation Criteria and or the Table 1 Closure Criteria. Of the three locations noted to have elevated soil TPH concentrations, all but one location (TH-3) were noted to have BTEX and TPH concentrations within the Table 1 Closure Criteria at a depth of four feet bgs. At the TH-3 location, soil TPH concentrations from the samples collected at depths of approximately five and six feet bgs were noted to be elevated above the applicable Table 1 Closure Criteria.

The initial assessment soil sample analytical results are summarized in the attached table. A copy of the laboratory analytical report is also attached.

3.2 Initial Soil Removal Operations and "TH-3" Area Additional Assessment

In order to address the impacts at the Site and bring the location into compliance with NMAC 19.15.29, soil removal operations were initiated in February 2023. Based on the information collected during the February 17, 2023 Site assessment activities, initial soil removal operations were completed to depths and boundaries anticipated to be within regulatory closure criteria. During the excavation process, Ranger personnel collected field readings utilizing an OVM and field chloride titration kit to guide the excavation boundaries and depths.

Upon completion of the initial soil removal operations to a depth of approximately four feet in the vicinity of test excavation TH-3 visible impacts, soil discoloration, and notable hydrocarbon odor were observed. In an attempt to delineate the vertical extent of impacts in the area, an additional test excavation (TH-3A) was completed within the observed hydrocarbon impact area to a depth of approximately 18 feet bgs. Additionally, to assist in the horizontal delineation of impacts in the

observed area of elevated hydrocarbon concentrations, a test hole was completed in each cardinal direction of the area to an approximate depth of eight feet bgs. During the additional test excavation installation process, soils were analyzed by Ranger personnel at approximate one-foot intervals using an OVM and a field chloride titration kit to assist in evaluating soil conditions and/or levels of impacts in the area.

In order to document conditions, multiple soil samples were collected from each of the five test excavations completed on March 9, 2023. A total of 10 samples were collected during the March 9, 2023 assessment activities. Upon collection, the soil samples were submitted to Hall Environmental Laboratory, Inc. in Albuquerque, New Mexico for analysis of TPH, BTEX and, total chloride using the aforementioned laboratory methods. The samples were collected and managed using standard QA/QC and chain-of-custody procedures.

3.3 Initial Confirmation Sampling and Sample Results

Primary Excavation Area

Based on the initial assessment activities completed on February 17, 2023, and field readings collected during the excavation process, the primary excavation area at the Site was completed to a depth of approximately four feet bgs. Upon completion, the excavation area was primarily rectangular in shape and had maximum dimensions of approximately 164 feet by 120 feet.

In order to confirm the excavation area had been completed to appropriate depths and boundaries, confirmation soil samples were collected on March 9, 10, 29, and 30, 2023. The 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. A total of 11 confirmation soil samples were collected from the primary excavation area side walls and 82 samples were collected from the excavation base area for laboratory analysis.

Upon collection, the soil samples were submitted to Hall Environmental Laboratory, Inc. in Albuquerque, New Mexico for analysis of TPH, BTEX and, total chloride using the aforementioned laboratory methods. The samples were collected and managed using standard QA/QC and chain-of-custody procedures. Prior to each cleanup confirmation sampling event, notice was provided to the NMOCD in accordance with NMAC 19.15.29.12(D). Copies of the notifications are attached.

Upon review of the soil sample analytical results collected from the primary excavation area, all excavation side wall samples were noted to have BTEX, TPH and chloride concentrations within the applicable Restoration Criteria. Additionally, all confirmation samples collected from the primary excavation base area were noted to have BTEX, TPH, and chloride concentrations with in the applicable Table 1 Closure Criteria.

A site map depicting the excavation area and confirmation sample locations is attached.

TH-3/TH-3A Excavation Area

Based on conditions observed in the TH-3/TH-3A area during the initial soil removal operations and additional assessment on March 9, 2023, additional soil removal operations in the area of TH-3/TH-3A was completed to dimensions of approximately 38 feet by 29 feet and to a depth of approximately 16 feet bgs.

To assess the excavation conditions and determine if the area had been completed to appropriate boundaries, confirmation soil samples were collected on March 29, 2023. The 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. A total of 10 confirmation soil samples were collected from the TH-3/TH-3A area, five from the excavation area side walls and five from the excavation base area for laboratory analysis.

Upon collection, the soil samples were submitted to Hall Environmental Laboratory, Inc. in Albuquerque, New Mexico for analysis of TPH, BTEX and, total chloride using the aforementioned laboratory methods. The samples were collected and managed using standard QA/QC and chain-of-custody procedures. Prior to each cleanup confirmation sampling event, notice was provided to the NMOCD in accordance with NMAC 19.15.29.12(D). Copies of the notifications are attached.

Upon review of the laboratory analytical results for the sample collected from the TH-3/TH3-A excavation area on March 29, 2023, all 10 samples were noted to have TPH concentrations in exceedance of the applicable Table 1 Closure Criteria for TPH. The samples were noted to have BTEX and chloride concentrations within the Table 1 Closure Criteria for the respective constituents.

3.4 Additional Removal Operations and Confirmation Sampling

In order to address the elevated TPH concentrations in the TH-3/TH-3A area, additional removal operations were completed. During the over-excavation process, Ranger personnel collected field readings utilizing an OVM and field chloride titration kit to guide the excavation boundaries and depths.

Upon completion the excavation area had dimensions of approximately 52 feet by 41 feet and was completed to a depth of approximately 18 feet bgs. To assess the excavation area and confirm the area had been completed to appropriate boundaries, confirmation samples were collected on May 10 and 19, 2023.

A total of 18 confirmation soil samples were collected from the over-excavated TH-3/TH-3A area, 10 from the excavation area side walls and eight from the excavation base area for laboratory analysis.

Upon collection, the soil samples were submitted to an NMOCD approved laboratory for analysis of TPH and BTEX using the aforementioned laboratory methods. The samples were also analyzed for total chloride using either laboratory method EPA 300 or SM4500. The samples were collected and managed using standard QA/QC and chain-of-custody procedures. Prior to each cleanup confirmation sampling event, notice was provided to the NMOCD in accordance with NMAC 19.15.29.12(D). Copies of the notifications are attached.

Upon review of the laboratory analytical results for the sample collected from the over-excavated TH-3/TH3-A excavation area, all 18 samples were noted to have TPH concentrations below the applicable Table 1 Closure Criteria for TPH. The samples were also noted to have BTEX and Chloride concentrations within the Table 1 Closure criteria for the respective constituents.

3.5 Final Confirmation Sample Results

Upon review of the final confirmation sample results, all areas have been brought into attainment of the Table 1 (groundwater >100 feet) criteria and/or the Restoration, Reclamation and Re-Vegetation criteria detailed in 19.15.29.13 NMAC. Comprehensive sample result tables summarizing the laboratory sample results for all samples collected during the remediation process are attached. Copies of the laboratory analytical reports including chain-of-custody documentation are attached.

3.6 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 & 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 site assessment activities and results of the cleanup confirmation soil samples, 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

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

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Incident ID	nAPP2305245917
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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 # nAPP2305245917
Contact mailing address 104 S. 4th Street, Artesia, NM 88210	

Location of Release Source

Latitude 32.67669 Longitude -104.50286
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Thomas #1 Pipeline	Site Type Historical Pipeline
Date Release Discovered 02/21/2023	API#

Unit Letter	Section	Township	Range	County
G	8	19S	25E	Eddy

Surface Owner: State Federal Tribal Private (Name: Thomas Estate)

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 A notice was provided by a grazing lessee of possible historical impacts remaining in an area adjacent to a historical pipeline which possibly connected to the Thomas #001. The well was plugged in 1994, so the exact path of pipelines is unknown. Based on the initial assessment of the area completed by the environmental consultant retained to oversee the project, it was suggested that a C-141 be submitted due to the nature and scale of the impacts. There is no historical record of a reportable release at this site or Thomas #001.

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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>02/21/2023</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>02/21/2023</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 188902

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 188902
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	2/22/2023

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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?	~119.83 (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 1/2-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

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

State of New Mexico
Oil Conservation Division

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Received by: Jocelyn Harimon Date: 05/23/2023

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

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

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 Signature: Chase Settle Date: 05/22/2023
 email: Chase_Settle@eogresources.com Telephone: 575-748-1471

OCD Only

Received by: Jocelyn Harimon Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

FIGURES

Topographic Map
Area Map

DTGW Information Location Map

National Wetland Inventory Map

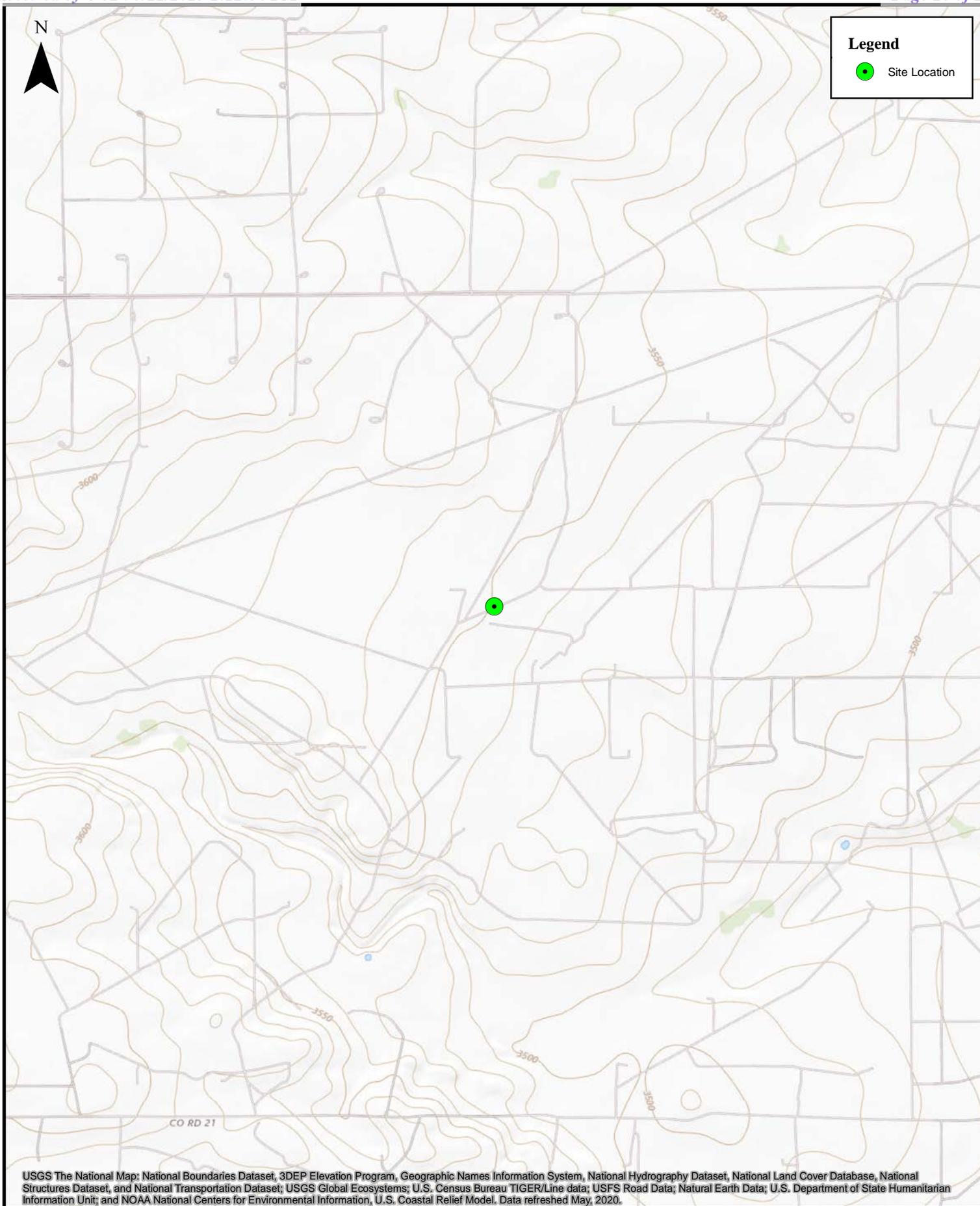
FEMA Floodplain Map

Karst Topography Map

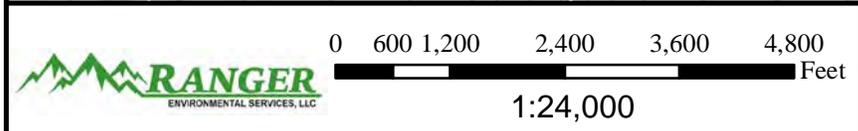
Assessment Sample Location Map

Primary Excavation Area and Confirmation Sample Location Map

TH-3/TH-3A Excavation Area and Confirmation Sample Location
Map

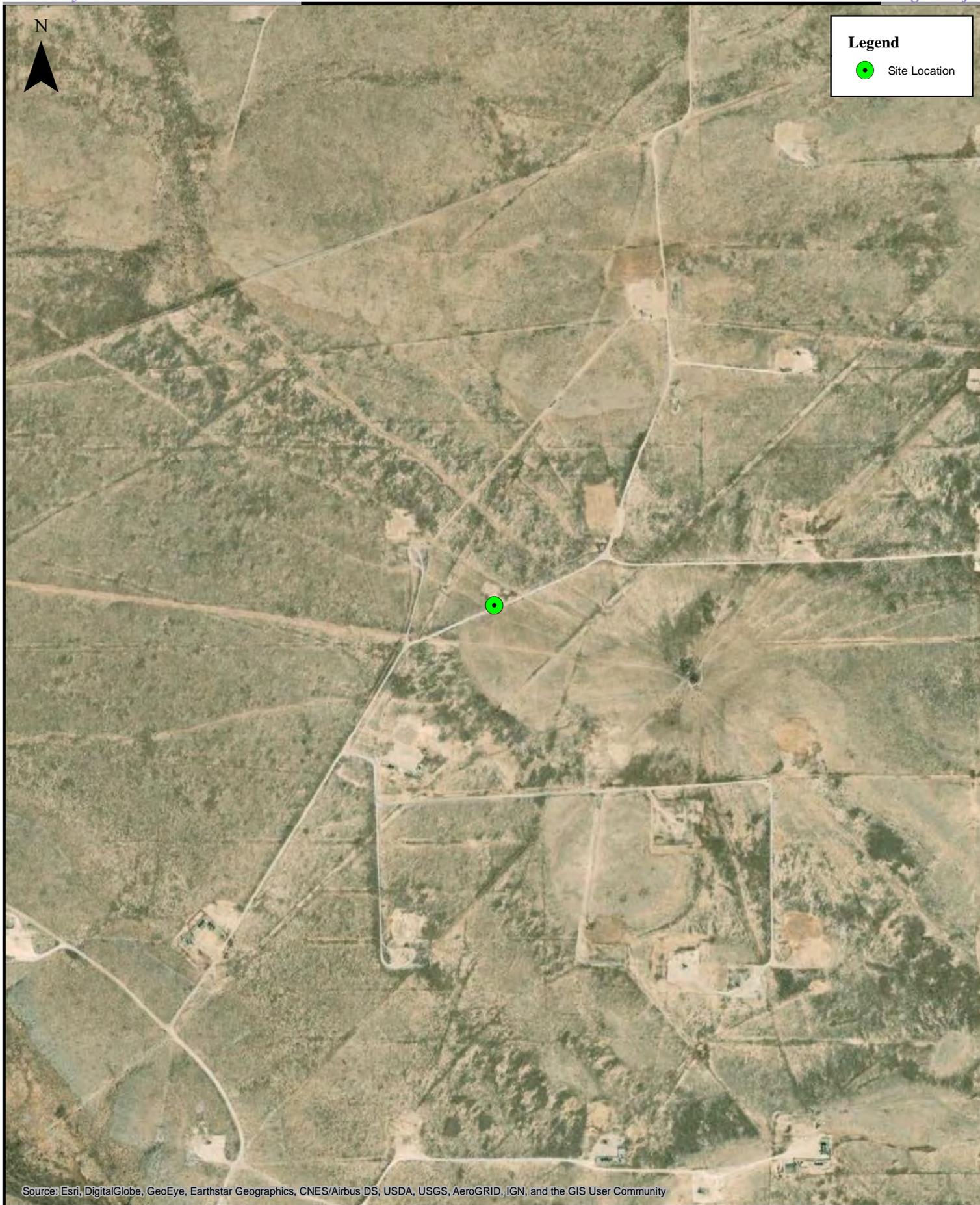


USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS Road Data; Natural Earth Data; U.S. Department of State Humanitarian Information Unit; and NOAA National Centers for Environmental Information, U.S. Coastal Relief Model. Data refreshed May, 2020.



1:24,000

Topographic Map
 Thomas #1 Pipeline
 EOG Resources, Inc.



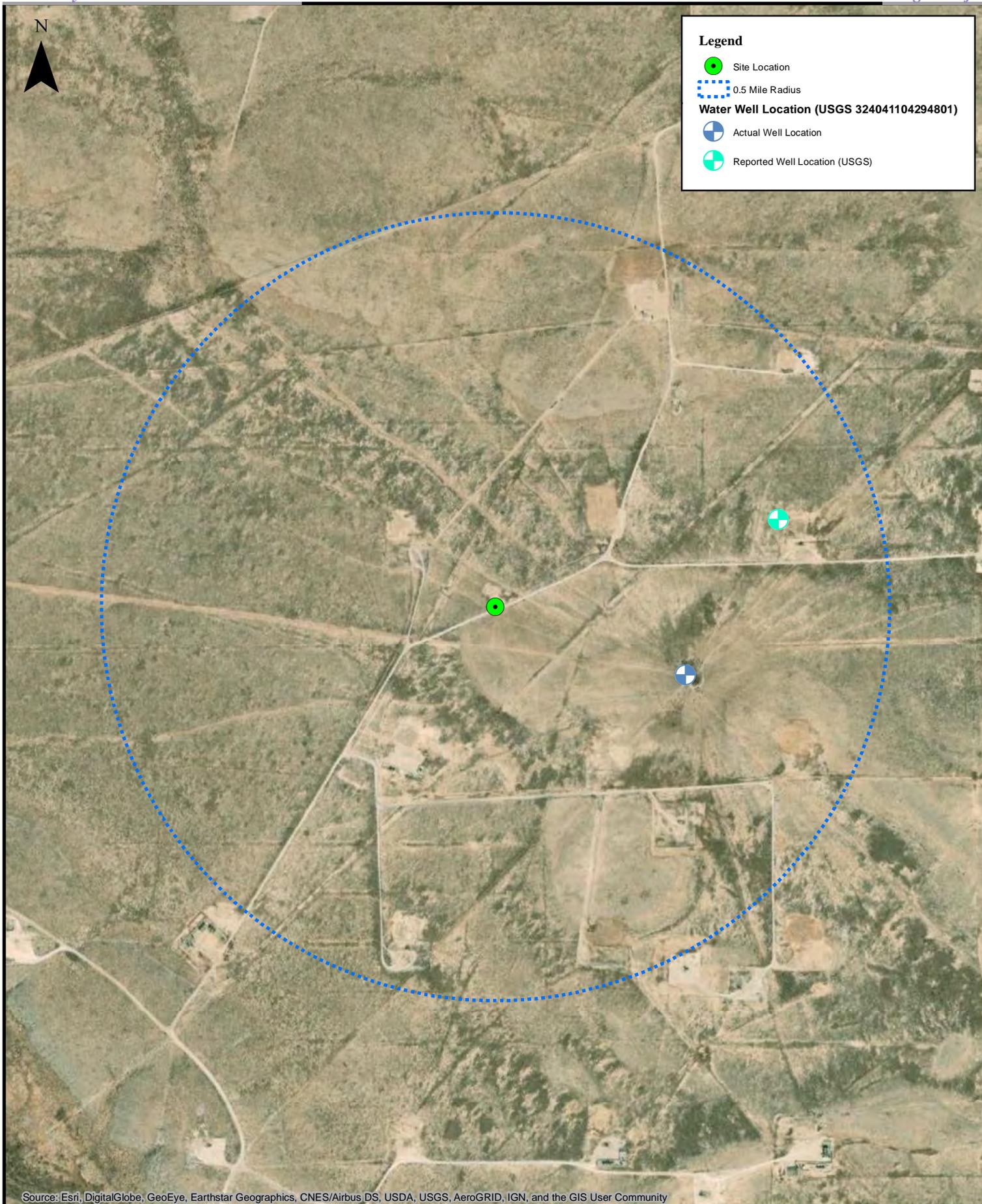
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



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

1:10,000

Area Map
Thomas #1 Pipeline
EOG Resources, Inc.



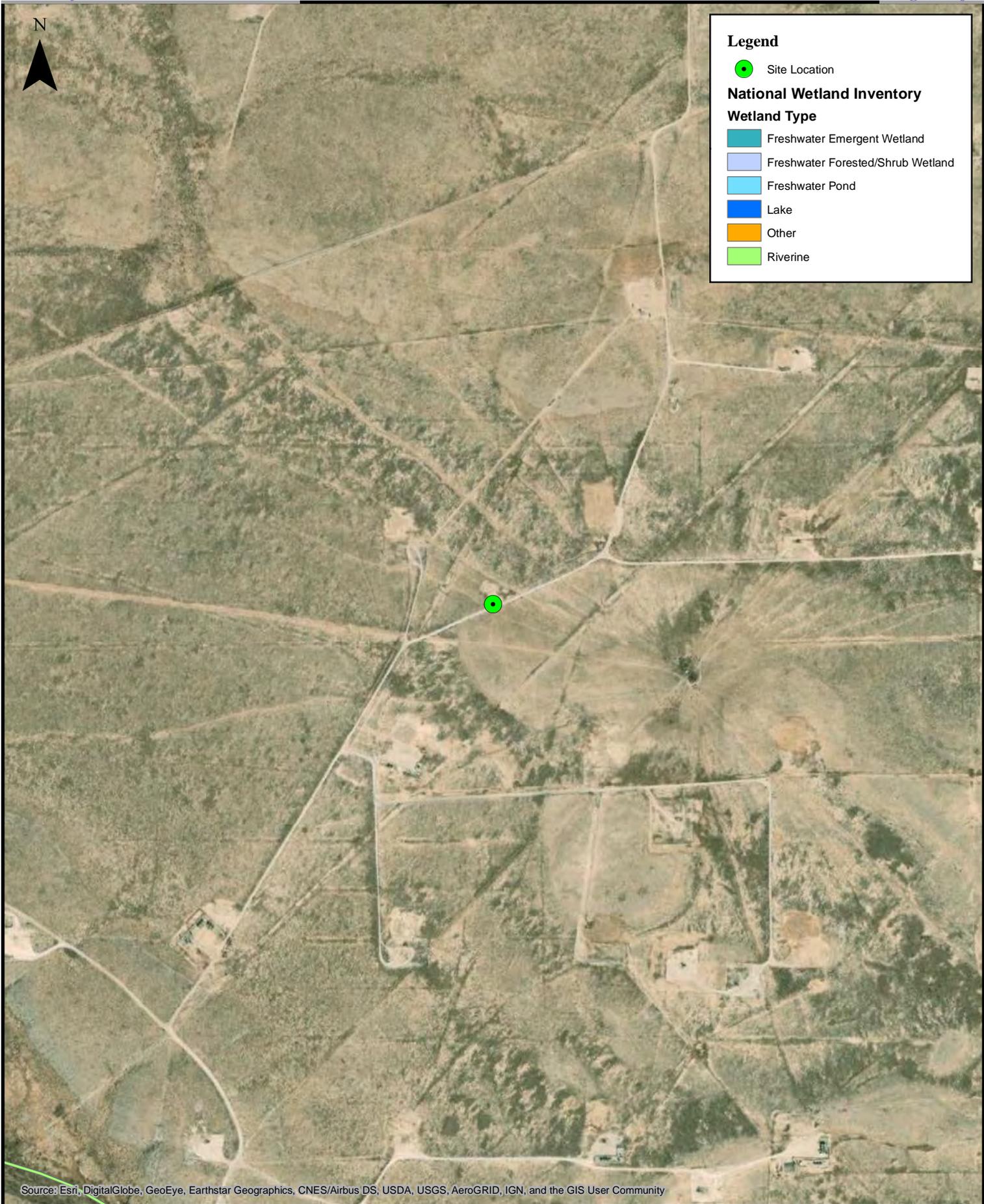
Legend

- Site Location
- 0.5 Mile Radius
- Water Well Location (USGS 324041104294801)**
- Actual Well Location
- Reported Well Location (USGS)

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

 0 250 500 1,000 1,500 2,000 Feet
1:10,000

DTGW Information Location Map
Thomas #1 Pipeline
EOG Resources, Inc.



Legend

- Site Location

National Wetland Inventory

Wetland Type

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

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



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

1:10,000

National Wetland Inventory Map

Thomas #1 Pipeline

EOG Resources, Inc.



Legend

 Site Location

FEMA Flood Zone

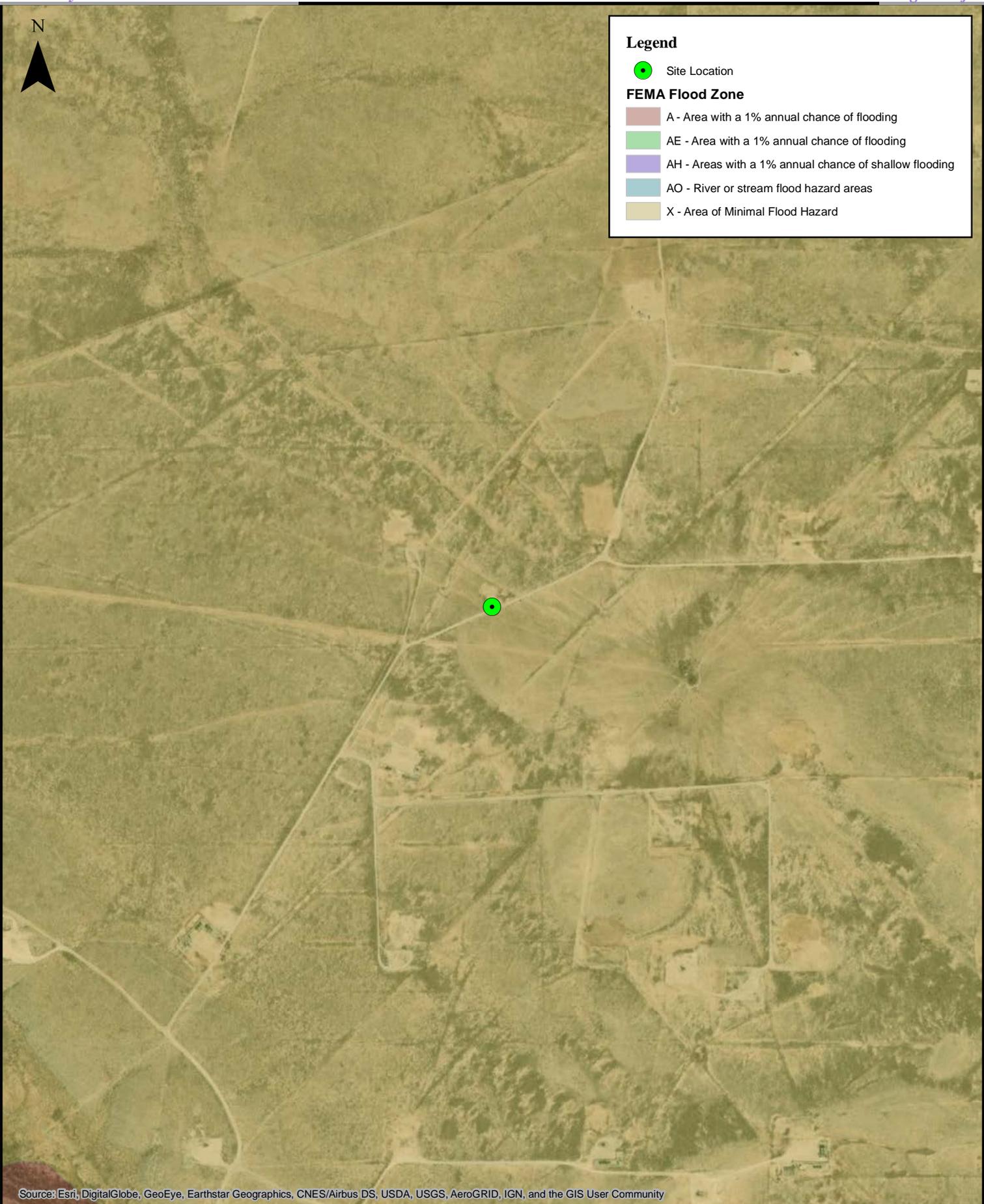
 A - Area with a 1% annual chance of flooding

 AE - Area with a 1% annual chance of flooding

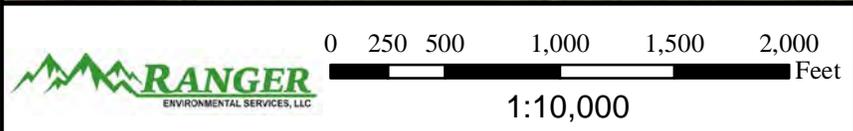
 AH - Areas with a 1% annual chance of shallow flooding

 AO - River or stream flood hazard areas

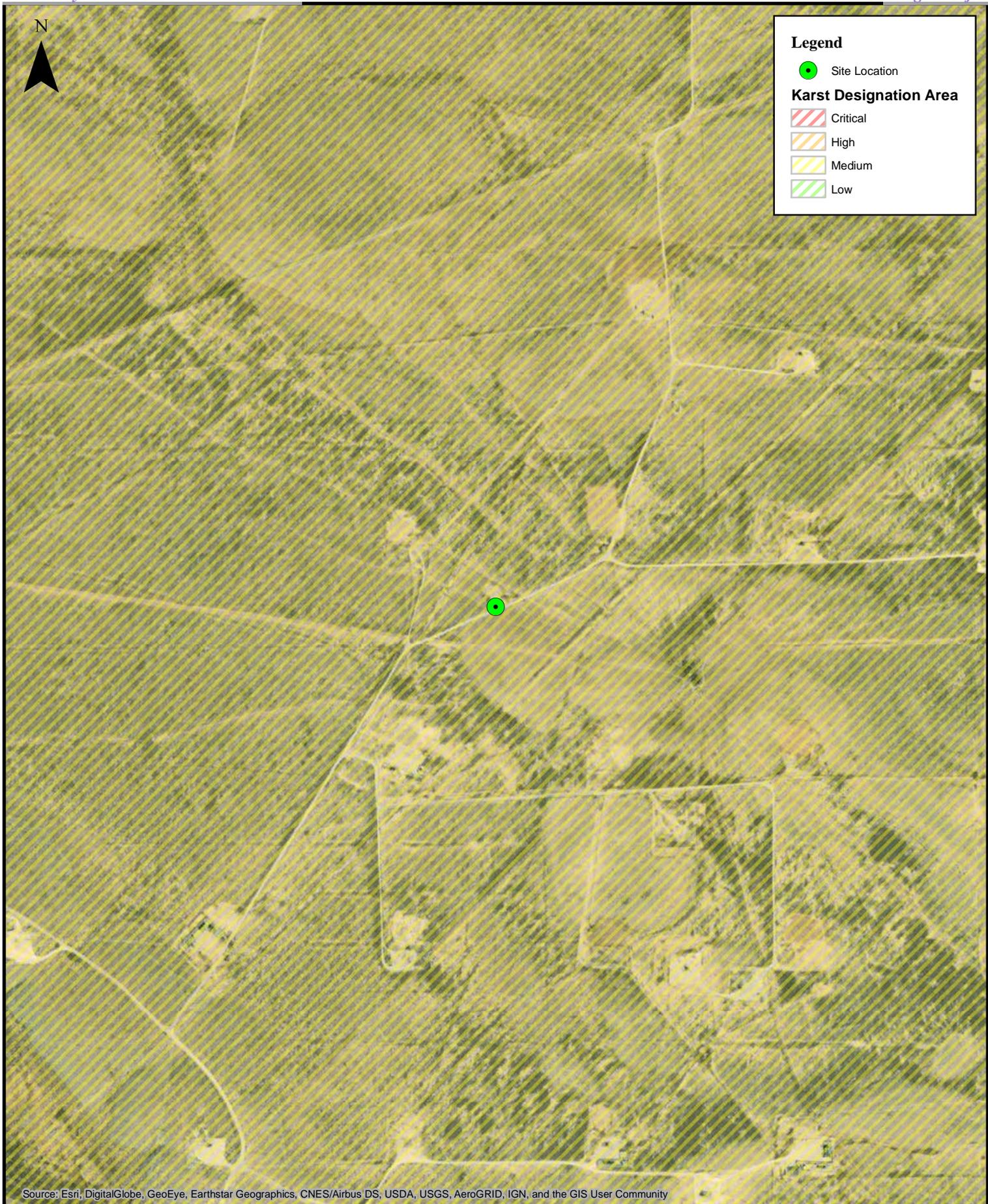
 X - Area of Minimal Flood Hazard



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



FEMA Floodplain Map
Thomas #1 Pipeline
EOG Resources, Inc.



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



1:10,000

Karst Topography Map
Thomas #1 Pipeline
EOG Resources, Inc.

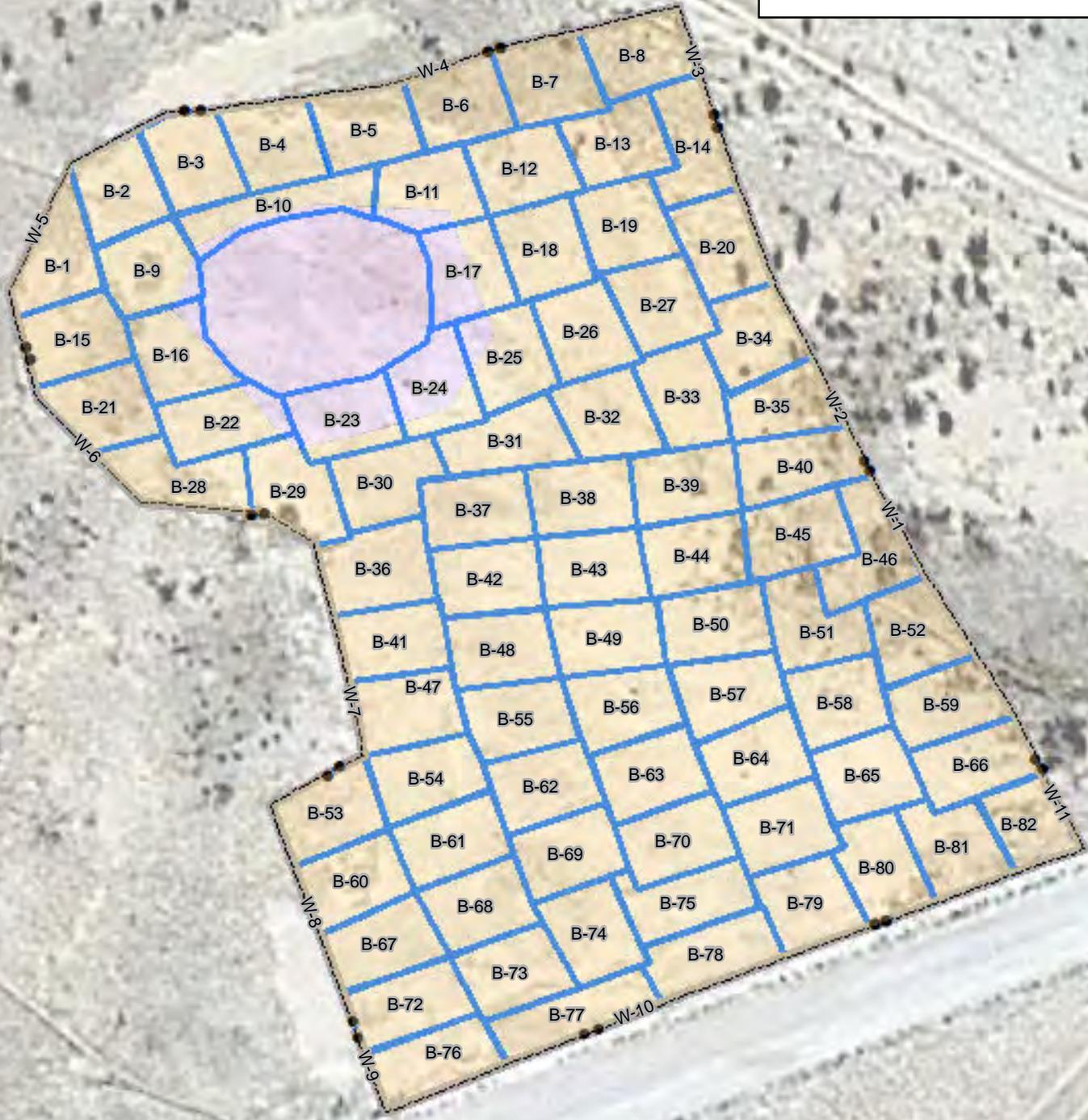


Legend

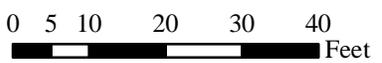
- Excavation Wall Sample Area
- Excavation Base Sample Area

Final Excavation Area

- Primary Excavation Area (~4' Deep)
- TH-3/TH-3A Excavation Area (~18' Deep)

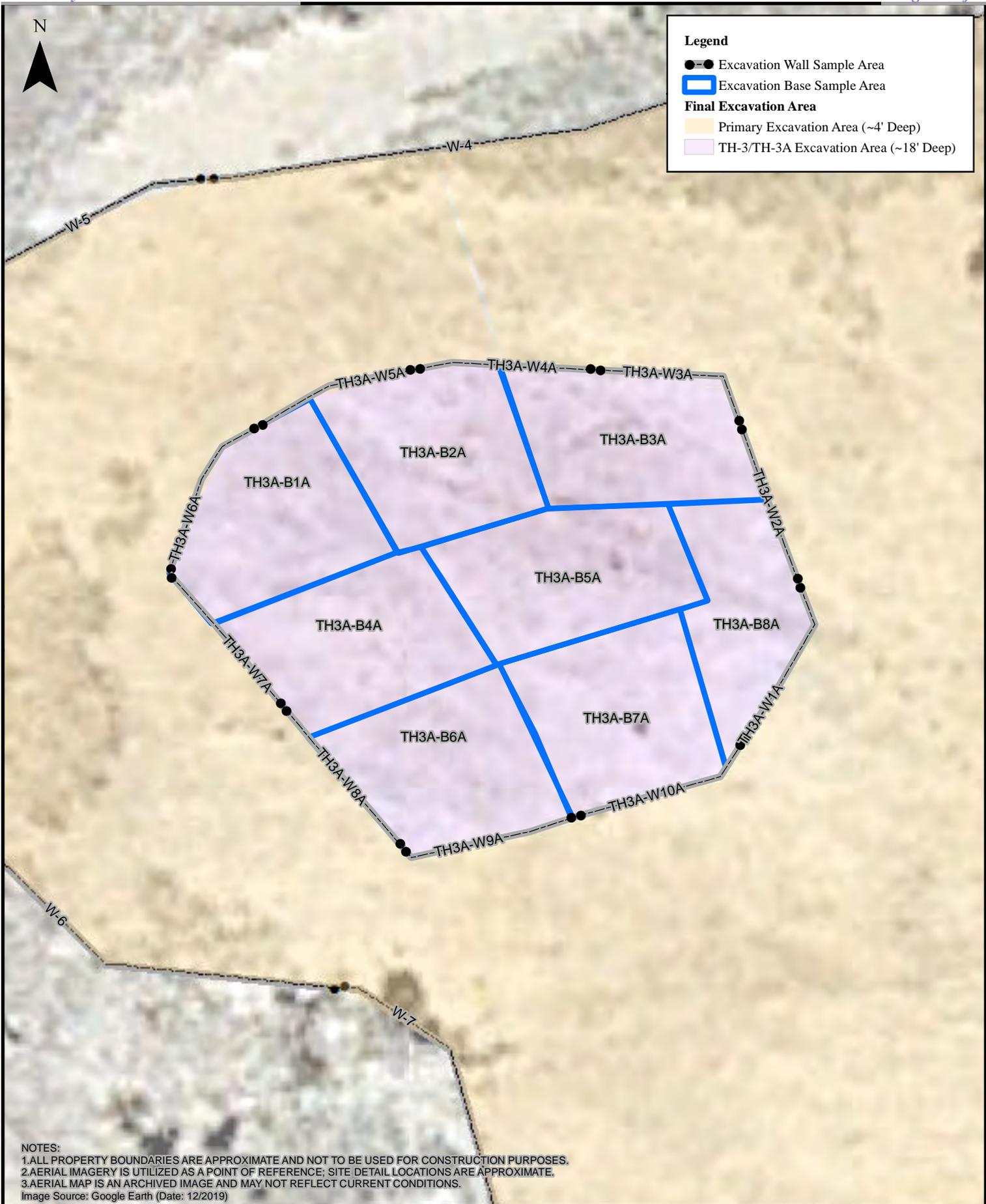


NOTES:
 1. ALL PROPERTY BOUNDARIES ARE APPROXIMATE AND NOT TO BE USED FOR CONSTRUCTION PURPOSES.
 2. AERIAL IMAGERY IS UTILIZED AS A POINT OF REFERENCE; SITE DETAIL LOCATIONS ARE APPROXIMATE.
 3. AERIAL MAP IS AN ARCHIVED IMAGE AND MAY NOT REFLECT CURRENT CONDITIONS.
 Image Source: Google Earth (Date: 12/2019)

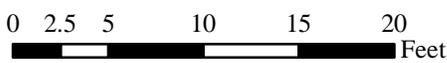


1:300

**Primary Excavation Area and Confirmation
 Sample Location Map**
 Thomas #1 Pipeline
 EOG Resources, Inc.



NOTES:
 1. ALL PROPERTY BOUNDARIES ARE APPROXIMATE AND NOT TO BE USED FOR CONSTRUCTION PURPOSES.
 2. AERIAL IMAGERY IS UTILIZED AS A POINT OF REFERENCE; SITE DETAIL LOCATIONS ARE APPROXIMATE.
 3. AERIAL MAP IS AN ARCHIVED IMAGE AND MAY NOT REFLECT CURRENT CONDITIONS.
 Image Source: Google Earth (Date: 12/2019)



1:120



**TH-3/TH-3A Excavation Area and Confirmation
 Sample Location Map**
 Thomas #1 Pipeline
 EOG Resources, Inc.

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/SM4500) Analytical Data

SITE ASSESSMENT SOIL BTEX (EPA 8021), TPH (SW 8015) & CHLORIDE (EPA 300) ANALYTICAL DATA													
EOG RESOURCES, INC.													
THOMAS #1 PIPELINE													
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
Initial Assessment Soil Samples													
TH-1/2	2/17/2023	2'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<9.3	<46	<9.3	<46	2,500
TH-1/4	2/17/2023	4'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	<10	<50	<10	<50	1,100
TH-2/3	2/17/2023	3'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	140	350	140	500	1,600
TH-2/4	2/17/2023	4'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	220	490	220	710	1,100
TH-3/2	2/17/2023	2'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	13	<48	13	13	3,700
TH-3/5	2/17/2023	5'	<0.12	<0.24	2.9	2.8	5.7	70	23,000	16,000	23,070	39,070	2,400
TH-3/6	2/17/2023	6'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	12,000	8,500	12,000	20,500	2,100
TH-4/3	2/17/2023	3'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<9.6	<48	<9.6	<48	530
TH-4/4	2/17/2023	4'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<9.3	<46	<9.3	<46	2,800
TH-5/1	2/17/2023	1'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.7	<48	<9.7	<48	3,200
TH-5/4	2/17/2023	4'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.3	<46	<9.3	<46	1,700
TH-6/2	2/17/2023	2'	<0.023	<0.047	<0.047	<0.094	<0.09	<4.7	37	130	37	167	<60
TH-6/4	2/17/2023	4'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.8	<49	<9.8	<49	<59
TH-7/2	2/17/2023	2'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.2	<46	<9.2	<46	2,400
TH-7/4	2/17/2023	4'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<9.3	<47	<9.3	<47	1,100
TH-8/2	2/17/2023	2'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<9.6	<48	<9.6	<48	2,900
TH-8/4	2/17/2023	4'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	<9.6	<48	<9.6	<48	780
TH-9/2	2/17/2023	2'	<0.023	<0.047	<0.047	<0.093	<0.09	<4.7	12	64	12	76	1,400
TH-9/4	2/17/2023	4'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<9.6	<48	<9.6	<48	1,000
TH-10/1	2/17/2023	1'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.3	<47	<9.3	<47	4,500
TH-10/4	2/17/2023	4'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.2	<46	<9.2	<46	1,200
Additional Assessment Soil Samples													
TH-3A/16'	3/9/2023	16'	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	960	640	960	1,600	3,900
TH-3A/18'	3/9/2023	18'	<0.025	<0.050	0.23	0.30	0.53	5.7	1,300	780	1,305.7	2,085.7	3,100
TH-3AN/4'	3/9/2023	4'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	180	290	180	470	2,100
TH-3AN/8'	3/9/2023	8'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<9.9	<50	<9.9	<50	2,600
TH-3AE/4'	3/9/2023	4'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	69	73	69	142	2,600
TH-3AE/8'	3/9/2023	8'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	<7.1	<36	<7.1	<36	740
TH-3AS/4'	3/9/2023	4'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.8	<49	<9.8	<49	2,300
TH-3AS/8'	3/9/2023	8'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.7	<48	<9.7	<48	4,400
TH-3AW/4'	3/9/2023	4'	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	45	<49	45	45	2,200
TH-3AW/8'	3/9/2023	8'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<9.9	<50	<9.9	<50	2,100
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/SM4500) ANALYTICAL DATA
EOG RESOURCES, INC.
THOMAS #1 PIPELINE**

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
PRIMARY (4' DEEP) EXCAVATION AREA SOIL SAMPLES													
<i>Excavation Area Side Wall Soil Samples</i>													
W-1		0-4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<10	<50	<10	<50	220
W-2	3/9/2023	0-4'	<0.023	<0.046	<0.046	<0.093	<0.09	<4.6	13	<49	13	13	130
W-3	3/10/2023	0-4'	<0.024	<0.047	<0.047	<0.094	<0.09	<4.7	<9.1	<46	<9.1	<46	76
W-4	3/10/2023	0-4'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<9.8	<49	<9.8	<49	75
W-5	3/10/2023	0-4'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.8	<49	<9.8	<49	81
W-6	3/9/2023	0-4'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.7	<48	<9.7	<48	480
W-7	3/9/2023	0-4'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	10	<49	10	10	110
W-8	3/9/2023	0-4'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.5	<47	<9.5	<47	92
W-9	3/30/2023	0-4'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.4	<47	<9.4	<47	370
W-10	3/30/2023	0-4'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<9.7	<49	<9.7	<49	460
W-11	3/30/2023	0-4'	<0.023	<0.047	<0.047	<0.094	<0.09	<4.7	<10	<50	<10	<50	330
<i>Excavation Area Base Soil Samples</i>													
B-1	3/29/2023	4'	<0.023	<0.047	<0.047	<0.094	<0.09	<4.7	16	<48	16	16	2,300
B-2	3/29/2023	4'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	29	<49	29	29	450
B-3	3/29/2023	4'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	290	96	290	386	2,000
B-4	3/29/2023	4'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	220	92	220	312	1,800
B-5	3/29/2023	4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	13	<46	13	13	3,300
B-6	3/29/2023	4'	<0.023	<0.046	<0.046	<0.093	<0.09	<4.6	37	<49	37	37	640
B-7	3/29/2023	4'	<0.023	<0.046	<0.046	<0.091	<0.09	<4.6	630	300	630	920	2,000
B-8	3/29/2023	4'	<0.024	<0.047	<0.047	<0.094	<0.09	<4.7	26	<46	26	26	550
B-9	3/29/2023	4'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	14	<50	14	14	2,800
B-10	3/29/2023	4'	<0.023	<0.046	<0.046	<0.091	<0.09	<4.6	23	<49	23	23	620
B-11	3/29/2023	4'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	680	240	680	920	2,000
B-12	3/29/2023	4'	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	31	<46	31	31	670
B-13	3/29/2023	4'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	15	<48	15	15	3,600
B-14	3/29/2023	4'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	29	<49	29	29	1,100
B-15	3/29/2023	4'	<0.023	<0.047	<0.047	<0.094	<0.09	<4.7	610	280	610	890	2,300
B-16	3/29/2023	4'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	25	<49	25	25	680
B-17	3/29/2023	4'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	49	<48	49	49	900
B-18	3/29/2023	4'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	9.7	<47	9.7	9.7	4,200
B-19	3/29/2023	4'	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	51	<49	51	51	1,000
B-20	3/29/2023	4'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	570	230	570	800	2,300
B-21	3/29/2023	4'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	470	190	470	660	1,800
B-22	3/29/2023	4'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	35	<48	35	35	1,000
B-23	3/29/2023	4'	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	16	<49	16	16	2,200
B-24	3/29/2023	4'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	36	<49	36	36	1,300
B-25	3/29/2023	4'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	450	190	450	640	1,900
B-26	3/29/2023	4'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	34	<48	34	34	560
B-27	3/29/2023	4'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	14	<47	14	14	1,600
B-28	3/29/2023	4'	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	18	<46	18	18	1,800
B-29	3/29/2023	4'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	630	270	630	900	2,200
B-30	3/29/2023	4'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	59	<49	59	59	870
B-31	3/29/2023	4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	11	<50	11	11	2,300
B-32	3/29/2023	4'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	36	<48	36	36	960
B-33	3/29/2023	4'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	460	220	460	680	2,100
B-34	3/29/2023	4'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	26	<50	26	26	880
B-35	3/29/2023	4'	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	530	250	530	780	1,900
B-36	3/29/2023	4'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	32	<50	32	32	1,300
B-37	3/29/2023	4'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	420	210	420	630	1,600
B-38	3/29/2023	4'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	13	<49	13	13	3,100
B-39	3/29/2023	4'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	600	260	600	860	2,100
B-40	3/29/2023	4'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	14	<48	14	14	1,800
B-41	3/29/2023	4'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	690	330	690	1,020	2,200
B-42	3/29/2023	4'	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	96	<47	96	96	1,300
B-43	3/29/2023	4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	12	<48	12	12	2,400
B-44	3/29/2023	4'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	680	340	680	1,020	1,600
B-45	3/29/2023	4'	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	11	<47	11	11	2,100
B-46	3/29/2023	4'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	550	280	550	830	1,800
B-47	3/29/2023	4'	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	10	<49	10	10	2,300
B-48	3/29/2023	4'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	570	250	570	820	2,200
B-49	3/29/2023	4'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	12	<48	12	12	1,900
B-50	3/29/2023	4'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	430	200	430	630	2,100
B-51	3/30/2023	4'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	98	<51	98	98	2,400
B-52	3/30/2023	4'	<0.023	<0.047	<0.047	<0.093	<0.09	<4.7	15	<49	15	15	1,900
B-53	3/30/2023	4'	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	52	<49	52	52	2,400
B-54	3/30/2023	4'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.9	<50	<9.9	<50	1,200
B-55	3/30/2023	4'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	270	130	270	400	2,100
B-56	3/30/2023	4'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	13	<50	13	13	2,200
B-57	3/30/2023	4'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	43	<45	43	43	2,100
B-58	3/30/2023	4'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	10	<46	10	10	1,100
B-59	3/30/2023	4'	<0.023	<0.047	<0.047	<0.094	<0.09	<4.7	220	120	220	340	2,100
B-60	3/30/2023	4'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.8	<49	<9.8	<49	1,100
B-61	3/30/2023	4'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	310	170	310	480	2,200

CONFIRMATION SOIL SAMPLE BTEX (EPA 8021), TPH (SW 8015) & CHLORIDE (EPA 300/SM4500) ANALYTICAL DATA
EOG RESOURCES, INC.
THOMAS #1 PIPELINE

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

SAMPLE ID	DATE	DEPTH (FT)	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C6-C10	TPH DRO C10-C28	TPH MRO C28-C36	TPH (GRO+DRO)	TPH (GRO+DRO+MRO)	CHLORIDE
B-62	3/30/2023	4'	<0.023	<0.047	<0.047	<0.094	<0.09	<4.7	<9.3	<46	<9.3	<46	2,100
B-63	3/30/2023	4'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	10	<49	10	10	2,300
B-64	3/30/2023	4'	<0.024	<0.047	<0.047	<0.094	<0.09	<4.7	<9.4	<47	<9.4	<47	1,200
B-65	3/30/2023	4'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	250	130	250	380	2,300
B-66	3/30/2023	4'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	17	<46	17	17	2,300
B-67	3/30/2023	4'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	430	220	430	650	2,100
B-68	3/30/2023	4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	18	56	18	74	2,100
B-69	3/30/2023	4'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	13	<46	13	13	1,200
B-70	3/30/2023	4'	<0.024	<0.047	<0.047	<0.094	<0.09	<4.7	250	120	250	370	2,100
B-71	3/30/2023	4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	13	<47	13	13	1,000
B-72	3/30/2023	4'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	22	61	22	83	2,300
B-73	3/30/2023	4'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	16	50	16	66	1,100
B-74	3/30/2023	4'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.3	<47	<9.3	<47	1,200
B-75	3/30/2023	4'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	19	<49	19	19	2,400
B-76	3/30/2023	4'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	140	73	140	213	2,300
B-77	3/30/2023	4'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	14	<44	14	14	1,200
B-78	3/30/2023	4'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	<9.8	<49	<9.8	<49	2,300
B-79	3/30/2023	4'	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	200	100	200	300	2,400
B-80	3/30/2023	4'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	11	<46	11	11	2,400
B-81	3/30/2023	4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	37	88	37	125	930
B-82	3/30/2023	4'	<0.023	<0.047	<0.047	<0.093	<0.09	<4.7	<9.7	<49	<9.7	<49	2,300

TH-3/TH-3A EXCAVATION AREA SOIL SAMPLES

Excavation Area Wall Soil Samples													
TH3A-W1	3/29/2023	4'-16'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	9,300	4,400	9,300	13,700	3,900
TH3A-W2	3/29/2023	4'-16'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	1,500	800	1,500	2,300	6,600
TH3A-W3	3/29/2023	4'-16'	<0.12	<0.24	0.30	0.72	1.02	<24	13,000	5,200	13,000	18,200	4,900
TH3A-W4	3/29/2023	4'-16'	<0.025	<0.049	0.10	0.25	0.35	9.4	7,900	4,500	7,900	12,400	6,900
TH3A-W5	3/29/2023	4'-16'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	6,400	3,400	6,400	10,200	6,900
TH3A-W1A	5/10/2023	4'-18'	<0.016	<0.032	<0.032	<0.063	<0.06	<3.2	<8.6	<43	<8.6	<43	1,300
TH3A-W2A	5/10/2023	4'-18'	<0.018	<0.035	<0.035	<0.071	<0.07	<3.5	24	50	24	74	1,000
TH3A-W3A	5/10/2023	4'-18'	<0.017	<0.033	<0.033	<0.066	<0.07	<3.3	<9.6	<48	<9.6	<48	2,300
TH3A-W4A	5/19/2023	4'-18'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	1,200
TH3A-W5A	5/19/2023	4'-18'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	1,620
TH3A-W6A	5/19/2023	4'-18'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	2,680
TH3A-W7A	5/19/2023	4'-18'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	1,960
TH3A-W8A	5/19/2023	4'-18'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	1,760
TH3A-W9A	5/19/2023	4'-18'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	1,520
TH3A-W10A	5/19/2023	4'-18'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	1,340

Excavation Area Base Soil Samples													
TH3A-B1	3/29/2023	16'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	12,000	7,700	12,000	19,700	7,800
TH3A-B2	3/29/2023	16'	<0.023	<0.046	0.19	0.44	0.63	16	12,000	6,700	12,016	18,716	4,200
TH3A-B3	3/29/2023	16'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	5,200	2,600	5,200	7,800	4,900
TH3A-B4	3/29/2023	16'	<0.12	<0.24	1.0	1.8	2.8	44	10,000	4,400	10,044	14,444	4,600
TH3A-B5	3/29/2023	16'	<0.024	<0.048	0.54	0.93	1.52	25	10,000	5,000	10,025	15,025	5,100
TH3A-B1A	5/10/2023	18'	<0.018	<0.035	<0.035	<0.070	<0.07	<3.5	<9.0	<45	<9.0	<45	1,600
TH3A-B2A	5/10/2023	18'	<0.016	<0.031	<0.031	<0.063	<0.06	<3.1	<9.0	<45	<9.0	<45	1,400
TH3A-B3A	5/10/2023	18'	<0.019	<0.039	<0.039	<0.077	<0.08	<3.9	<8.7	<43	<8.7	<43	2,400
TH3A-B4A	5/10/2023	18'	<0.017	<0.034	<0.034	<0.067	<0.07	<3.4	<9.8	<49	<9.8	<49	1,900
TH3A-B5A	5/10/2023	18'	<0.017	<0.034	<0.034	<0.069	<0.07	<3.4	<8.3	<42	<8.3	<42	1,600
TH3A-B6A	5/10/2023	18'	<0.014	<0.029	<0.029	<0.057	<0.06	<2.9	<9.2	<46	<9.2	<46	2,300
TH3A-B7A	5/10/2023	18'	<0.019	<0.037	<0.037	<0.075	<0.07	<3.7	<9.2	<46	<9.2	<46	2,700
TH3A-B8A	5/10/2023	18'	<0.017	<0.034	<0.034	<0.068	<0.07	<3.4	<9.5	<47	<9.5	<47	1,400

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:**
- Results exceeding the Table 1 Closure Criteria are presented in bold type and are highlighted yellow.
 - Results exceeding the NMAC Restoration, Reclamation and re-vegetation chloride concentration requirements are presented in bold red type.
 - Value derived from the State of New Mexico Energy, Minerals and Natural Resources Department document Procedures for the Implementation of the Spill Rule (19.15.29 NMAC) dated September 6, 2019.
 - Strikethrough indicates sample area was overexcavated and disposed off-site.

ATTACHMENT 1 – DEPTH-TO-GROUNDWATER INFORMATION



USGS Home
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National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

- Explore the *NEW* [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.
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Groundwater levels for the Nation

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

Search Results -- 1 sites found

site_no list =

- 324041104294801

Minimum number of levels = 1

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

USGS 324041104294801 19S.25E.08.42222

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°40'41", Longitude 104°29'48" NAD27

Land-surface elevation 3,539 feet above NAVD88

The depth of the well is 142 feet below land surface.

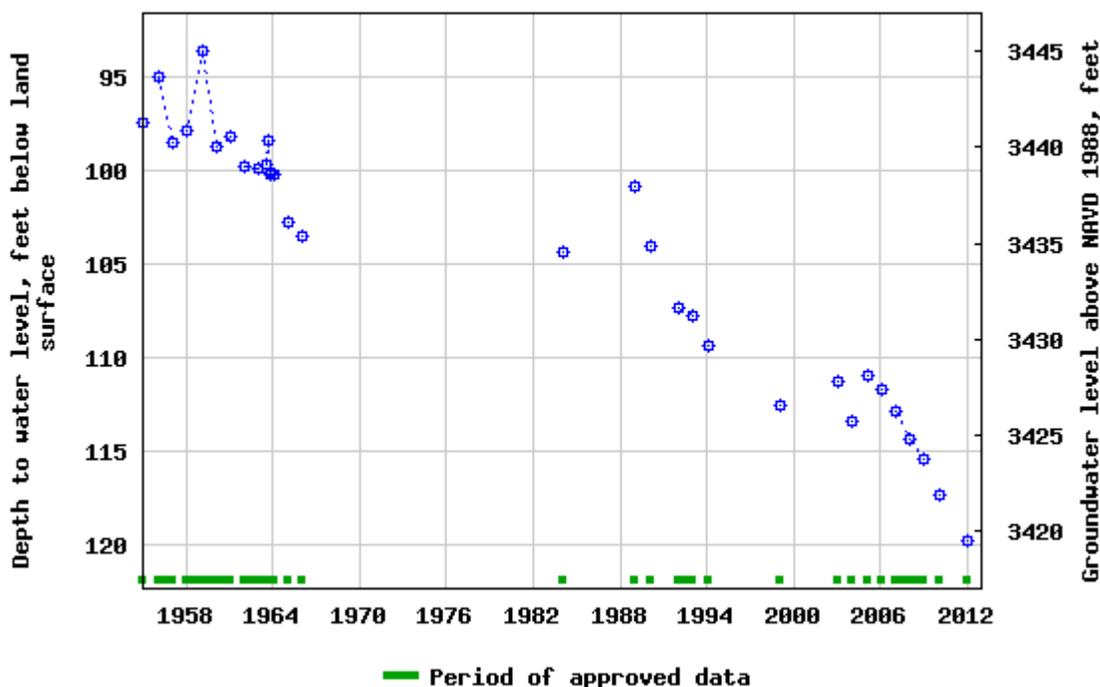
This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.

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

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

USGS 324041104294801 19S.25E.08.42222



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

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Title: Groundwater for USA: Water Levels

URL: [https://nwis.waterdata.usgs.gov/nwis/gwlevels?](https://nwis.waterdata.usgs.gov/nwis/gwlevels?site=324041104294801)



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

Page Last Modified: 2023-02-13 13:45:39 EST

0.73 0.59 nadww01

ATTACHMENT 2 - SITE PHOTOGRAPHS



PHOTOGRAPH NO. 1 – A view collected at the Site during the initial assessment process on February 17, 2023. The view is towards the northwest.
(Approximate GPS Coordinates: 32.676425, -104.502780)



PHOTOGRAPH NO. 2 – A view collected at the Site during the remedial excavation process on February 24, 2023. The view is towards the southwest.
(Approximate GPS Coordinates: 32.676955, -104.502776)



PHOTOGRAPH NO. 3 – A view of the additional assessment activities in the TH-3/TH-3A area on March 9, 2023. The view is towards the west.
(Approximate GPS Coordinates: 32.676778, -104.502896)



PHOTOGRAPH NO. 4 – A view of the primary excavation area during the confirmation sampling on March 30, 2023. The view is towards the northwest.
(Approximate GPS Coordinates: 32.676393, -104.502770)



Mar 30, 2023 at 3:34:39 PM
Artesia NM 88210
United States

PHOTOGRAPH NO. 5 – An additional view of the primary excavation area on March 30, 2023. The view is towards the north.

(Approximate GPS Coordinates: 32.676367, -104.502950)



May 9, 2023 at 9:23:12 AM
Artesia NM 88210
United States

PHOTOGRAPH NO. 6 – A view of the TH-3/TH-3A excavation area during the additional removal and confirmation sampling activities on May 9, 2023. The view is towards the west.

(Approximate GPS Coordinates: 32.676777, -104.502878)



PHOTOGRAPH NO. 7 – A view of the TH-3/TH-3A excavation area. The view is towards the north.

(Approximate GPS Coordinates: 32.676677, -104.503015)

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

March 06, 2023

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

RE: Thomas 1 Pipeline

OrderNo.: 2302851

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 22 sample(s) on 2/21/2023 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 in a cursive style.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order **2302851**

Date Reported: **3/6/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-3/2

Project: Thomas 1 Pipeline

Collection Date: 2/17/2023 9:24:00 AM

Lab ID: 2302851-001

Matrix: SOIL

Received Date: 2/21/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	3700	150		mg/Kg	50	2/24/2023 5:33:37 PM	73360
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	13	9.6		mg/Kg	1	2/23/2023 8:08:07 PM	73305
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/23/2023 8:08:07 PM	73305
Surr: DNOP	112	69-147		%Rec	1	2/23/2023 8:08:07 PM	73305
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/28/2023 10:11:08 AM	73291
Surr: BFB	103	37.7-212		%Rec	1	2/28/2023 10:11:08 AM	73291
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	2/28/2023 10:11:08 AM	73291
Toluene	ND	0.047		mg/Kg	1	2/28/2023 10:11:08 AM	73291
Ethylbenzene	ND	0.047		mg/Kg	1	2/28/2023 10:11:08 AM	73291
Xylenes, Total	ND	0.095		mg/Kg	1	2/28/2023 10:11:08 AM	73291
Surr: 4-Bromofluorobenzene	94.8	70-130		%Rec	1	2/28/2023 10:11:08 AM	73291

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

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

Analytical Report

Lab Order **2302851**

Date Reported: **3/6/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-3/5

Project: Thomas 1 Pipeline

Collection Date: 2/17/2023 10:56:00 AM

Lab ID: 2302851-002

Matrix: SOIL

Received Date: 2/21/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	2400	150		mg/Kg	50	2/24/2023 5:45:57 PM	73360
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	23000	980		mg/Kg	100	2/24/2023 4:07:48 PM	73305
Motor Oil Range Organics (MRO)	16000	4900		mg/Kg	100	2/24/2023 4:07:48 PM	73305
Surr: DNOP	0	69-147	S	%Rec	100	2/24/2023 4:07:48 PM	73305
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	70	24		mg/Kg	5	2/28/2023 2:56:45 PM	73291
Surr: BFB	180	37.7-212		%Rec	5	2/28/2023 2:56:45 PM	73291
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.12		mg/Kg	5	2/28/2023 2:56:45 PM	73291
Toluene	ND	0.24		mg/Kg	5	2/28/2023 2:56:45 PM	73291
Ethylbenzene	2.9	0.24		mg/Kg	5	2/28/2023 2:56:45 PM	73291
Xylenes, Total	2.8	0.48		mg/Kg	5	2/28/2023 2:56:45 PM	73291
Surr: 4-Bromofluorobenzene	110	70-130		%Rec	5	2/28/2023 2:56:45 PM	73291

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

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

Analytical Report

Lab Order **2302851**

Date Reported: **3/6/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-3/6

Project: Thomas 1 Pipeline

Collection Date: 2/17/2023 10:58:00 AM

Lab ID: 2302851-003

Matrix: SOIL

Received Date: 2/21/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	2100	150		mg/Kg	50	2/24/2023 6:23:01 PM	73360
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	12000	980		mg/Kg	100	2/24/2023 4:55:20 PM	73305
Motor Oil Range Organics (MRO)	8500	4900		mg/Kg	100	2/24/2023 4:55:20 PM	73305
Surr: DNOP	0	69-147	S	%Rec	100	2/24/2023 4:55:20 PM	73305
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/28/2023 2:33:07 PM	73291
Surr: BFB	102	37.7-212		%Rec	1	2/28/2023 2:33:07 PM	73291
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	2/28/2023 2:33:07 PM	73291
Toluene	ND	0.047		mg/Kg	1	2/28/2023 2:33:07 PM	73291
Ethylbenzene	ND	0.047		mg/Kg	1	2/28/2023 2:33:07 PM	73291
Xylenes, Total	ND	0.095		mg/Kg	1	2/28/2023 2:33:07 PM	73291
Surr: 4-Bromofluorobenzene	92.9	70-130		%Rec	1	2/28/2023 2:33:07 PM	73291

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

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

Analytical Report

Lab Order **2302851**

Date Reported: **3/6/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-2/3

Project: Thomas 1 Pipeline

Collection Date: 2/17/2023 9:46:00 AM

Lab ID: 2302851-004

Matrix: SOIL

Received Date: 2/21/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1600	60		mg/Kg	20	2/24/2023 12:34:27 AM	73360
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	140	47		mg/Kg	5	2/28/2023 3:58:16 PM	73309
Motor Oil Range Organics (MRO)	350	240		mg/Kg	5	2/28/2023 3:58:16 PM	73309
Surr: DNOP	105	69-147		%Rec	5	2/28/2023 3:58:16 PM	73309
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/24/2023 10:34:05 PM	73299
Surr: BFB	95.7	37.7-212		%Rec	1	2/24/2023 10:34:05 PM	73299
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	2/24/2023 10:34:05 PM	73299
Toluene	ND	0.049		mg/Kg	1	2/24/2023 10:34:05 PM	73299
Ethylbenzene	ND	0.049		mg/Kg	1	2/24/2023 10:34:05 PM	73299
Xylenes, Total	ND	0.098		mg/Kg	1	2/24/2023 10:34:05 PM	73299
Surr: 4-Bromofluorobenzene	91.6	70-130		%Rec	1	2/24/2023 10:34:05 PM	73299

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

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

Analytical Report

Lab Order **2302851**

Date Reported: **3/6/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-2/4

Project: Thomas 1 Pipeline

Collection Date: 2/17/2023 9:48:00 AM

Lab ID: 2302851-005

Matrix: SOIL

Received Date: 2/21/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1100	60		mg/Kg	20	2/24/2023 12:46:48 AM	73360
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	220	95		mg/Kg	10	2/23/2023 2:32:36 PM	73309
Motor Oil Range Organics (MRO)	490	470		mg/Kg	10	2/23/2023 2:32:36 PM	73309
Surr: DNOP	0	69-147	S	%Rec	10	2/23/2023 2:32:36 PM	73309
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/24/2023 11:44:31 PM	73299
Surr: BFB	93.1	37.7-212		%Rec	1	2/24/2023 11:44:31 PM	73299
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	2/24/2023 11:44:31 PM	73299
Toluene	ND	0.049		mg/Kg	1	2/24/2023 11:44:31 PM	73299
Ethylbenzene	ND	0.049		mg/Kg	1	2/24/2023 11:44:31 PM	73299
Xylenes, Total	ND	0.097		mg/Kg	1	2/24/2023 11:44:31 PM	73299
Surr: 4-Bromofluorobenzene	87.5	70-130		%Rec	1	2/24/2023 11:44:31 PM	73299

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

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

Analytical Report

Lab Order **2302851**

Date Reported: **3/6/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-1/2

Project: Thomas 1 Pipeline

Collection Date: 2/17/2023 10:06:00 AM

Lab ID: 2302851-006

Matrix: SOIL

Received Date: 2/21/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	2500	150		mg/Kg	50	2/24/2023 6:35:21 PM	73360
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	2/23/2023 11:27:38 AM	73309
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	2/23/2023 11:27:38 AM	73309
Surr: DNOP	91.0	69-147		%Rec	1	2/23/2023 11:27:38 AM	73309
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/25/2023 12:54:48 AM	73299
Surr: BFB	97.8	37.7-212		%Rec	1	2/25/2023 12:54:48 AM	73299
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	2/25/2023 12:54:48 AM	73299
Toluene	ND	0.049		mg/Kg	1	2/25/2023 12:54:48 AM	73299
Ethylbenzene	ND	0.049		mg/Kg	1	2/25/2023 12:54:48 AM	73299
Xylenes, Total	ND	0.097		mg/Kg	1	2/25/2023 12:54:48 AM	73299
Surr: 4-Bromofluorobenzene	93.1	70-130		%Rec	1	2/25/2023 12:54:48 AM	73299

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

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

Analytical Report

Lab Order **2302851**

Date Reported: **3/6/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-1/4

Project: Thomas 1 Pipeline

Collection Date: 2/17/2023 10:10:00 AM

Lab ID: 2302851-007

Matrix: SOIL

Received Date: 2/21/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1100	60		mg/Kg	20	2/24/2023 1:11:29 AM	73360
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	2/23/2023 12:45:12 PM	73309
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/23/2023 12:45:12 PM	73309
Surr: DNOP	87.3	69-147		%Rec	1	2/23/2023 12:45:12 PM	73309
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/25/2023 1:18:12 AM	73299
Surr: BFB	94.3	37.7-212		%Rec	1	2/25/2023 1:18:12 AM	73299
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	2/25/2023 1:18:12 AM	73299
Toluene	ND	0.047		mg/Kg	1	2/25/2023 1:18:12 AM	73299
Ethylbenzene	ND	0.047		mg/Kg	1	2/25/2023 1:18:12 AM	73299
Xylenes, Total	ND	0.095		mg/Kg	1	2/25/2023 1:18:12 AM	73299
Surr: 4-Bromofluorobenzene	90.3	70-130		%Rec	1	2/25/2023 1:18:12 AM	73299

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

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

Analytical Report

Lab Order **2302851**

Date Reported: **3/6/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-4/3

Project: Thomas 1 Pipeline

Collection Date: 2/17/2023 11:20:00 AM

Lab ID: 2302851-008

Matrix: SOIL

Received Date: 2/21/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	530	60		mg/Kg	20	2/24/2023 1:23:49 AM	73360
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	2/23/2023 12:55:41 PM	73309
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/23/2023 12:55:41 PM	73309
Surr: DNOP	78.5	69-147		%Rec	1	2/23/2023 12:55:41 PM	73309
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/25/2023 1:41:35 AM	73299
Surr: BFB	94.1	37.7-212		%Rec	1	2/25/2023 1:41:35 AM	73299
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	2/25/2023 1:41:35 AM	73299
Toluene	ND	0.050		mg/Kg	1	2/25/2023 1:41:35 AM	73299
Ethylbenzene	ND	0.050		mg/Kg	1	2/25/2023 1:41:35 AM	73299
Xylenes, Total	ND	0.099		mg/Kg	1	2/25/2023 1:41:35 AM	73299
Surr: 4-Bromofluorobenzene	89.0	70-130		%Rec	1	2/25/2023 1:41:35 AM	73299

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

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

Analytical Report

Lab Order **2302851**

Date Reported: **3/6/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-4/4

Project: Thomas 1 Pipeline

Collection Date: 2/17/2023 11:22:00 AM

Lab ID: 2302851-009

Matrix: SOIL

Received Date: 2/21/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	2800	150		mg/Kg	50	2/24/2023 6:47:43 PM	73360
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	2/23/2023 1:06:14 PM	73309
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	2/23/2023 1:06:14 PM	73309
Surr: DNOP	78.9	69-147		%Rec	1	2/23/2023 1:06:14 PM	73309
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/25/2023 2:04:59 AM	73299
Surr: BFB	98.6	37.7-212		%Rec	1	2/25/2023 2:04:59 AM	73299
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	2/25/2023 2:04:59 AM	73299
Toluene	ND	0.049		mg/Kg	1	2/25/2023 2:04:59 AM	73299
Ethylbenzene	ND	0.049		mg/Kg	1	2/25/2023 2:04:59 AM	73299
Xylenes, Total	ND	0.098		mg/Kg	1	2/25/2023 2:04:59 AM	73299
Surr: 4-Bromofluorobenzene	94.4	70-130		%Rec	1	2/25/2023 2:04:59 AM	73299

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

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

Analytical Report

Lab Order **2302851**

Date Reported: **3/6/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-5/1

Project: Thomas 1 Pipeline

Collection Date: 2/17/2023 11:32:00 AM

Lab ID: 2302851-010

Matrix: SOIL

Received Date: 2/21/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	3200	150		mg/Kg	50	2/24/2023 7:00:03 PM	73360
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	2/23/2023 1:16:45 PM	73309
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/23/2023 1:16:45 PM	73309
Surr: DNOP	93.8	69-147		%Rec	1	2/23/2023 1:16:45 PM	73309
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/25/2023 2:28:21 AM	73299
Surr: BFB	96.6	37.7-212		%Rec	1	2/25/2023 2:28:21 AM	73299
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	2/25/2023 2:28:21 AM	73299
Toluene	ND	0.048		mg/Kg	1	2/25/2023 2:28:21 AM	73299
Ethylbenzene	ND	0.048		mg/Kg	1	2/25/2023 2:28:21 AM	73299
Xylenes, Total	ND	0.097		mg/Kg	1	2/25/2023 2:28:21 AM	73299
Surr: 4-Bromofluorobenzene	91.4	70-130		%Rec	1	2/25/2023 2:28:21 AM	73299

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

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

Analytical Report

Lab Order **2302851**

Date Reported: **3/6/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-5/4

Project: Thomas 1 Pipeline

Collection Date: 2/17/2023 11:38:00 AM

Lab ID: 2302851-011

Matrix: SOIL

Received Date: 2/21/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1700	60		mg/Kg	20	2/24/2023 2:00:52 AM	73360
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	2/23/2023 1:27:18 PM	73309
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	2/23/2023 1:27:18 PM	73309
Surr: DNOP	90.6	69-147		%Rec	1	2/23/2023 1:27:18 PM	73309
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/25/2023 2:51:43 AM	73299
Surr: BFB	98.1	37.7-212		%Rec	1	2/25/2023 2:51:43 AM	73299
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	2/25/2023 2:51:43 AM	73299
Toluene	ND	0.049		mg/Kg	1	2/25/2023 2:51:43 AM	73299
Ethylbenzene	ND	0.049		mg/Kg	1	2/25/2023 2:51:43 AM	73299
Xylenes, Total	ND	0.099		mg/Kg	1	2/25/2023 2:51:43 AM	73299
Surr: 4-Bromofluorobenzene	93.3	70-130		%Rec	1	2/25/2023 2:51:43 AM	73299

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

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

Analytical Report

Lab Order **2302851**

Date Reported: **3/6/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-6/2

Project: Thomas 1 Pipeline

Collection Date: 2/17/2023 12:04:00 PM

Lab ID: 2302851-012

Matrix: SOIL

Received Date: 2/21/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	2/24/2023 2:37:54 AM	73360
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	37	9.7		mg/Kg	1	2/28/2023 4:26:11 PM	73309
Motor Oil Range Organics (MRO)	130	49		mg/Kg	1	2/28/2023 4:26:11 PM	73309
Surr: DNOP	95.7	69-147		%Rec	1	2/28/2023 4:26:11 PM	73309
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/25/2023 3:15:05 AM	73299
Surr: BFB	95.4	37.7-212		%Rec	1	2/25/2023 3:15:05 AM	73299
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.023		mg/Kg	1	2/25/2023 3:15:05 AM	73299
Toluene	ND	0.047		mg/Kg	1	2/25/2023 3:15:05 AM	73299
Ethylbenzene	ND	0.047		mg/Kg	1	2/25/2023 3:15:05 AM	73299
Xylenes, Total	ND	0.094		mg/Kg	1	2/25/2023 3:15:05 AM	73299
Surr: 4-Bromofluorobenzene	89.9	70-130		%Rec	1	2/25/2023 3:15:05 AM	73299

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

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

Analytical Report

Lab Order **2302851**

Date Reported: **3/6/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-6/4

Project: Thomas 1 Pipeline

Collection Date: 2/17/2023 12:08:00 PM

Lab ID: 2302851-013

Matrix: SOIL

Received Date: 2/21/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	59		mg/Kg	20	2/24/2023 2:50:15 AM	73360
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	2/27/2023 5:47:27 PM	73309
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/27/2023 5:47:27 PM	73309
Surr: DNOP	95.7	69-147		%Rec	1	2/27/2023 5:47:27 PM	73309
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/25/2023 3:38:24 AM	73299
Surr: BFB	97.9	37.7-212		%Rec	1	2/25/2023 3:38:24 AM	73299
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	2/25/2023 3:38:24 AM	73299
Toluene	ND	0.048		mg/Kg	1	2/25/2023 3:38:24 AM	73299
Ethylbenzene	ND	0.048		mg/Kg	1	2/25/2023 3:38:24 AM	73299
Xylenes, Total	ND	0.096		mg/Kg	1	2/25/2023 3:38:24 AM	73299
Surr: 4-Bromofluorobenzene	92.9	70-130		%Rec	1	2/25/2023 3:38:24 AM	73299

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

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

Analytical Report

Lab Order **2302851**

Date Reported: **3/6/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-7/2

Project: Thomas 1 Pipeline

Collection Date: 2/17/2023 12:24:00 PM

Lab ID: 2302851-014

Matrix: SOIL

Received Date: 2/21/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	2400	150		mg/Kg	50	2/24/2023 7:12:24 PM	73360
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	2/27/2023 5:58:06 PM	73309
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	2/27/2023 5:58:06 PM	73309
Surr: DNOP	98.9	69-147		%Rec	1	2/27/2023 5:58:06 PM	73309
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/25/2023 4:25:04 AM	73299
Surr: BFB	96.7	37.7-212		%Rec	1	2/25/2023 4:25:04 AM	73299
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	2/25/2023 4:25:04 AM	73299
Toluene	ND	0.048		mg/Kg	1	2/25/2023 4:25:04 AM	73299
Ethylbenzene	ND	0.048		mg/Kg	1	2/25/2023 4:25:04 AM	73299
Xylenes, Total	ND	0.097		mg/Kg	1	2/25/2023 4:25:04 AM	73299
Surr: 4-Bromofluorobenzene	92.3	70-130		%Rec	1	2/25/2023 4:25:04 AM	73299

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

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

Analytical Report

Lab Order **2302851**

Date Reported: **3/6/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-7/4

Project: Thomas 1 Pipeline

Collection Date: 2/17/2023 12:28:00 PM

Lab ID: 2302851-015

Matrix: SOIL

Received Date: 2/21/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1100	60		mg/Kg	20	2/24/2023 3:14:55 AM	73360
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	2/27/2023 6:08:57 PM	73309
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/27/2023 6:08:57 PM	73309
Surr: DNOP	92.0	69-147		%Rec	1	2/27/2023 6:08:57 PM	73309
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/25/2023 4:48:23 AM	73299
Surr: BFB	99.2	37.7-212		%Rec	1	2/25/2023 4:48:23 AM	73299
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	2/25/2023 4:48:23 AM	73299
Toluene	ND	0.049		mg/Kg	1	2/25/2023 4:48:23 AM	73299
Ethylbenzene	ND	0.049		mg/Kg	1	2/25/2023 4:48:23 AM	73299
Xylenes, Total	ND	0.097		mg/Kg	1	2/25/2023 4:48:23 AM	73299
Surr: 4-Bromofluorobenzene	94.6	70-130		%Rec	1	2/25/2023 4:48:23 AM	73299

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

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

Analytical Report

Lab Order **2302851**

Date Reported: **3/6/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-8/2

Project: Thomas 1 Pipeline

Collection Date: 2/17/2023 12:44:00 PM

Lab ID: 2302851-017

Matrix: SOIL

Received Date: 2/21/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	2900	150		mg/Kg	50	2/24/2023 7:24:44 PM	73360
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	2/27/2023 6:19:45 PM	73309
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/27/2023 6:19:45 PM	73309
Surr: DNOP	81.8	69-147		%Rec	1	2/27/2023 6:19:45 PM	73309
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/25/2023 5:11:43 AM	73299
Surr: BFB	97.7	37.7-212		%Rec	1	2/25/2023 5:11:43 AM	73299
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	2/25/2023 5:11:43 AM	73299
Toluene	ND	0.050		mg/Kg	1	2/25/2023 5:11:43 AM	73299
Ethylbenzene	ND	0.050		mg/Kg	1	2/25/2023 5:11:43 AM	73299
Xylenes, Total	ND	0.099		mg/Kg	1	2/25/2023 5:11:43 AM	73299
Surr: 4-Bromofluorobenzene	93.5	70-130		%Rec	1	2/25/2023 5:11:43 AM	73299

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

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

Analytical Report

Lab Order **2302851**

Date Reported: **3/6/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-8/4

Project: Thomas 1 Pipeline

Collection Date: 2/17/2023 12:48:00 PM

Lab ID: 2302851-018

Matrix: SOIL

Received Date: 2/21/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	780	60		mg/Kg	20	2/24/2023 3:39:37 AM	73360
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	2/27/2023 6:30:32 PM	73309
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/27/2023 6:30:32 PM	73309
Surr: DNOP	81.2	69-147		%Rec	1	2/27/2023 6:30:32 PM	73309
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/25/2023 5:35:00 AM	73299
Surr: BFB	96.8	37.7-212		%Rec	1	2/25/2023 5:35:00 AM	73299
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	2/25/2023 5:35:00 AM	73299
Toluene	ND	0.047		mg/Kg	1	2/25/2023 5:35:00 AM	73299
Ethylbenzene	ND	0.047		mg/Kg	1	2/25/2023 5:35:00 AM	73299
Xylenes, Total	ND	0.095		mg/Kg	1	2/25/2023 5:35:00 AM	73299
Surr: 4-Bromofluorobenzene	92.1	70-130		%Rec	1	2/25/2023 5:35:00 AM	73299

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

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

Analytical Report

Lab Order **2302851**

Date Reported: **3/6/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-9/2

Project: Thomas 1 Pipeline

Collection Date: 2/17/2023 1:14:00 PM

Lab ID: 2302851-019

Matrix: SOIL

Received Date: 2/21/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1400	60		mg/Kg	20	2/24/2023 3:54:45 PM	73368
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	12	8.9		mg/Kg	1	2/28/2023 4:53:57 PM	73309
Motor Oil Range Organics (MRO)	64	45		mg/Kg	1	2/28/2023 4:53:57 PM	73309
Surr: DNOP	97.4	69-147		%Rec	1	2/28/2023 4:53:57 PM	73309
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/25/2023 5:58:19 AM	73299
Surr: BFB	95.9	37.7-212		%Rec	1	2/25/2023 5:58:19 AM	73299
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.023		mg/Kg	1	2/25/2023 5:58:19 AM	73299
Toluene	ND	0.047		mg/Kg	1	2/25/2023 5:58:19 AM	73299
Ethylbenzene	ND	0.047		mg/Kg	1	2/25/2023 5:58:19 AM	73299
Xylenes, Total	ND	0.093		mg/Kg	1	2/25/2023 5:58:19 AM	73299
Surr: 4-Bromofluorobenzene	91.2	70-130		%Rec	1	2/25/2023 5:58:19 AM	73299

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

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

Analytical Report

Lab Order **2302851**

Date Reported: 3/6/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-9/4

Project: Thomas 1 Pipeline

Collection Date: 2/17/2023 1:18:00 PM

Lab ID: 2302851-020

Matrix: SOIL

Received Date: 2/21/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1000	60		mg/Kg	20	2/24/2023 4:07:36 PM	73368
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	2/27/2023 6:41:17 PM	73309
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/27/2023 6:41:17 PM	73309
Surr: DNOP	82.7	69-147		%Rec	1	2/27/2023 6:41:17 PM	73309
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/25/2023 6:21:36 AM	73299
Surr: BFB	95.1	37.7-212		%Rec	1	2/25/2023 6:21:36 AM	73299
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	2/25/2023 6:21:36 AM	73299
Toluene	ND	0.050		mg/Kg	1	2/25/2023 6:21:36 AM	73299
Ethylbenzene	ND	0.050		mg/Kg	1	2/25/2023 6:21:36 AM	73299
Xylenes, Total	ND	0.099		mg/Kg	1	2/25/2023 6:21:36 AM	73299
Surr: 4-Bromofluorobenzene	90.9	70-130		%Rec	1	2/25/2023 6:21:36 AM	73299

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

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

Analytical Report

Lab Order **2302851**

Date Reported: **3/6/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-10/1

Project: Thomas 1 Pipeline

Collection Date: 2/17/2023 1:54:00 PM

Lab ID: 2302851-021

Matrix: SOIL

Received Date: 2/21/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	4500	150		mg/Kg	50	2/27/2023 12:37:16 PM	73368
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	2/27/2023 6:52:01 PM	73309
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/27/2023 6:52:01 PM	73309
Surr: DNOP	93.2	69-147		%Rec	1	2/27/2023 6:52:01 PM	73309
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/25/2023 6:44:53 AM	73299
Surr: BFB	95.7	37.7-212		%Rec	1	2/25/2023 6:44:53 AM	73299
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	2/25/2023 6:44:53 AM	73299
Toluene	ND	0.048		mg/Kg	1	2/25/2023 6:44:53 AM	73299
Ethylbenzene	ND	0.048		mg/Kg	1	2/25/2023 6:44:53 AM	73299
Xylenes, Total	ND	0.096		mg/Kg	1	2/25/2023 6:44:53 AM	73299
Surr: 4-Bromofluorobenzene	91.0	70-130		%Rec	1	2/25/2023 6:44:53 AM	73299

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

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

Analytical Report

Lab Order **2302851**

Date Reported: **3/6/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-10/4

Project: Thomas 1 Pipeline

Collection Date: 2/17/2023 2:00:00 PM

Lab ID: 2302851-022

Matrix: SOIL

Received Date: 2/21/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1200	60		mg/Kg	20	2/24/2023 5:24:46 PM	73368
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	2/27/2023 7:02:43 PM	73309
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	2/27/2023 7:02:43 PM	73309
Surr: DNOP	93.8	69-147		%Rec	1	2/27/2023 7:02:43 PM	73309
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/25/2023 7:08:11 AM	73299
Surr: BFB	95.1	37.7-212		%Rec	1	2/25/2023 7:08:11 AM	73299
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	2/25/2023 7:08:11 AM	73299
Toluene	ND	0.048		mg/Kg	1	2/25/2023 7:08:11 AM	73299
Ethylbenzene	ND	0.048		mg/Kg	1	2/25/2023 7:08:11 AM	73299
Xylenes, Total	ND	0.096		mg/Kg	1	2/25/2023 7:08:11 AM	73299
Surr: 4-Bromofluorobenzene	90.9	70-130		%Rec	1	2/25/2023 7:08:11 AM	73299

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.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2302851

06-Mar-23

Client: EOG
Project: Thomas 1 Pipeline

Sample ID: MB-73360	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 73360	RunNo: 94857								
Prep Date: 2/23/2023	Analysis Date: 2/23/2023	SeqNo: 3428380	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-73360	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 73360	RunNo: 94857								
Prep Date: 2/23/2023	Analysis Date: 2/23/2023	SeqNo: 3428381	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.5	90	110			

Sample ID: LCS-73368	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 73368	RunNo: 94864								
Prep Date: 2/24/2023	Analysis Date: 2/24/2023	SeqNo: 3429240	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.5	90	110			

Sample ID: MB-73368	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 73368	RunNo: 94864								
Prep Date: 2/24/2023	Analysis Date: 2/24/2023	SeqNo: 3429242	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

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#: 2302851

06-Mar-23

Client: EOG
Project: Thomas 1 Pipeline

Sample ID: MB-73305	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 73305	RunNo: 94840								
Prep Date: 2/22/2023	Analysis Date: 2/23/2023	SeqNo: 3427623			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.6		10.00		96.2	69	147			

Sample ID: LCS-73305	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 73305	RunNo: 94840								
Prep Date: 2/22/2023	Analysis Date: 2/23/2023	SeqNo: 3427624			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52	10	50.00	0	103	61.9	130			
Surr: DNOP	4.3		5.000		86.2	69	147			

Sample ID: LCS-73309	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 73309	RunNo: 94848								
Prep Date: 2/22/2023	Analysis Date: 2/23/2023	SeqNo: 3427958			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	40	10	50.00	0	79.7	61.9	130			
Surr: DNOP	3.7		5.000		73.3	69	147			

Sample ID: MB-73309	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 73309	RunNo: 94848								
Prep Date: 2/22/2023	Analysis Date: 2/23/2023	SeqNo: 3427961			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.3		10.00		83.1	69	147			

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#: 2302851

06-Mar-23

Client: EOG
Project: Thomas 1 Pipeline

Sample ID: ics-73299	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 73299	RunNo: 94858								
Prep Date: 2/21/2023	Analysis Date: 2/24/2023	SeqNo: 3429444			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	95.1	72.3	137			
Surr: BFB	1900		1000		191	37.7	212			

Sample ID: mb-73299	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 73299	RunNo: 94858								
Prep Date: 2/21/2023	Analysis Date: 2/24/2023	SeqNo: 3429446			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	980		1000		98.2	37.7	212			

Sample ID: ics-73291	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 73291	RunNo: 94890								
Prep Date: 2/21/2023	Analysis Date: 2/28/2023	SeqNo: 3431010			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	99.0	72.3	137			
Surr: BFB	2000		1000		200	37.7	212			

Sample ID: mb-73291	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 73291	RunNo: 94890								
Prep Date: 2/21/2023	Analysis Date: 2/28/2023	SeqNo: 3431011			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	990		1000		98.5	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#: 2302851

06-Mar-23

Client: EOG
Project: Thomas 1 Pipeline

Sample ID: LCS-73299	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 73299	RunNo: 94858								
Prep Date: 2/21/2023	Analysis Date: 2/24/2023	SeqNo: 3429488	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.025	1.000	0	91.5	80	120			
Toluene	0.94	0.050	1.000	0	93.7	80	120			
Ethylbenzene	0.93	0.050	1.000	0	92.9	80	120			
Xylenes, Total	2.8	0.10	3.000	0	93.2	80	120			
Surr: 4-Bromofluorobenzene	0.96		1.000		95.6	70	130			

Sample ID: mb-73299	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 73299	RunNo: 94858								
Prep Date: 2/21/2023	Analysis Date: 2/24/2023	SeqNo: 3429490	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	0.94		1.000		93.5	70	130			

Sample ID: LCS-73291	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 73291	RunNo: 94890								
Prep Date: 2/21/2023	Analysis Date: 2/28/2023	SeqNo: 3431022	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	91.2	80	120			
Toluene	0.95	0.050	1.000	0	94.6	80	120			
Ethylbenzene	0.93	0.050	1.000	0	93.2	80	120			
Xylenes, Total	2.8	0.10	3.000	0	93.3	80	120			
Surr: 4-Bromofluorobenzene	0.95		1.000		94.6	70	130			

Sample ID: mb-73291	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 73291	RunNo: 94890								
Prep Date: 2/21/2023	Analysis Date: 2/28/2023	SeqNo: 3431023	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		91.2	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: 2302851 RcptNo: 1

Received By: Tracy Casarrubias 2/21/2023 7:20:00 AM
Completed By: Tracy Casarrubias 2/21/2023 8:24:57 AM
Reviewed By: *JN* 2-21-23

Chain of Custody

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

Log In

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

of preserved bottles checked for pH: _____
(<2 or >12 unless noted)
Adjusted? _____
Checked by: *JN 2/21/23*

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 °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	5.4	Good	Yes	Yogi		
2	5.2	Good	Yes	Yogi		

Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.

Mailing Address: EOG - 105 S 4th St, Artesia NM, 86210

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: EOG
 Standard Rush S DAY TAT

Project Name: Thomas #1 PIPE LINE

Project #: 5375

Project Manager: W. Kierdorf

Sampler: J. Martinez / W. Kennedy
 On Ice: Yes No Yog.

of Coolers: 2
 Cooler Temp (including CF): 5.5 - 0.1 = 5.4

Container Type and # 1 y4oz Jar Preservative Type ICE HEAL No. 2307851



www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	Analysis Request
2-17-23	0924	Soil	TH-3/a	1 y4oz Jar	ICE	001	BTEX (8021)
	1056		TH-3/b			002	Chloride (EPA 300)
	1058		TH-3/c			003	
	0946		TH-2/3			004	
	0948		TH-2/4			005	
	1006		TH-1/2			006	
	1010		TH-1/4			007	
	1120		TH-4/3			009	
	1122		TH-4/4			009	
	1132		TH-5/1			010	
	1138		TH-5/4			110	
	1204		TH-6/2			210	

Received by: [Signature] Date 2/20/23 Time 9:00
 Received by: [Signature] Date 2/21/23 Time 9:20

Remarks: Bill to EOG Artesia

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



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

March 24, 2023

Will Kierdorf

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX:

RE: Thomas 1 PL

OrderNo.: 2303644

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 15 sample(s) on 3/11/2023 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 in a cursive style.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order **2303644**

Date Reported: 3/24/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-3A/16'

Project: Thomas 1 PL

Collection Date: 3/9/2023 12:10:00 PM

Lab ID: 2303644-001

Matrix: SOIL

Received Date: 3/11/2023 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	3900	150		mg/Kg	50	3/20/2023 3:05:34 PM	73774
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	960	86		mg/Kg	10	3/15/2023 8:28:57 PM	73712
Motor Oil Range Organics (MRO)	640	430		mg/Kg	10	3/15/2023 8:28:57 PM	73712
Surr: DNOP	106	69-147		%Rec	10	3/15/2023 8:28:57 PM	73712
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/16/2023 4:04:08 PM	73702
Surr: BFB	98.7	37.7-212		%Rec	1	3/16/2023 4:04:08 PM	73702
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	3/16/2023 4:04:08 PM	73702
Toluene	ND	0.048		mg/Kg	1	3/16/2023 4:04:08 PM	73702
Ethylbenzene	ND	0.048		mg/Kg	1	3/16/2023 4:04:08 PM	73702
Xylenes, Total	ND	0.095		mg/Kg	1	3/16/2023 4:04:08 PM	73702
Surr: 4-Bromofluorobenzene	90.2	70-130		%Rec	1	3/16/2023 4:04:08 PM	73702

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

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

Analytical Report

Lab Order **2303644**

Date Reported: 3/24/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-3A/18'

Project: Thomas 1 PL

Collection Date: 3/9/2023 12:12:00 PM

Lab ID: 2303644-002

Matrix: SOIL

Received Date: 3/11/2023 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	3100	150		mg/Kg	50	3/20/2023 3:17:55 PM	73774
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	1300	83		mg/Kg	10	3/15/2023 8:50:21 PM	73712
Motor Oil Range Organics (MRO)	780	420		mg/Kg	10	3/15/2023 8:50:21 PM	73712
Surr: DNOP	146	69-147		%Rec	10	3/15/2023 8:50:21 PM	73712
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	5.7	5.0		mg/Kg	1	3/16/2023 4:27:48 PM	73702
Surr: BFB	134	37.7-212		%Rec	1	3/16/2023 4:27:48 PM	73702
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	3/16/2023 4:27:48 PM	73702
Toluene	ND	0.050		mg/Kg	1	3/16/2023 4:27:48 PM	73702
Ethylbenzene	0.23	0.050		mg/Kg	1	3/16/2023 4:27:48 PM	73702
Xylenes, Total	0.30	0.10		mg/Kg	1	3/16/2023 4:27:48 PM	73702
Surr: 4-Bromofluorobenzene	98.6	70-130		%Rec	1	3/16/2023 4:27:48 PM	73702

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

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

Analytical Report

Lab Order **2303644**

Date Reported: 3/24/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: W-1

Project: Thomas 1 PL

Collection Date: 3/9/2023 11:00:00 AM

Lab ID: 2303644-003

Matrix: SOIL

Received Date: 3/11/2023 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	220	60		mg/Kg	20	3/17/2023 4:41:30 PM	73774
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	3/16/2023 12:20:53 AM	73712
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/16/2023 12:20:53 AM	73712
Surr: DNOP	105	69-147		%Rec	1	3/16/2023 12:20:53 AM	73712
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/15/2023 7:26:43 PM	73702
Surr: BFB	115	37.7-212		%Rec	1	3/15/2023 7:26:43 PM	73702
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	3/15/2023 7:26:43 PM	73702
Toluene	ND	0.050		mg/Kg	1	3/15/2023 7:26:43 PM	73702
Ethylbenzene	ND	0.050		mg/Kg	1	3/15/2023 7:26:43 PM	73702
Xylenes, Total	ND	0.10		mg/Kg	1	3/15/2023 7:26:43 PM	73702
Surr: 4-Bromofluorobenzene	108	70-130		%Rec	1	3/15/2023 7:26:43 PM	73702

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

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

Analytical Report

Lab Order **2303644**

Date Reported: 3/24/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: W-2

Project: Thomas 1 PL

Collection Date: 3/9/2023 11:02:00 AM

Lab ID: 2303644-004

Matrix: SOIL

Received Date: 3/11/2023 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	130	60		mg/Kg	20	3/17/2023 4:53:55 PM	73774
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	13	9.8		mg/Kg	1	3/16/2023 12:31:23 AM	73712
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/16/2023 12:31:23 AM	73712
Surr: DNOP	94.9	69-147		%Rec	1	3/16/2023 12:31:23 AM	73712
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	3/15/2023 7:50:51 PM	73702
Surr: BFB	116	37.7-212		%Rec	1	3/15/2023 7:50:51 PM	73702
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.023		mg/Kg	1	3/15/2023 7:50:51 PM	73702
Toluene	ND	0.046		mg/Kg	1	3/15/2023 7:50:51 PM	73702
Ethylbenzene	ND	0.046		mg/Kg	1	3/15/2023 7:50:51 PM	73702
Xylenes, Total	ND	0.093		mg/Kg	1	3/15/2023 7:50:51 PM	73702
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	1	3/15/2023 7:50:51 PM	73702

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

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

Analytical Report

Lab Order **2303644**

Date Reported: 3/24/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: W-6

Project: Thomas 1 PL

Collection Date: 3/9/2023 11:10:00 AM

Lab ID: 2303644-005

Matrix: SOIL

Received Date: 3/11/2023 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	480	60		mg/Kg	20	3/17/2023 5:06:19 PM	73774
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	3/16/2023 12:52:21 AM	73712
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/16/2023 12:52:21 AM	73712
Surr: DNOP	91.2	69-147		%Rec	1	3/16/2023 12:52:21 AM	73712
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/15/2023 8:14:57 PM	73702
Surr: BFB	113	37.7-212		%Rec	1	3/15/2023 8:14:57 PM	73702
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	3/15/2023 8:14:57 PM	73702
Toluene	ND	0.048		mg/Kg	1	3/15/2023 8:14:57 PM	73702
Ethylbenzene	ND	0.048		mg/Kg	1	3/15/2023 8:14:57 PM	73702
Xylenes, Total	ND	0.097		mg/Kg	1	3/15/2023 8:14:57 PM	73702
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	3/15/2023 8:14:57 PM	73702

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

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

Analytical Report

Lab Order **2303644**

Date Reported: 3/24/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: W-7

Project: Thomas 1 PL

Collection Date: 3/9/2023 11:12:00 AM

Lab ID: 2303644-006

Matrix: SOIL

Received Date: 3/11/2023 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	110	60		mg/Kg	20	3/17/2023 5:18:44 PM	73774
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	10	9.8		mg/Kg	1	3/17/2023 1:43:30 PM	73727
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/17/2023 1:43:30 PM	73727
Surr: DNOP	90.2	69-147		%Rec	1	3/17/2023 1:43:30 PM	73727
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/17/2023 1:24:05 PM	73706
Surr: BFB	99.1	37.7-212		%Rec	1	3/17/2023 1:24:05 PM	73706
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	3/17/2023 1:24:05 PM	73706
Toluene	ND	0.048		mg/Kg	1	3/17/2023 1:24:05 PM	73706
Ethylbenzene	ND	0.048		mg/Kg	1	3/17/2023 1:24:05 PM	73706
Xylenes, Total	ND	0.097		mg/Kg	1	3/17/2023 1:24:05 PM	73706
Surr: 4-Bromofluorobenzene	94.4	70-130		%Rec	1	3/17/2023 1:24:05 PM	73706

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

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

Analytical Report

Lab Order **2303644**

Date Reported: 3/24/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: W-8

Project: Thomas 1 PL

Collection Date: 3/9/2023 11:14:00 AM

Lab ID: 2303644-007

Matrix: SOIL

Received Date: 3/11/2023 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	92	60		mg/Kg	20	3/17/2023 5:55:57 PM	73774
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	3/16/2023 7:56:42 PM	73727
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	3/16/2023 7:56:42 PM	73727
Surr: DNOP	90.6	69-147		%Rec	1	3/16/2023 7:56:42 PM	73727
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/17/2023 1:47:43 PM	73706
Surr: BFB	99.8	37.7-212		%Rec	1	3/17/2023 1:47:43 PM	73706
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	3/17/2023 1:47:43 PM	73706
Toluene	ND	0.048		mg/Kg	1	3/17/2023 1:47:43 PM	73706
Ethylbenzene	ND	0.048		mg/Kg	1	3/17/2023 1:47:43 PM	73706
Xylenes, Total	ND	0.097		mg/Kg	1	3/17/2023 1:47:43 PM	73706
Surr: 4-Bromofluorobenzene	95.0	70-130		%Rec	1	3/17/2023 1:47:43 PM	73706

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

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

Analytical Report

Lab Order **2303644**

Date Reported: 3/24/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-3AN/4'

Project: Thomas 1 PL

Collection Date: 3/9/2023 1:40:00 PM

Lab ID: 2303644-008

Matrix: SOIL

Received Date: 3/11/2023 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	2100	60		mg/Kg	20	3/17/2023 6:08:22 PM	73774
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	180	9.9		mg/Kg	1	3/17/2023 2:46:48 PM	73727
Motor Oil Range Organics (MRO)	290	49		mg/Kg	1	3/17/2023 2:46:48 PM	73727
Surr: DNOP	95.6	69-147		%Rec	1	3/17/2023 2:46:48 PM	73727
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/17/2023 2:11:18 PM	73706
Surr: BFB	97.2	37.7-212		%Rec	1	3/17/2023 2:11:18 PM	73706
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	3/17/2023 2:11:18 PM	73706
Toluene	ND	0.048		mg/Kg	1	3/17/2023 2:11:18 PM	73706
Ethylbenzene	ND	0.048		mg/Kg	1	3/17/2023 2:11:18 PM	73706
Xylenes, Total	ND	0.096		mg/Kg	1	3/17/2023 2:11:18 PM	73706
Surr: 4-Bromofluorobenzene	91.0	70-130		%Rec	1	3/17/2023 2:11:18 PM	73706

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

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

Analytical Report

Lab Order **2303644**

Date Reported: 3/24/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-3AN/8'

Project: Thomas 1 PL

Collection Date: 3/9/2023 1:46:00 PM

Lab ID: 2303644-009

Matrix: SOIL

Received Date: 3/11/2023 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	2600	150		mg/Kg	50	3/20/2023 3:30:16 PM	73774
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	3/16/2023 8:07:16 PM	73727
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/16/2023 8:07:16 PM	73727
Surr: DNOP	103	69-147		%Rec	1	3/16/2023 8:07:16 PM	73727
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/17/2023 2:58:27 PM	73706
Surr: BFB	102	37.7-212		%Rec	1	3/17/2023 2:58:27 PM	73706
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	3/17/2023 2:58:27 PM	73706
Toluene	ND	0.049		mg/Kg	1	3/17/2023 2:58:27 PM	73706
Ethylbenzene	ND	0.049		mg/Kg	1	3/17/2023 2:58:27 PM	73706
Xylenes, Total	ND	0.098		mg/Kg	1	3/17/2023 2:58:27 PM	73706
Surr: 4-Bromofluorobenzene	97.0	70-130		%Rec	1	3/17/2023 2:58:27 PM	73706

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

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

Analytical Report

Lab Order **2303644**

Date Reported: 3/24/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-3AE/4'

Project: Thomas 1 PL

Collection Date: 3/9/2023 2:36:00 PM

Lab ID: 2303644-010

Matrix: SOIL

Received Date: 3/11/2023 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	2600	150		mg/Kg	50	3/20/2023 3:42:36 PM	73774
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	69	10		mg/Kg	1	3/16/2023 8:17:50 PM	73727
Motor Oil Range Organics (MRO)	73	50		mg/Kg	1	3/16/2023 8:17:50 PM	73727
Surr: DNOP	97.3	69-147		%Rec	1	3/16/2023 8:17:50 PM	73727
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/17/2023 4:32:50 PM	73706
Surr: BFB	98.2	37.7-212		%Rec	1	3/17/2023 4:32:50 PM	73706
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	3/17/2023 4:32:50 PM	73706
Toluene	ND	0.048		mg/Kg	1	3/17/2023 4:32:50 PM	73706
Ethylbenzene	ND	0.048		mg/Kg	1	3/17/2023 4:32:50 PM	73706
Xylenes, Total	ND	0.096		mg/Kg	1	3/17/2023 4:32:50 PM	73706
Surr: 4-Bromofluorobenzene	92.9	70-130		%Rec	1	3/17/2023 4:32:50 PM	73706

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

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

Analytical Report

Lab Order **2303644**

Date Reported: 3/24/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-3AE/8'

Project: Thomas 1 PL

Collection Date: 3/9/2023 2:44:00 PM

Lab ID: 2303644-011

Matrix: SOIL

Received Date: 3/11/2023 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	740	60		mg/Kg	20	3/17/2023 6:45:35 PM	73774
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	7.1		mg/Kg	1	3/16/2023 8:38:45 PM	73727
Motor Oil Range Organics (MRO)	ND	36		mg/Kg	1	3/16/2023 8:38:45 PM	73727
Surr: DNOP	101	69-147		%Rec	1	3/16/2023 8:38:45 PM	73727
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/17/2023 4:56:25 PM	73706
Surr: BFB	101	37.7-212		%Rec	1	3/17/2023 4:56:25 PM	73706
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	3/17/2023 4:56:25 PM	73706
Toluene	ND	0.047		mg/Kg	1	3/17/2023 4:56:25 PM	73706
Ethylbenzene	ND	0.047		mg/Kg	1	3/17/2023 4:56:25 PM	73706
Xylenes, Total	ND	0.095		mg/Kg	1	3/17/2023 4:56:25 PM	73706
Surr: 4-Bromofluorobenzene	96.3	70-130		%Rec	1	3/17/2023 4:56:25 PM	73706

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

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

Analytical Report

Lab Order **2303644**

Date Reported: 3/24/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-3AW/4'

Project: Thomas 1 PL

Collection Date: 3/9/2023 2:48:00 PM

Lab ID: 2303644-012

Matrix: SOIL

Received Date: 3/11/2023 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	2200	150		mg/Kg	50	3/20/2023 3:54:57 PM	73774
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	45	9.8		mg/Kg	1	3/16/2023 8:59:36 PM	73727
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/16/2023 8:59:36 PM	73727
Surr: DNOP	91.5	69-147		%Rec	1	3/16/2023 8:59:36 PM	73727
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/17/2023 5:20:02 PM	73706
Surr: BFB	99.1	37.7-212		%Rec	1	3/17/2023 5:20:02 PM	73706
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	3/17/2023 5:20:02 PM	73706
Toluene	ND	0.048		mg/Kg	1	3/17/2023 5:20:02 PM	73706
Ethylbenzene	ND	0.048		mg/Kg	1	3/17/2023 5:20:02 PM	73706
Xylenes, Total	ND	0.095		mg/Kg	1	3/17/2023 5:20:02 PM	73706
Surr: 4-Bromofluorobenzene	93.4	70-130		%Rec	1	3/17/2023 5:20:02 PM	73706

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

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

Analytical Report

Lab Order **2303644**

Date Reported: 3/24/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-3AW/8'

Project: Thomas 1 PL

Collection Date: 3/9/2023 2:56:00 PM

Lab ID: 2303644-013

Matrix: SOIL

Received Date: 3/11/2023 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	2100	60		mg/Kg	20	3/17/2023 7:35:14 PM	73788
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	3/16/2023 9:10:05 PM	73727
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/16/2023 9:10:05 PM	73727
Surr: DNOP	103	69-147		%Rec	1	3/16/2023 9:10:05 PM	73727
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/17/2023 5:43:39 PM	73706
Surr: BFB	101	37.7-212		%Rec	1	3/17/2023 5:43:39 PM	73706
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	3/17/2023 5:43:39 PM	73706
Toluene	ND	0.050		mg/Kg	1	3/17/2023 5:43:39 PM	73706
Ethylbenzene	ND	0.050		mg/Kg	1	3/17/2023 5:43:39 PM	73706
Xylenes, Total	ND	0.099		mg/Kg	1	3/17/2023 5:43:39 PM	73706
Surr: 4-Bromofluorobenzene	95.7	70-130		%Rec	1	3/17/2023 5:43:39 PM	73706

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

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

Analytical Report

Lab Order **2303644**

Date Reported: 3/24/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-3AS/4'

Project: Thomas 1 PL

Collection Date: 3/9/2023 3:00:00 PM

Lab ID: 2303644-014

Matrix: SOIL

Received Date: 3/11/2023 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	2300	150		mg/Kg	50	3/20/2023 4:07:17 PM	73788
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	3/16/2023 9:20:32 PM	73727
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/16/2023 9:20:32 PM	73727
Surr: DNOP	92.3	69-147		%Rec	1	3/16/2023 9:20:32 PM	73727
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/17/2023 6:07:19 PM	73706
Surr: BFB	101	37.7-212		%Rec	1	3/17/2023 6:07:19 PM	73706
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	3/17/2023 6:07:19 PM	73706
Toluene	ND	0.048		mg/Kg	1	3/17/2023 6:07:19 PM	73706
Ethylbenzene	ND	0.048		mg/Kg	1	3/17/2023 6:07:19 PM	73706
Xylenes, Total	ND	0.097		mg/Kg	1	3/17/2023 6:07:19 PM	73706
Surr: 4-Bromofluorobenzene	95.8	70-130		%Rec	1	3/17/2023 6:07:19 PM	73706

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

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

Analytical Report

Lab Order **2303644**

Date Reported: 3/24/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-3AS/8'

Project: Thomas 1 PL

Collection Date: 3/9/2023 3:08:00 PM

Lab ID: 2303644-015

Matrix: SOIL

Received Date: 3/11/2023 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	4400	150		mg/Kg	50	3/20/2023 4:19:37 PM	73788
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	3/16/2023 9:31:02 PM	73727
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/16/2023 9:31:02 PM	73727
Surr: DNOP	102	69-147		%Rec	1	3/16/2023 9:31:02 PM	73727
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/17/2023 6:30:54 PM	73706
Surr: BFB	100	37.7-212		%Rec	1	3/17/2023 6:30:54 PM	73706
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	3/17/2023 6:30:54 PM	73706
Toluene	ND	0.048		mg/Kg	1	3/17/2023 6:30:54 PM	73706
Ethylbenzene	ND	0.048		mg/Kg	1	3/17/2023 6:30:54 PM	73706
Xylenes, Total	ND	0.097		mg/Kg	1	3/17/2023 6:30:54 PM	73706
Surr: 4-Bromofluorobenzene	94.5	70-130		%Rec	1	3/17/2023 6:30:54 PM	73706

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.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2303644

24-Mar-23

Client: EOG
Project: Thomas 1 PL

Sample ID: MB-73774	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 73774	RunNo: 95364								
Prep Date: 3/17/2023	Analysis Date: 3/17/2023	SeqNo: 3449696	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-73774	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 73774	RunNo: 95364								
Prep Date: 3/17/2023	Analysis Date: 3/17/2023	SeqNo: 3449697	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			

Sample ID: MB-73788	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 73788	RunNo: 95364								
Prep Date: 3/17/2023	Analysis Date: 3/17/2023	SeqNo: 3449726	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-73788	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 73788	RunNo: 95364								
Prep Date: 3/17/2023	Analysis Date: 3/17/2023	SeqNo: 3449727	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.2	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#: 2303644

24-Mar-23

Client: EOG
Project: Thomas 1 PL

Sample ID: LCS-73712	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 73712		RunNo: 95288							
Prep Date: 3/14/2023	Analysis Date: 3/15/2023		SeqNo: 3446997		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	94.7	61.9	130			
Surr: DNOP	4.7		5.000		93.8	69	147			

Sample ID: MB-73712	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 73712		RunNo: 95288							
Prep Date: 3/14/2023	Analysis Date: 3/15/2023		SeqNo: 3446998		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	13		10.00		125	69	147			

Sample ID: LCS-73727	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 73727		RunNo: 95320							
Prep Date: 3/15/2023	Analysis Date: 3/16/2023		SeqNo: 3448731		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	88.1	61.9	130			
Surr: DNOP	4.8		5.000		96.1	69	147			

Sample ID: MB-73727	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 73727		RunNo: 95320							
Prep Date: 3/15/2023	Analysis Date: 3/16/2023		SeqNo: 3448733		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		102	69	147			

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#: 2303644

24-Mar-23

Client: EOG
Project: Thomas 1 PL

Sample ID: ics-73702	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 73702	RunNo: 95278								
Prep Date: 3/14/2023	Analysis Date: 3/15/2023	SeqNo: 3446038	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	25.00	0	82.6	70	130			
Surr: BFB	1800		1000		183	37.7	212			

Sample ID: mb-73702	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 73702	RunNo: 95278								
Prep Date: 3/14/2023	Analysis Date: 3/15/2023	SeqNo: 3446039	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		106	37.7	212			

Sample ID: ics-73714	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 73714	RunNo: 95315								
Prep Date: 3/15/2023	Analysis Date: 3/16/2023	SeqNo: 3447482	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1900		1000		190	37.7	212			

Sample ID: mb-73714	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 73714	RunNo: 95315								
Prep Date: 3/15/2023	Analysis Date: 3/16/2023	SeqNo: 3447483	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100		1000		106	37.7	212			

Sample ID: ics-73706	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 73706	RunNo: 95348								
Prep Date: 3/14/2023	Analysis Date: 3/17/2023	SeqNo: 3448837	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	25.00	0	85.8	70	130			
Surr: BFB	1800		1000		179	37.7	212			

Sample ID: mb-73706	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 73706	RunNo: 95348								
Prep Date: 3/14/2023	Analysis Date: 3/17/2023	SeqNo: 3448838	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	990		1000		98.6	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#: 2303644

24-Mar-23

Client: EOG
Project: Thomas 1 PL

Sample ID: LCS-73702	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 73702		RunNo: 95278							
Prep Date: 3/14/2023	Analysis Date: 3/15/2023		SeqNo: 3446063		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	91.4	80	120			
Toluene	0.91	0.050	1.000	0	90.8	80	120			
Ethylbenzene	0.91	0.050	1.000	0	90.6	80	120			
Xylenes, Total	2.7	0.10	3.000	0	90.2	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		102	70	130			

Sample ID: mb-73702	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 73702		RunNo: 95278							
Prep Date: 3/14/2023	Analysis Date: 3/15/2023		SeqNo: 3446064		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	1.0		1.000		101	70	130			

Sample ID: LCS-73706	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 73706		RunNo: 95348							
Prep Date: 3/14/2023	Analysis Date: 3/17/2023		SeqNo: 3448840		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	1.000	0	95.8	80	120			
Toluene	0.94	0.050	1.000	0	94.1	80	120			
Ethylbenzene	0.93	0.050	1.000	0	93.4	80	120			
Xylenes, Total	2.8	0.10	3.000	0	93.1	80	120			
Surr: 4-Bromofluorobenzene	0.95		1.000		95.0	70	130			

Sample ID: mb-73706	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 73706		RunNo: 95348							
Prep Date: 3/14/2023	Analysis Date: 3/17/2023		SeqNo: 3448841		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	0.95		1.000		94.5	70	130			

Qualifiers:

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



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

Sample Log-In Check List

Client Name: EOG

Work Order Number: 2303644

RcptNo: 1

Received By: Cheyenne Cason

3/11/2023 10:00:00 AM

Chad

Completed By: Cheyenne Cason

3/11/2023 10:24:33 AM

Chad

Reviewed By:

KPC 3.13.23

Chain of Custody

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

Log In

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

of preserved bottles checked for pH: _____
(<2 or >12 unless noted)
Adjusted? _____
Checked by: *jm 3/13/23*

Special Handling (if applicable)

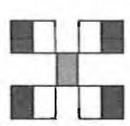
15. Was client notified of all discrepancies with this order? Yes No NA

Person Notified: _____ Date: _____
By Whom: _____ Via: eMail Phone Fax In Person
Regarding: _____
Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.6	Good	Not Present	Yogi		



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

UNIDENTIFIED TITLE

Standard Rush Loc 5 DAY TAT

Project Name: Thomas # 1 PL

Project #: 5375

Project Manager: W. Kierdorf

Sampler: J. Martinez

On Ice: Yes No Yog.

of Coolers: (

Cooler Temp (including CF): 0.4 + 0.2 = 0.6

Container Type and # 1x 4oz Jar Preservative Type ICE HEAL No. 2303644

BTEX (8021)

TPH:8015D(GRO / DRO / MRO)

Chloride (EPA 300)

Received by: ACM 10/13/2023 9:38:29 AM

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
<u>3-9-23</u>	<u>1210</u>	<u>9oil</u>	<u>TH-3A / 16'</u>
	<u>1212</u>		<u>TH-3A / 18'</u>
	<u>1100</u>		<u>W-1</u>
	<u>1102</u>		<u>W-2</u>
	<u>1110</u>		<u>W-4</u>
	<u>1112</u>		<u>W-7</u>
	<u>1114</u>		<u>W-8</u>
	<u>1340</u>		<u>TH-3AN / 4'</u>
	<u>1346</u>		<u>TH-3AN / 8'</u>
	<u>1430</u>		<u>TH-3AE / 4'</u>
	<u>1444</u>		<u>TH-3AE / 8'</u>
	<u>1448</u>		<u>TH-3AW / 4'</u>

Date: 3-10-23 Time: 0900

Date: 3/11/23 Time: 1900

Relinquished by: [Signature]

Relinquished by: [Signature]

Received by: [Signature] Date: 3-10-23 Time: 0800

Received by: [Signature] Date: 3/11/23 Time: 3:11 PM

Via: Courier

Via: Courier

Remarks: Bill to EOG Artesia

If necessary, samples submitted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



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

March 24, 2023

Will Kierdorf

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX:

RE: Thomas 1 PL

OrderNo.: 2303753

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 3 sample(s) on 3/15/2023 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 in a cursive style.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order **2303753**

Date Reported: **3/24/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: W-3

Project: Thomas 1 PL

Collection Date: 3/10/2023 1:04:00 PM

Lab ID: 2303753-001

Matrix: SOIL

Received Date: 3/15/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	76	60		mg/Kg	20	3/18/2023 8:21:28 AM	73789
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	3/20/2023 11:56:14 AM	73780
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	3/20/2023 11:56:14 AM	73780
Surr: DNOP	95.4	69-147		%Rec	1	3/20/2023 11:56:14 AM	73780
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/17/2023 11:36:04 PM	73767
Surr: BFB	95.9	37.7-212		%Rec	1	3/17/2023 11:36:04 PM	73767
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	3/17/2023 11:36:04 PM	73767
Toluene	ND	0.047		mg/Kg	1	3/17/2023 11:36:04 PM	73767
Ethylbenzene	ND	0.047		mg/Kg	1	3/17/2023 11:36:04 PM	73767
Xylenes, Total	ND	0.094		mg/Kg	1	3/17/2023 11:36:04 PM	73767
Surr: 4-Bromofluorobenzene	91.3	70-130		%Rec	1	3/17/2023 11:36:04 PM	73767

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

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

Analytical Report

Lab Order **2303753**

Date Reported: **3/24/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: W-4

Project: Thomas 1 PL

Collection Date: 3/10/2023 1:20:00 PM

Lab ID: 2303753-002

Matrix: SOIL

Received Date: 3/15/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	75	60		mg/Kg	20	3/18/2023 8:33:48 AM	73789
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	3/20/2023 1:58:33 PM	73780
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/20/2023 1:58:33 PM	73780
Surr: DNOP	95.6	69-147		%Rec	1	3/20/2023 1:58:33 PM	73780
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/18/2023 12:46:17 AM	73767
Surr: BFB	97.8	37.7-212		%Rec	1	3/18/2023 12:46:17 AM	73767
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	3/18/2023 12:46:17 AM	73767
Toluene	ND	0.049		mg/Kg	1	3/18/2023 12:46:17 AM	73767
Ethylbenzene	ND	0.049		mg/Kg	1	3/18/2023 12:46:17 AM	73767
Xylenes, Total	ND	0.098		mg/Kg	1	3/18/2023 12:46:17 AM	73767
Surr: 4-Bromofluorobenzene	93.0	70-130		%Rec	1	3/18/2023 12:46:17 AM	73767

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

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

Analytical Report

Lab Order **2303753**

Date Reported: **3/24/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: W-5

Project: Thomas 1 PL

Collection Date: 3/10/2023 1:30:00 PM

Lab ID: 2303753-003

Matrix: SOIL

Received Date: 3/15/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	81	60		mg/Kg	20	3/18/2023 8:46:09 AM	73789
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	3/20/2023 2:46:52 PM	73780
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/20/2023 2:46:52 PM	73780
Surr: DNOP	91.7	69-147		%Rec	1	3/20/2023 2:46:52 PM	73780
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/18/2023 1:56:24 AM	73767
Surr: BFB	96.7	37.7-212		%Rec	1	3/18/2023 1:56:24 AM	73767
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	3/18/2023 1:56:24 AM	73767
Toluene	ND	0.049		mg/Kg	1	3/18/2023 1:56:24 AM	73767
Ethylbenzene	ND	0.049		mg/Kg	1	3/18/2023 1:56:24 AM	73767
Xylenes, Total	ND	0.099		mg/Kg	1	3/18/2023 1:56:24 AM	73767
Surr: 4-Bromofluorobenzene	91.5	70-130		%Rec	1	3/18/2023 1:56:24 AM	73767

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.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2303753

24-Mar-23

Client: EOG
Project: Thomas 1 PL

Sample ID: MB-73789	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 73789	RunNo: 95382								
Prep Date: 3/18/2023	Analysis Date: 3/18/2023	SeqNo: 3450256	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-73789	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 73789	RunNo: 95382								
Prep Date: 3/18/2023	Analysis Date: 3/18/2023	SeqNo: 3450257	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			

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#: 2303753

24-Mar-23

Client: EOG
Project: Thomas 1 PL

Sample ID: MB-73780	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 73780	RunNo: 95386								
Prep Date: 3/17/2023	Analysis Date: 3/20/2023	SeqNo: 3450480	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		99.6	69	147			

Sample ID: LCS-73780	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 73780	RunNo: 95386								
Prep Date: 3/17/2023	Analysis Date: 3/20/2023	SeqNo: 3450495	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	93.0	61.9	130			
Surr: DNOP	5.1		5.000		102	69	147			

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#: 2303753

24-Mar-23

Client: EOG
Project: Thomas 1 PL

Sample ID: ics-73706	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 73706	RunNo: 95348								
Prep Date: 3/14/2023	Analysis Date: 3/17/2023	SeqNo: 3448837	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1800		1000		179	37.7	212			

Sample ID: mb-73706	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 73706	RunNo: 95348								
Prep Date: 3/14/2023	Analysis Date: 3/17/2023	SeqNo: 3448838	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	990		1000		98.6	37.7	212			

Sample ID: ics-73767	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 73767	RunNo: 95348								
Prep Date: 3/16/2023	Analysis Date: 3/17/2023	SeqNo: 3449933	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	20	5.0	25.00	0	81.6	70	130			
Surr: BFB	1800		1000		179	37.7	212			

Sample ID: mb-73767	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 73767	RunNo: 95348								
Prep Date: 3/16/2023	Analysis Date: 3/17/2023	SeqNo: 3449934	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		96.2	37.7	212			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2303753

24-Mar-23

Client: EOG
Project: Thomas 1 PL

Sample ID: LCS-73706	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 73706	RunNo: 95348								
Prep Date: 3/14/2023	Analysis Date: 3/17/2023	SeqNo: 3448840	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.95		1.000		95.0	70	130			

Sample ID: mb-73706	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 73706	RunNo: 95348								
Prep Date: 3/14/2023	Analysis Date: 3/17/2023	SeqNo: 3448841	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.95		1.000		94.5	70	130			

Sample ID: LCS-73767	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 73767	RunNo: 95348								
Prep Date: 3/16/2023	Analysis Date: 3/17/2023	SeqNo: 3449967	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	97.2	80	120			
Toluene	0.97	0.050	1.000	0	97.3	80	120			
Ethylbenzene	0.96	0.050	1.000	0	96.0	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.0	80	120			
Surr: 4-Bromofluorobenzene	0.94		1.000		94.3	70	130			

Sample ID: mb-73767	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 73767	RunNo: 95348								
Prep Date: 3/16/2023	Analysis Date: 3/17/2023	SeqNo: 3449968	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	0.92		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: 2303753 RcptNo: 1

Received By: Juan Rojas 3/15/2023 7:50:00 AM
Completed By: Tracy Casarrubias 3/15/2023 8:38:52 AM
Reviewed By: [Signature] 3-15-23

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [] Not Present []
2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [] NA []
4. Were all samples received at a temperature of >0° C to 6.0°C Yes [checked] No [] NA []
5. Sample(s) in proper container(s)? Yes [checked] No []
6. Sufficient sample volume for indicated test(s)? Yes [checked] No []
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No []
8. Was preservative added to bottles? Yes [] No [checked] NA []
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [] No [] NA [checked]
10. Were any sample containers received broken? Yes [] No [checked]
11. Does paperwork match bottle labels? Yes [checked] No []
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No []
13. Is it clear what analyses were requested? Yes [checked] No []
14. Were all holding times able to be met? Yes [checked] No []

of preserved bottles checked for pH: (<2 or >12 unless noted) Adjusted? Checked by: [Signature] 3/15/23

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [] No [] NA [checked]

Person Notified: [] Date: []
By Whom: [] Via: [] eMail [] Phone [] Fax [] In Person []
Regarding: []
Client Instructions: []

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 0.2, Good, Yes, Morty, [], []



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

April 12, 2023

Will Kierdorf

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX:

RE: Thomas 1 Pl

OrderNo.: 2303F11

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 60 sample(s) on 3/31/2023 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 in a cursive style.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH3A-B1

Project: Thomas 1 Pl

Collection Date: 3/29/2023 12:20:00 PM

Lab ID: 2303F11-001

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	7800	300		mg/Kg	100	4/3/2023 8:57:52 AM	74065
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	12000	490		mg/Kg	50	4/5/2023 10:21:33 PM	74063
Motor Oil Range Organics (MRO)	7700	2400		mg/Kg	50	4/5/2023 10:21:33 PM	74063
Surr: DNOP	0	69-147	S	%Rec	50	4/5/2023 10:21:33 PM	74063
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/3/2023 11:33:49 PM	74060
Surr: BFB	111	37.7-212		%Rec	1	4/3/2023 11:33:49 PM	74060
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	4/3/2023 11:33:49 PM	74060
Toluene	ND	0.049		mg/Kg	1	4/3/2023 11:33:49 PM	74060
Ethylbenzene	ND	0.049		mg/Kg	1	4/3/2023 11:33:49 PM	74060
Xylenes, Total	ND	0.098		mg/Kg	1	4/3/2023 11:33:49 PM	74060
Surr: 4-Bromofluorobenzene	81.7	70-130		%Rec	1	4/3/2023 11:33:49 PM	74060

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

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

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH3A-B2

Project: Thomas 1 Pl

Collection Date: 3/29/2023 12:22:00 PM

Lab ID: 2303F11-002

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	4200	150		mg/Kg	50	4/3/2023 9:10:17 AM	74065
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	12000	490		mg/Kg	50	4/5/2023 10:42:45 PM	74063
Motor Oil Range Organics (MRO)	6700	2400		mg/Kg	50	4/5/2023 10:42:45 PM	74063
Surr: DNOP	0	69-147	S	%Rec	50	4/5/2023 10:42:45 PM	74063
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	16	4.6		mg/Kg	1	4/3/2023 11:57:24 PM	74060
Surr: BFB	258	37.7-212	S	%Rec	1	4/3/2023 11:57:24 PM	74060
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.023		mg/Kg	1	4/3/2023 11:57:24 PM	74060
Toluene	ND	0.046		mg/Kg	1	4/3/2023 11:57:24 PM	74060
Ethylbenzene	0.19	0.046		mg/Kg	1	4/3/2023 11:57:24 PM	74060
Xylenes, Total	0.44	0.093		mg/Kg	1	4/3/2023 11:57:24 PM	74060
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	4/3/2023 11:57:24 PM	74060

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

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

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH3A-B3

Project: Thomas 1 Pl

Collection Date: 3/29/2023 12:24:00 PM

Lab ID: 2303F11-003

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	4900	150		mg/Kg	50	4/3/2023 9:22:42 AM	74065
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	5200	95		mg/Kg	10	4/4/2023 3:00:05 AM	74063
Motor Oil Range Organics (MRO)	2600	480		mg/Kg	10	4/4/2023 3:00:05 AM	74063
Surr: DNOP	0	69-147	S	%Rec	10	4/4/2023 3:00:05 AM	74063
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/4/2023 12:21:03 AM	74060
Surr: BFB	105	37.7-212		%Rec	1	4/4/2023 12:21:03 AM	74060
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	4/4/2023 12:21:03 AM	74060
Toluene	ND	0.048		mg/Kg	1	4/4/2023 12:21:03 AM	74060
Ethylbenzene	ND	0.048		mg/Kg	1	4/4/2023 12:21:03 AM	74060
Xylenes, Total	ND	0.096		mg/Kg	1	4/4/2023 12:21:03 AM	74060
Surr: 4-Bromofluorobenzene	83.4	70-130		%Rec	1	4/4/2023 12:21:03 AM	74060

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

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

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH3A-B4

Project: Thomas 1 Pl

Collection Date: 3/29/2023 12:26:00 PM

Lab ID: 2303F11-004

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	4600	300		mg/Kg	100	4/3/2023 9:35:07 AM	74065
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	10000	480		mg/Kg	50	4/5/2023 11:03:58 PM	74063
Motor Oil Range Organics (MRO)	4400	2400		mg/Kg	50	4/5/2023 11:03:58 PM	74063
Surr: DNOP	0	69-147	S	%Rec	50	4/5/2023 11:03:58 PM	74063
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	44	24		mg/Kg	5	4/3/2023 2:09:08 PM	74060
Surr: BFB	177	37.7-212		%Rec	5	4/3/2023 2:09:08 PM	74060
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.12		mg/Kg	5	4/3/2023 2:09:08 PM	74060
Toluene	ND	0.24		mg/Kg	5	4/3/2023 2:09:08 PM	74060
Ethylbenzene	1.0	0.24		mg/Kg	5	4/3/2023 2:09:08 PM	74060
Xylenes, Total	1.8	0.48		mg/Kg	5	4/3/2023 2:09:08 PM	74060
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	5	4/3/2023 2:09:08 PM	74060

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

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

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH3A-B5

Project: Thomas 1 Pl

Collection Date: 3/29/2023 12:28:00 PM

Lab ID: 2303F11-005

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	5100	300		mg/Kg	100	4/3/2023 9:47:31 AM	74065
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	10000	480		mg/Kg	50	4/5/2023 11:25:09 PM	74063
Motor Oil Range Organics (MRO)	5000	2400		mg/Kg	50	4/5/2023 11:25:09 PM	74063
Surr: DNOP	0	69-147	S	%Rec	50	4/5/2023 11:25:09 PM	74063
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	25	4.8		mg/Kg	1	4/3/2023 2:32:35 PM	74060
Surr: BFB	311	37.7-212	S	%Rec	1	4/3/2023 2:32:35 PM	74060
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	4/3/2023 2:32:35 PM	74060
Toluene	ND	0.048		mg/Kg	1	4/3/2023 2:32:35 PM	74060
Ethylbenzene	0.54	0.048		mg/Kg	1	4/3/2023 2:32:35 PM	74060
Xylenes, Total	0.93	0.096		mg/Kg	1	4/3/2023 2:32:35 PM	74060
Surr: 4-Bromofluorobenzene	118	70-130		%Rec	1	4/3/2023 2:32:35 PM	74060

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

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

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH3A-W1

Project: Thomas 1 Pl

Collection Date: 3/29/2023 12:40:00 PM

Lab ID: 2303F11-006

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	3900	150		mg/Kg	50	4/3/2023 1:06:05 PM	74081
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	9300	480		mg/Kg	50	4/4/2023 9:09:31 PM	74063
Motor Oil Range Organics (MRO)	4400	2400		mg/Kg	50	4/4/2023 9:09:31 PM	74063
Surr: DNOP	0	69-147	S	%Rec	50	4/4/2023 9:09:31 PM	74063
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/3/2023 2:56:09 PM	74060
Surr: BFB	114	37.7-212		%Rec	1	4/3/2023 2:56:09 PM	74060
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	4/3/2023 2:56:09 PM	74060
Toluene	ND	0.048		mg/Kg	1	4/3/2023 2:56:09 PM	74060
Ethylbenzene	ND	0.048		mg/Kg	1	4/3/2023 2:56:09 PM	74060
Xylenes, Total	ND	0.096		mg/Kg	1	4/3/2023 2:56:09 PM	74060
Surr: 4-Bromofluorobenzene	89.5	70-130		%Rec	1	4/3/2023 2:56:09 PM	74060

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

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

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH3A-W2

Project: Thomas 1 Pl

Collection Date: 3/29/2023 12:42:00 PM

Lab ID: 2303F11-007

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	5600	150		mg/Kg	50	4/3/2023 1:18:30 PM	74081
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	1500	96		mg/Kg	10	4/4/2023 5:02:46 AM	74063
Motor Oil Range Organics (MRO)	800	480		mg/Kg	10	4/4/2023 5:02:46 AM	74063
Surr: DNOP	0	69-147	S	%Rec	10	4/4/2023 5:02:46 AM	74063
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/3/2023 3:19:39 PM	74060
Surr: BFB	99.6	37.7-212		%Rec	1	4/3/2023 3:19:39 PM	74060
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	4/3/2023 3:19:39 PM	74060
Toluene	ND	0.049		mg/Kg	1	4/3/2023 3:19:39 PM	74060
Ethylbenzene	ND	0.049		mg/Kg	1	4/3/2023 3:19:39 PM	74060
Xylenes, Total	ND	0.098		mg/Kg	1	4/3/2023 3:19:39 PM	74060
Surr: 4-Bromofluorobenzene	87.5	70-130		%Rec	1	4/3/2023 3:19:39 PM	74060

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

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

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH3A-W3

Project: Thomas 1 Pl

Collection Date: 3/29/2023 12:44:00 PM

Lab ID: 2303F11-008

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	4000	150		mg/Kg	50	4/3/2023 1:55:44 PM	74081
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	13000	960		mg/Kg	100	4/4/2023 9:30:25 PM	74063
Motor Oil Range Organics (MRO)	5200	4800		mg/Kg	100	4/4/2023 9:30:25 PM	74063
Surr: DNOP	0	69-147	S	%Rec	100	4/4/2023 9:30:25 PM	74063
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	24	D	mg/Kg	5	4/4/2023 6:20:33 PM	74060
Surr: BFB	142	37.7-212	D	%Rec	5	4/4/2023 6:20:33 PM	74060
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.12	D	mg/Kg	5	4/4/2023 6:20:33 PM	74060
Toluene	ND	0.24	D	mg/Kg	5	4/4/2023 6:20:33 PM	74060
Ethylbenzene	0.30	0.24	D	mg/Kg	5	4/4/2023 6:20:33 PM	74060
Xylenes, Total	0.72	0.49	D	mg/Kg	5	4/4/2023 6:20:33 PM	74060
Surr: 4-Bromofluorobenzene	89.0	70-130	D	%Rec	5	4/4/2023 6:20:33 PM	74060

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

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

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH3A-W4

Project: Thomas 1 Pl

Collection Date: 3/29/2023 12:46:00 PM

Lab ID: 2303F11-009

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	5900	150		mg/Kg	50	4/3/2023 2:32:58 PM	74081
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	7900	98		mg/Kg	10	4/4/2023 5:24:05 AM	74063
Motor Oil Range Organics (MRO)	4500	490		mg/Kg	10	4/4/2023 5:24:05 AM	74063
Surr: DNOP	0	69-147	S	%Rec	10	4/4/2023 5:24:05 AM	74063
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	9.4	4.9		mg/Kg	1	4/3/2023 4:06:53 PM	74060
Surr: BFB	193	37.7-212		%Rec	1	4/3/2023 4:06:53 PM	74060
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	4/3/2023 4:06:53 PM	74060
Toluene	ND	0.049		mg/Kg	1	4/3/2023 4:06:53 PM	74060
Ethylbenzene	0.10	0.049		mg/Kg	1	4/3/2023 4:06:53 PM	74060
Xylenes, Total	0.25	0.098		mg/Kg	1	4/3/2023 4:06:53 PM	74060
Surr: 4-Bromofluorobenzene	95.5	70-130		%Rec	1	4/3/2023 4:06:53 PM	74060

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

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

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH3A-W5

Project: Thomas 1 Pl

Collection Date: 3/29/2023 12:48:00 PM

Lab ID: 2303F11-010

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	6900	300		mg/Kg	100	4/4/2023 3:00:18 PM	74081
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	6400	98		mg/Kg	10	4/4/2023 6:04:36 AM	74063
Motor Oil Range Organics (MRO)	3400	490		mg/Kg	10	4/4/2023 6:04:36 AM	74063
Surr: DNOP	0	69-147	S	%Rec	10	4/4/2023 6:04:36 AM	74063
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/3/2023 4:30:24 PM	74060
Surr: BFB	107	37.7-212		%Rec	1	4/3/2023 4:30:24 PM	74060
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	4/3/2023 4:30:24 PM	74060
Toluene	ND	0.049		mg/Kg	1	4/3/2023 4:30:24 PM	74060
Ethylbenzene	ND	0.049		mg/Kg	1	4/3/2023 4:30:24 PM	74060
Xylenes, Total	ND	0.099		mg/Kg	1	4/3/2023 4:30:24 PM	74060
Surr: 4-Bromofluorobenzene	86.9	70-130		%Rec	1	4/3/2023 4:30:24 PM	74060

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

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

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-1

Project: Thomas 1 Pl

Collection Date: 3/29/2023 1:00:00 PM

Lab ID: 2303F11-011

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	2300	150		mg/Kg	50	4/3/2023 2:57:48 PM	74081
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	16	9.6		mg/Kg	1	4/4/2023 6:34:36 AM	74063
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/4/2023 6:34:36 AM	74063
Surr: DNOP	113	69-147		%Rec	1	4/4/2023 6:34:36 AM	74063
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/3/2023 5:17:20 PM	74060
Surr: BFB	102	37.7-212		%Rec	1	4/3/2023 5:17:20 PM	74060
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.023		mg/Kg	1	4/3/2023 5:17:20 PM	74060
Toluene	ND	0.047		mg/Kg	1	4/3/2023 5:17:20 PM	74060
Ethylbenzene	ND	0.047		mg/Kg	1	4/3/2023 5:17:20 PM	74060
Xylenes, Total	ND	0.094		mg/Kg	1	4/3/2023 5:17:20 PM	74060
Surr: 4-Bromofluorobenzene	86.9	70-130		%Rec	1	4/3/2023 5:17:20 PM	74060

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

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

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-2

Project: Thomas 1 Pl

Collection Date: 3/29/2023 1:02:00 PM

Lab ID: 2303F11-012

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	450	150		mg/Kg	50	4/3/2023 3:35:02 PM	74081
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	29	9.8		mg/Kg	1	4/4/2023 7:06:14 AM	74063
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/4/2023 7:06:14 AM	74063
Surr: DNOP	86.1	69-147		%Rec	1	4/4/2023 7:06:14 AM	74063
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/3/2023 5:40:45 PM	74060
Surr: BFB	102	37.7-212		%Rec	1	4/3/2023 5:40:45 PM	74060
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	4/3/2023 5:40:45 PM	74060
Toluene	ND	0.048		mg/Kg	1	4/3/2023 5:40:45 PM	74060
Ethylbenzene	ND	0.048		mg/Kg	1	4/3/2023 5:40:45 PM	74060
Xylenes, Total	ND	0.097		mg/Kg	1	4/3/2023 5:40:45 PM	74060
Surr: 4-Bromofluorobenzene	85.7	70-130		%Rec	1	4/3/2023 5:40:45 PM	74060

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

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

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-3

Project: Thomas 1 Pl

Collection Date: 3/29/2023 1:04:00 PM

Lab ID: 2303F11-013

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	2000	150		mg/Kg	50	4/3/2023 3:47:26 PM	74081
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	290	9.5		mg/Kg	1	4/4/2023 7:16:43 AM	74063
Motor Oil Range Organics (MRO)	96	48		mg/Kg	1	4/4/2023 7:16:43 AM	74063
Surr: DNOP	90.1	69-147		%Rec	1	4/4/2023 7:16:43 AM	74063
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/3/2023 6:04:25 PM	74060
Surr: BFB	98.1	37.7-212		%Rec	1	4/3/2023 6:04:25 PM	74060
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	4/3/2023 6:04:25 PM	74060
Toluene	ND	0.048		mg/Kg	1	4/3/2023 6:04:25 PM	74060
Ethylbenzene	ND	0.048		mg/Kg	1	4/3/2023 6:04:25 PM	74060
Xylenes, Total	ND	0.096		mg/Kg	1	4/3/2023 6:04:25 PM	74060
Surr: 4-Bromofluorobenzene	82.0	70-130		%Rec	1	4/3/2023 6:04:25 PM	74060

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

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

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-4

Project: Thomas 1 Pl

Collection Date: 3/29/2023 1:06:00 PM

Lab ID: 2303F11-014

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	1800	150		mg/Kg	50	4/3/2023 4:24:41 PM	74081
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	220	9.8		mg/Kg	1	4/4/2023 7:37:38 AM	74063
Motor Oil Range Organics (MRO)	92	49		mg/Kg	1	4/4/2023 7:37:38 AM	74063
Surr: DNOP	94.9	69-147		%Rec	1	4/4/2023 7:37:38 AM	74063
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/3/2023 6:27:49 PM	74060
Surr: BFB	100	37.7-212		%Rec	1	4/3/2023 6:27:49 PM	74060
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	4/3/2023 6:27:49 PM	74060
Toluene	ND	0.049		mg/Kg	1	4/3/2023 6:27:49 PM	74060
Ethylbenzene	ND	0.049		mg/Kg	1	4/3/2023 6:27:49 PM	74060
Xylenes, Total	ND	0.098		mg/Kg	1	4/3/2023 6:27:49 PM	74060
Surr: 4-Bromofluorobenzene	84.3	70-130		%Rec	1	4/3/2023 6:27:49 PM	74060

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

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

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-5

Project: Thomas 1 Pl

Collection Date: 3/29/2023 1:08:00 PM

Lab ID: 2303F11-015

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	3300	150		mg/Kg	50	4/3/2023 6:16:23 PM	74089
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	13	9.3		mg/Kg	1	4/4/2023 7:58:35 AM	74063
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	4/4/2023 7:58:35 AM	74063
Surr: DNOP	112	69-147		%Rec	1	4/4/2023 7:58:35 AM	74063
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/3/2023 6:51:23 PM	74060
Surr: BFB	102	37.7-212		%Rec	1	4/3/2023 6:51:23 PM	74060
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	4/3/2023 6:51:23 PM	74060
Toluene	ND	0.050		mg/Kg	1	4/3/2023 6:51:23 PM	74060
Ethylbenzene	ND	0.050		mg/Kg	1	4/3/2023 6:51:23 PM	74060
Xylenes, Total	ND	0.10		mg/Kg	1	4/3/2023 6:51:23 PM	74060
Surr: 4-Bromofluorobenzene	85.8	70-130		%Rec	1	4/3/2023 6:51:23 PM	74060

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

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

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-6

Project: Thomas 1 Pl

Collection Date: 3/29/2023 1:10:00 PM

Lab ID: 2303F11-016

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	640	150		mg/Kg	50	4/3/2023 6:53:36 PM	74089
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	37	9.8		mg/Kg	1	4/4/2023 8:09:03 AM	74063
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/4/2023 8:09:03 AM	74063
Surr: DNOP	102	69-147		%Rec	1	4/4/2023 8:09:03 AM	74063
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	4/3/2023 7:14:50 PM	74060
Surr: BFB	101	37.7-212		%Rec	1	4/3/2023 7:14:50 PM	74060
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.023		mg/Kg	1	4/3/2023 7:14:50 PM	74060
Toluene	ND	0.046		mg/Kg	1	4/3/2023 7:14:50 PM	74060
Ethylbenzene	ND	0.046		mg/Kg	1	4/3/2023 7:14:50 PM	74060
Xylenes, Total	ND	0.093		mg/Kg	1	4/3/2023 7:14:50 PM	74060
Surr: 4-Bromofluorobenzene	85.7	70-130		%Rec	1	4/3/2023 7:14:50 PM	74060

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

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

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-7

Project: Thomas 1 Pl

Collection Date: 3/29/2023 1:12:00 PM

Lab ID: 2303F11-017

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	2000	150		mg/Kg	50	4/3/2023 7:06:00 PM	74089
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	630	9.7		mg/Kg	1	4/4/2023 8:19:27 AM	74063
Motor Oil Range Organics (MRO)	300	49		mg/Kg	1	4/4/2023 8:19:27 AM	74063
Surr: DNOP	94.4	69-147		%Rec	1	4/4/2023 8:19:27 AM	74063
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	4/3/2023 7:38:21 PM	74060
Surr: BFB	99.7	37.7-212		%Rec	1	4/3/2023 7:38:21 PM	74060
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.023		mg/Kg	1	4/3/2023 7:38:21 PM	74060
Toluene	ND	0.046		mg/Kg	1	4/3/2023 7:38:21 PM	74060
Ethylbenzene	ND	0.046		mg/Kg	1	4/3/2023 7:38:21 PM	74060
Xylenes, Total	ND	0.091		mg/Kg	1	4/3/2023 7:38:21 PM	74060
Surr: 4-Bromofluorobenzene	83.8	70-130		%Rec	1	4/3/2023 7:38:21 PM	74060

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

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

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-8

Project: Thomas 1 Pl

Collection Date: 3/29/2023 1:14:00 PM

Lab ID: 2303F11-018

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	550	150		mg/Kg	50	4/3/2023 7:18:24 PM	74089
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	26	9.2		mg/Kg	1	4/4/2023 8:49:13 AM	74063
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	4/4/2023 8:49:13 AM	74063
Surr: DNOP	78.4	69-147		%Rec	1	4/4/2023 8:49:13 AM	74063
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/3/2023 8:01:57 PM	74060
Surr: BFB	101	37.7-212		%Rec	1	4/3/2023 8:01:57 PM	74060
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	4/3/2023 8:01:57 PM	74060
Toluene	ND	0.047		mg/Kg	1	4/3/2023 8:01:57 PM	74060
Ethylbenzene	ND	0.047		mg/Kg	1	4/3/2023 8:01:57 PM	74060
Xylenes, Total	ND	0.094		mg/Kg	1	4/3/2023 8:01:57 PM	74060
Surr: 4-Bromofluorobenzene	85.9	70-130		%Rec	1	4/3/2023 8:01:57 PM	74060

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

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

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-9

Project: Thomas 1 Pl

Collection Date: 3/29/2023 1:16:00 PM

Lab ID: 2303F11-019

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	2800	150		mg/Kg	50	4/3/2023 7:30:49 PM	74089
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	14	9.9		mg/Kg	1	4/4/2023 3:48:58 PM	74063
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/4/2023 3:48:58 PM	74063
Surr: DNOP	145	69-147		%Rec	1	4/4/2023 3:48:58 PM	74063
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/3/2023 8:25:28 PM	74060
Surr: BFB	101	37.7-212		%Rec	1	4/3/2023 8:25:28 PM	74060
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	4/3/2023 8:25:28 PM	74060
Toluene	ND	0.048		mg/Kg	1	4/3/2023 8:25:28 PM	74060
Ethylbenzene	ND	0.048		mg/Kg	1	4/3/2023 8:25:28 PM	74060
Xylenes, Total	ND	0.096		mg/Kg	1	4/3/2023 8:25:28 PM	74060
Surr: 4-Bromofluorobenzene	84.8	70-130		%Rec	1	4/3/2023 8:25:28 PM	74060

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

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

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-10

Project: Thomas 1 Pl

Collection Date: 3/29/2023 1:18:00 PM

Lab ID: 2303F11-020

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	620	150		mg/Kg	50	4/3/2023 7:43:14 PM	74089
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	23	9.7		mg/Kg	1	4/4/2023 9:10:09 AM	74063
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/4/2023 9:10:09 AM	74063
Surr: DNOP	133	69-147		%Rec	1	4/4/2023 9:10:09 AM	74063
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	4/3/2023 8:48:59 PM	74060
Surr: BFB	102	37.7-212		%Rec	1	4/3/2023 8:48:59 PM	74060
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.023		mg/Kg	1	4/3/2023 8:48:59 PM	74060
Toluene	ND	0.046		mg/Kg	1	4/3/2023 8:48:59 PM	74060
Ethylbenzene	ND	0.046		mg/Kg	1	4/3/2023 8:48:59 PM	74060
Xylenes, Total	ND	0.091		mg/Kg	1	4/3/2023 8:48:59 PM	74060
Surr: 4-Bromofluorobenzene	85.7	70-130		%Rec	1	4/3/2023 8:48:59 PM	74060

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

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

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-11

Project: Thomas 1 Pl

Collection Date: 3/29/2023 1:20:00 PM

Lab ID: 2303F11-021

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	2000	150		mg/Kg	50	4/3/2023 8:20:28 PM	74089
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	680	9.4		mg/Kg	1	4/4/2023 9:51:22 PM	74066
Motor Oil Range Organics (MRO)	240	47		mg/Kg	1	4/4/2023 9:51:22 PM	74066
Surr: DNOP	137	69-147		%Rec	1	4/4/2023 9:51:22 PM	74066
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/3/2023 9:54:00 PM	74062
Surr: BFB	92.3	37.7-212		%Rec	1	4/3/2023 9:54:00 PM	74062
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	4/3/2023 9:54:00 PM	74062
Toluene	ND	0.049		mg/Kg	1	4/3/2023 9:54:00 PM	74062
Ethylbenzene	ND	0.049		mg/Kg	1	4/3/2023 9:54:00 PM	74062
Xylenes, Total	ND	0.097		mg/Kg	1	4/3/2023 9:54:00 PM	74062
Surr: 4-Bromofluorobenzene	84.0	70-130		%Rec	1	4/3/2023 9:54:00 PM	74062

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

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

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-12

Project: Thomas 1 Pl

Collection Date: 3/29/2023 1:22:00 PM

Lab ID: 2303F11-022

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	670	150		mg/Kg	50	4/3/2023 8:32:53 PM	74089
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	31	9.3		mg/Kg	1	4/4/2023 10:21:50 AM	74066
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	4/4/2023 10:21:50 AM	74066
Surr: DNOP	108	69-147		%Rec	1	4/4/2023 10:21:50 AM	74066
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/3/2023 10:58:00 PM	74062
Surr: BFB	92.9	37.7-212		%Rec	1	4/3/2023 10:58:00 PM	74062
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	4/3/2023 10:58:00 PM	74062
Toluene	ND	0.048		mg/Kg	1	4/3/2023 10:58:00 PM	74062
Ethylbenzene	ND	0.048		mg/Kg	1	4/3/2023 10:58:00 PM	74062
Xylenes, Total	ND	0.095		mg/Kg	1	4/3/2023 10:58:00 PM	74062
Surr: 4-Bromofluorobenzene	85.9	70-130		%Rec	1	4/3/2023 10:58:00 PM	74062

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

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

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-13

Project: Thomas 1 Pl

Collection Date: 3/29/2023 1:24:00 PM

Lab ID: 2303F11-023

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	3600	150		mg/Kg	50	4/3/2023 8:45:17 PM	74089
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	15	9.5		mg/Kg	1	4/4/2023 10:32:27 AM	74066
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/4/2023 10:32:27 AM	74066
Surr: DNOP	138	69-147		%Rec	1	4/4/2023 10:32:27 AM	74066
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/4/2023 12:03:00 AM	74062
Surr: BFB	89.6	37.7-212		%Rec	1	4/4/2023 12:03:00 AM	74062
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	4/4/2023 12:03:00 AM	74062
Toluene	ND	0.049		mg/Kg	1	4/4/2023 12:03:00 AM	74062
Ethylbenzene	ND	0.049		mg/Kg	1	4/4/2023 12:03:00 AM	74062
Xylenes, Total	ND	0.098		mg/Kg	1	4/4/2023 12:03:00 AM	74062
Surr: 4-Bromofluorobenzene	86.1	70-130		%Rec	1	4/4/2023 12:03:00 AM	74062

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

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

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-14

Project: Thomas 1 Pl

Collection Date: 3/29/2023 1:26:00 PM

Lab ID: 2303F11-024

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	1100	150		mg/Kg	50	4/3/2023 9:22:31 PM	74089
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	29	9.8		mg/Kg	1	4/4/2023 11:18:37 AM	74066
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/4/2023 11:18:37 AM	74066
Surr: DNOP	124	69-147		%Rec	1	4/4/2023 11:18:37 AM	74066
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/4/2023 12:25:00 AM	74062
Surr: BFB	87.3	37.7-212		%Rec	1	4/4/2023 12:25:00 AM	74062
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	4/4/2023 12:25:00 AM	74062
Toluene	ND	0.047		mg/Kg	1	4/4/2023 12:25:00 AM	74062
Ethylbenzene	ND	0.047		mg/Kg	1	4/4/2023 12:25:00 AM	74062
Xylenes, Total	ND	0.095		mg/Kg	1	4/4/2023 12:25:00 AM	74062
Surr: 4-Bromofluorobenzene	86.2	70-130		%Rec	1	4/4/2023 12:25:00 AM	74062

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

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

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-15

Project: Thomas 1 Pl

Collection Date: 3/29/2023 1:28:00 PM

Lab ID: 2303F11-025

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	2300	150		mg/Kg	50	4/3/2023 9:34:55 PM	74089
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	610	9.7		mg/Kg	1	4/5/2023 2:19:13 PM	74066
Motor Oil Range Organics (MRO)	280	48		mg/Kg	1	4/5/2023 2:19:13 PM	74066
Surr: DNOP	128	69-147		%Rec	1	4/5/2023 2:19:13 PM	74066
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/4/2023 12:46:00 AM	74062
Surr: BFB	83.3	37.7-212		%Rec	1	4/4/2023 12:46:00 AM	74062
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.023		mg/Kg	1	4/4/2023 12:46:00 AM	74062
Toluene	ND	0.047		mg/Kg	1	4/4/2023 12:46:00 AM	74062
Ethylbenzene	ND	0.047		mg/Kg	1	4/4/2023 12:46:00 AM	74062
Xylenes, Total	ND	0.094		mg/Kg	1	4/4/2023 12:46:00 AM	74062
Surr: 4-Bromofluorobenzene	82.8	70-130		%Rec	1	4/4/2023 12:46:00 AM	74062

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

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

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-16

Project: Thomas 1 Pl

Collection Date: 3/29/2023 1:30:00 PM

Lab ID: 2303F11-026

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	680	150		mg/Kg	50	4/3/2023 9:47:20 PM	74089
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	25	9.8		mg/Kg	1	4/4/2023 11:39:57 AM	74066
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/4/2023 11:39:57 AM	74066
Surr: DNOP	74.0	69-147		%Rec	1	4/4/2023 11:39:57 AM	74066
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/4/2023 1:08:00 AM	74062
Surr: BFB	87.2	37.7-212		%Rec	1	4/4/2023 1:08:00 AM	74062
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	4/4/2023 1:08:00 AM	74062
Toluene	ND	0.048		mg/Kg	1	4/4/2023 1:08:00 AM	74062
Ethylbenzene	ND	0.048		mg/Kg	1	4/4/2023 1:08:00 AM	74062
Xylenes, Total	ND	0.096		mg/Kg	1	4/4/2023 1:08:00 AM	74062
Surr: 4-Bromofluorobenzene	84.8	70-130		%Rec	1	4/4/2023 1:08:00 AM	74062

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

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

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-17

Project: Thomas 1 Pl

Collection Date: 3/29/2023 1:32:00 PM

Lab ID: 2303F11-027

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	900	150		mg/Kg	50	4/3/2023 10:24:34 PM	74089
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	49	9.7		mg/Kg	1	4/4/2023 11:50:45 AM	74066
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/4/2023 11:50:45 AM	74066
Surr: DNOP	97.3	69-147		%Rec	1	4/4/2023 11:50:45 AM	74066
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/4/2023 1:29:00 AM	74062
Surr: BFB	87.1	37.7-212		%Rec	1	4/4/2023 1:29:00 AM	74062
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	4/4/2023 1:29:00 AM	74062
Toluene	ND	0.049		mg/Kg	1	4/4/2023 1:29:00 AM	74062
Ethylbenzene	ND	0.049		mg/Kg	1	4/4/2023 1:29:00 AM	74062
Xylenes, Total	ND	0.098		mg/Kg	1	4/4/2023 1:29:00 AM	74062
Surr: 4-Bromofluorobenzene	84.4	70-130		%Rec	1	4/4/2023 1:29:00 AM	74062

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

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

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-18

Project: Thomas 1 Pl

Collection Date: 3/29/2023 1:34:00 PM

Lab ID: 2303F11-028

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	4200	150		mg/Kg	50	4/3/2023 10:36:58 PM	74089
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	9.7	9.4		mg/Kg	1	4/4/2023 12:01:34 PM	74066
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	4/4/2023 12:01:34 PM	74066
Surr: DNOP	103	69-147		%Rec	1	4/4/2023 12:01:34 PM	74066
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/4/2023 1:51:00 AM	74062
Surr: BFB	87.0	37.7-212		%Rec	1	4/4/2023 1:51:00 AM	74062
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	4/4/2023 1:51:00 AM	74062
Toluene	ND	0.048		mg/Kg	1	4/4/2023 1:51:00 AM	74062
Ethylbenzene	ND	0.048		mg/Kg	1	4/4/2023 1:51:00 AM	74062
Xylenes, Total	ND	0.096		mg/Kg	1	4/4/2023 1:51:00 AM	74062
Surr: 4-Bromofluorobenzene	85.5	70-130		%Rec	1	4/4/2023 1:51:00 AM	74062

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

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

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-19

Project: Thomas 1 Pl

Collection Date: 3/29/2023 1:36:00 PM

Lab ID: 2303F11-029

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	1000	150		mg/Kg	50	4/4/2023 12:32:09 PM	74109
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	51	9.8		mg/Kg	1	4/4/2023 12:33:49 PM	74066
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/4/2023 12:33:49 PM	74066
Surr: DNOP	74.4	69-147		%Rec	1	4/4/2023 12:33:49 PM	74066
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/4/2023 2:12:00 AM	74062
Surr: BFB	83.5	37.7-212		%Rec	1	4/4/2023 2:12:00 AM	74062
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	4/4/2023 2:12:00 AM	74062
Toluene	ND	0.048		mg/Kg	1	4/4/2023 2:12:00 AM	74062
Ethylbenzene	ND	0.048		mg/Kg	1	4/4/2023 2:12:00 AM	74062
Xylenes, Total	ND	0.095		mg/Kg	1	4/4/2023 2:12:00 AM	74062
Surr: 4-Bromofluorobenzene	85.0	70-130		%Rec	1	4/4/2023 2:12:00 AM	74062

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

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

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-20

Project: Thomas 1 Pl

Collection Date: 3/29/2023 1:40:00 PM

Lab ID: 2303F11-030

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	2300	150		mg/Kg	50	4/4/2023 1:09:10 PM	74109
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	570	19		mg/Kg	2	4/5/2023 9:28:16 PM	74066
Motor Oil Range Organics (MRO)	230	97		mg/Kg	2	4/5/2023 9:28:16 PM	74066
Surr: DNOP	84.7	69-147		%Rec	2	4/5/2023 9:28:16 PM	74066
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/4/2023 2:34:00 AM	74062
Surr: BFB	91.0	37.7-212		%Rec	1	4/4/2023 2:34:00 AM	74062
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	4/4/2023 2:34:00 AM	74062
Toluene	ND	0.048		mg/Kg	1	4/4/2023 2:34:00 AM	74062
Ethylbenzene	ND	0.048		mg/Kg	1	4/4/2023 2:34:00 AM	74062
Xylenes, Total	ND	0.097		mg/Kg	1	4/4/2023 2:34:00 AM	74062
Surr: 4-Bromofluorobenzene	85.5	70-130		%Rec	1	4/4/2023 2:34:00 AM	74062

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

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

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-21

Project: Thomas 1 Pl

Collection Date: 3/29/2023 1:42:00 PM

Lab ID: 2303F11-031

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	1800	150		mg/Kg	50	4/4/2023 1:21:31 PM	74109
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	470	9.3		mg/Kg	1	4/5/2023 3:49:57 PM	74066
Motor Oil Range Organics (MRO)	190	46		mg/Kg	1	4/5/2023 3:49:57 PM	74066
Surr: DNOP	83.6	69-147		%Rec	1	4/5/2023 3:49:57 PM	74066
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/4/2023 3:17:00 AM	74062
Surr: BFB	84.8	37.7-212		%Rec	1	4/4/2023 3:17:00 AM	74062
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	4/4/2023 3:17:00 AM	74062
Toluene	ND	0.049		mg/Kg	1	4/4/2023 3:17:00 AM	74062
Ethylbenzene	ND	0.049		mg/Kg	1	4/4/2023 3:17:00 AM	74062
Xylenes, Total	ND	0.097		mg/Kg	1	4/4/2023 3:17:00 AM	74062
Surr: 4-Bromofluorobenzene	84.0	70-130		%Rec	1	4/4/2023 3:17:00 AM	74062

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

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

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-22

Project: Thomas 1 Pl

Collection Date: 3/29/2023 1:44:00 PM

Lab ID: 2303F11-032

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	1000	150		mg/Kg	50	4/4/2023 1:33:52 PM	74109
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	35	9.6		mg/Kg	1	4/4/2023 1:17:13 PM	74066
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/4/2023 1:17:13 PM	74066
Surr: DNOP	77.7	69-147		%Rec	1	4/4/2023 1:17:13 PM	74066
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/4/2023 3:39:00 AM	74062
Surr: BFB	88.0	37.7-212		%Rec	1	4/4/2023 3:39:00 AM	74062
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	4/4/2023 3:39:00 AM	74062
Toluene	ND	0.049		mg/Kg	1	4/4/2023 3:39:00 AM	74062
Ethylbenzene	ND	0.049		mg/Kg	1	4/4/2023 3:39:00 AM	74062
Xylenes, Total	ND	0.098		mg/Kg	1	4/4/2023 3:39:00 AM	74062
Surr: 4-Bromofluorobenzene	86.6	70-130		%Rec	1	4/4/2023 3:39:00 AM	74062

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

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

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-23

Project: Thomas 1 Pl

Collection Date: 3/29/2023 1:46:00 PM

Lab ID: 2303F11-033

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	2200	150		mg/Kg	50	4/4/2023 2:47:58 PM	74109
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	16	9.7		mg/Kg	1	4/4/2023 1:28:04 PM	74066
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/4/2023 1:28:04 PM	74066
Surr: DNOP	106	69-147		%Rec	1	4/4/2023 1:28:04 PM	74066
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/4/2023 4:00:00 AM	74062
Surr: BFB	91.5	37.7-212		%Rec	1	4/4/2023 4:00:00 AM	74062
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	4/4/2023 4:00:00 AM	74062
Toluene	ND	0.048		mg/Kg	1	4/4/2023 4:00:00 AM	74062
Ethylbenzene	ND	0.048		mg/Kg	1	4/4/2023 4:00:00 AM	74062
Xylenes, Total	ND	0.095		mg/Kg	1	4/4/2023 4:00:00 AM	74062
Surr: 4-Bromofluorobenzene	88.6	70-130		%Rec	1	4/4/2023 4:00:00 AM	74062

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

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

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-24

Project: Thomas 1 Pl

Collection Date: 3/29/2023 1:48:00 PM

Lab ID: 2303F11-034

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	1300	150		mg/Kg	50	4/4/2023 3:37:19 PM	74109
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	36	9.8		mg/Kg	1	4/4/2023 1:38:54 PM	74066
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/4/2023 1:38:54 PM	74066
Surr: DNOP	72.5	69-147		%Rec	1	4/4/2023 1:38:54 PM	74066
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/4/2023 4:22:00 AM	74062
Surr: BFB	87.9	37.7-212		%Rec	1	4/4/2023 4:22:00 AM	74062
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	4/4/2023 4:22:00 AM	74062
Toluene	ND	0.048		mg/Kg	1	4/4/2023 4:22:00 AM	74062
Ethylbenzene	ND	0.048		mg/Kg	1	4/4/2023 4:22:00 AM	74062
Xylenes, Total	ND	0.097		mg/Kg	1	4/4/2023 4:22:00 AM	74062
Surr: 4-Bromofluorobenzene	86.9	70-130		%Rec	1	4/4/2023 4:22:00 AM	74062

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

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

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-25

Project: Thomas 1 Pl

Collection Date: 3/29/2023 1:50:00 PM

Lab ID: 2303F11-035

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	1900	150		mg/Kg	50	4/4/2023 4:14:21 PM	74109
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	450	9.5		mg/Kg	1	4/5/2023 4:20:26 PM	74066
Motor Oil Range Organics (MRO)	190	47		mg/Kg	1	4/5/2023 4:20:26 PM	74066
Surr: DNOP	96.0	69-147		%Rec	1	4/5/2023 4:20:26 PM	74066
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/4/2023 4:44:00 AM	74062
Surr: BFB	90.8	37.7-212		%Rec	1	4/4/2023 4:44:00 AM	74062
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	4/4/2023 4:44:00 AM	74062
Toluene	ND	0.049		mg/Kg	1	4/4/2023 4:44:00 AM	74062
Ethylbenzene	ND	0.049		mg/Kg	1	4/4/2023 4:44:00 AM	74062
Xylenes, Total	ND	0.098		mg/Kg	1	4/4/2023 4:44:00 AM	74062
Surr: 4-Bromofluorobenzene	87.2	70-130		%Rec	1	4/4/2023 4:44:00 AM	74062

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

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

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-26

Project: Thomas 1 Pl

Collection Date: 3/29/2023 1:52:00 PM

Lab ID: 2303F11-036

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	560	150		mg/Kg	50	4/4/2023 4:26:42 PM	74109
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	34	9.7		mg/Kg	1	4/5/2023 1:52:08 PM	74191
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/5/2023 1:52:08 PM	74191
Surr: DNOP	65.9	69-147	S	%Rec	1	4/5/2023 1:52:08 PM	74191
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/4/2023 5:05:00 AM	74062
Surr: BFB	92.5	37.7-212		%Rec	1	4/4/2023 5:05:00 AM	74062
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	4/4/2023 5:05:00 AM	74062
Toluene	ND	0.048		mg/Kg	1	4/4/2023 5:05:00 AM	74062
Ethylbenzene	ND	0.048		mg/Kg	1	4/4/2023 5:05:00 AM	74062
Xylenes, Total	ND	0.096		mg/Kg	1	4/4/2023 5:05:00 AM	74062
Surr: 4-Bromofluorobenzene	88.1	70-130		%Rec	1	4/4/2023 5:05:00 AM	74062

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

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

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-27

Project: Thomas 1 Pl

Collection Date: 3/29/2023 1:54:00 PM

Lab ID: 2303F11-037

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	1600	150		mg/Kg	50	4/4/2023 4:39:04 PM	74109
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	14	9.5		mg/Kg	1	4/4/2023 2:21:46 PM	74066
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	4/4/2023 2:21:46 PM	74066
Surr: DNOP	107	69-147		%Rec	1	4/4/2023 2:21:46 PM	74066
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/4/2023 5:27:00 AM	74062
Surr: BFB	92.6	37.7-212		%Rec	1	4/4/2023 5:27:00 AM	74062
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	4/4/2023 5:27:00 AM	74062
Toluene	ND	0.049		mg/Kg	1	4/4/2023 5:27:00 AM	74062
Ethylbenzene	ND	0.049		mg/Kg	1	4/4/2023 5:27:00 AM	74062
Xylenes, Total	ND	0.099		mg/Kg	1	4/4/2023 5:27:00 AM	74062
Surr: 4-Bromofluorobenzene	87.8	70-130		%Rec	1	4/4/2023 5:27:00 AM	74062

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

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

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-28

Project: Thomas 1 Pl

Collection Date: 3/29/2023 1:56:00 PM

Lab ID: 2303F11-038

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	1800	150		mg/Kg	50	4/4/2023 4:51:25 PM	74109
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	18	9.2		mg/Kg	1	4/4/2023 2:32:31 PM	74066
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	4/4/2023 2:32:31 PM	74066
Surr: DNOP	80.3	69-147		%Rec	1	4/4/2023 2:32:31 PM	74066
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/4/2023 5:49:00 AM	74062
Surr: BFB	88.2	37.7-212		%Rec	1	4/4/2023 5:49:00 AM	74062
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	4/4/2023 5:49:00 AM	74062
Toluene	ND	0.048		mg/Kg	1	4/4/2023 5:49:00 AM	74062
Ethylbenzene	ND	0.048		mg/Kg	1	4/4/2023 5:49:00 AM	74062
Xylenes, Total	ND	0.095		mg/Kg	1	4/4/2023 5:49:00 AM	74062
Surr: 4-Bromofluorobenzene	86.1	70-130		%Rec	1	4/4/2023 5:49:00 AM	74062

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

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

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-29

Project: Thomas 1 Pl

Collection Date: 3/29/2023 1:58:00 PM

Lab ID: 2303F11-039

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	2200	150		mg/Kg	50	4/4/2023 5:03:47 PM	74109
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	630	9.2		mg/Kg	1	4/5/2023 3:19:32 PM	74066
Motor Oil Range Organics (MRO)	270	46		mg/Kg	1	4/5/2023 3:19:32 PM	74066
Surr: DNOP	90.5	69-147		%Rec	1	4/5/2023 3:19:32 PM	74066
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/4/2023 6:10:00 AM	74062
Surr: BFB	92.0	37.7-212		%Rec	1	4/4/2023 6:10:00 AM	74062
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	4/4/2023 6:10:00 AM	74062
Toluene	ND	0.048		mg/Kg	1	4/4/2023 6:10:00 AM	74062
Ethylbenzene	ND	0.048		mg/Kg	1	4/4/2023 6:10:00 AM	74062
Xylenes, Total	ND	0.096		mg/Kg	1	4/4/2023 6:10:00 AM	74062
Surr: 4-Bromofluorobenzene	88.2	70-130		%Rec	1	4/4/2023 6:10:00 AM	74062

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

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

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-30

Project: Thomas 1 Pl

Collection Date: 3/29/2023 2:00:00 PM

Lab ID: 2303F11-040

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	870	150		mg/Kg	50	4/4/2023 6:05:31 PM	74109
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	59	9.8		mg/Kg	1	4/4/2023 2:53:57 PM	74066
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/4/2023 2:53:57 PM	74066
Surr: DNOP	120	69-147		%Rec	1	4/4/2023 2:53:57 PM	74066
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/4/2023 6:32:00 AM	74062
Surr: BFB	92.4	37.7-212		%Rec	1	4/4/2023 6:32:00 AM	74062
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	4/4/2023 6:32:00 AM	74062
Toluene	ND	0.049		mg/Kg	1	4/4/2023 6:32:00 AM	74062
Ethylbenzene	ND	0.049		mg/Kg	1	4/4/2023 6:32:00 AM	74062
Xylenes, Total	ND	0.099		mg/Kg	1	4/4/2023 6:32:00 AM	74062
Surr: 4-Bromofluorobenzene	85.4	70-130		%Rec	1	4/4/2023 6:32:00 AM	74062

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

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

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-31

Project: Thomas 1 Pl

Collection Date: 3/29/2023 2:02:00 PM

Lab ID: 2303F11-041

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	2300	150		mg/Kg	50	4/4/2023 6:17:51 PM	74109
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	11	10		mg/Kg	1	4/4/2023 11:03:11 PM	74095
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/4/2023 11:03:11 PM	74095
Surr: DNOP	70.1	69-147		%Rec	1	4/4/2023 11:03:11 PM	74095
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/4/2023 1:08:00 PM	74067
Surr: BFB	87.5	37.7-212		%Rec	1	4/4/2023 1:08:00 PM	74067
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	4/4/2023 1:08:00 PM	74067
Toluene	ND	0.050		mg/Kg	1	4/4/2023 1:08:00 PM	74067
Ethylbenzene	ND	0.050		mg/Kg	1	4/4/2023 1:08:00 PM	74067
Xylenes, Total	ND	0.10		mg/Kg	1	4/4/2023 1:08:00 PM	74067
Surr: 4-Bromofluorobenzene	85.1	70-130		%Rec	1	4/4/2023 1:08:00 PM	74067

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

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

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-32

Project: Thomas 1 Pl

Collection Date: 3/29/2023 2:04:00 PM

Lab ID: 2303F11-042

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	960	150		mg/Kg	50	4/4/2023 6:54:55 PM	74114
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	36	9.5		mg/Kg	1	4/4/2023 11:45:09 PM	74095
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/4/2023 11:45:09 PM	74095
Surr: DNOP	72.1	69-147		%Rec	1	4/4/2023 11:45:09 PM	74095
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/4/2023 2:13:00 PM	74067
Surr: BFB	93.2	37.7-212		%Rec	1	4/4/2023 2:13:00 PM	74067
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	4/4/2023 2:13:00 PM	74067
Toluene	ND	0.048		mg/Kg	1	4/4/2023 2:13:00 PM	74067
Ethylbenzene	ND	0.048		mg/Kg	1	4/4/2023 2:13:00 PM	74067
Xylenes, Total	ND	0.097		mg/Kg	1	4/4/2023 2:13:00 PM	74067
Surr: 4-Bromofluorobenzene	88.0	70-130		%Rec	1	4/4/2023 2:13:00 PM	74067

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

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

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-33

Project: Thomas 1 Pl

Collection Date: 3/29/2023 2:06:00 PM

Lab ID: 2303F11-043

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	2100	150		mg/Kg	50	4/4/2023 7:31:56 PM	74114
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	460	9.1		mg/Kg	1	4/5/2023 4:50:49 PM	74095
Motor Oil Range Organics (MRO)	220	46		mg/Kg	1	4/5/2023 4:50:49 PM	74095
Surr: DNOP	83.2	69-147		%Rec	1	4/5/2023 4:50:49 PM	74095
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/4/2023 3:18:00 PM	74067
Surr: BFB	86.6	37.7-212		%Rec	1	4/4/2023 3:18:00 PM	74067
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	4/4/2023 3:18:00 PM	74067
Toluene	ND	0.049		mg/Kg	1	4/4/2023 3:18:00 PM	74067
Ethylbenzene	ND	0.049		mg/Kg	1	4/4/2023 3:18:00 PM	74067
Xylenes, Total	ND	0.098		mg/Kg	1	4/4/2023 3:18:00 PM	74067
Surr: 4-Bromofluorobenzene	85.2	70-130		%Rec	1	4/4/2023 3:18:00 PM	74067

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

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

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-34

Project: Thomas 1 Pl

Collection Date: 3/29/2023 2:08:00 PM

Lab ID: 2303F11-044

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	880	150		mg/Kg	50	4/4/2023 7:44:17 PM	74114
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	26	10		mg/Kg	1	4/5/2023 12:16:39 AM	74095
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/5/2023 12:16:39 AM	74095
Surr: DNOP	86.4	69-147		%Rec	1	4/5/2023 12:16:39 AM	74095
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/4/2023 3:39:00 PM	74067
Surr: BFB	88.6	37.7-212		%Rec	1	4/4/2023 3:39:00 PM	74067
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	4/4/2023 3:39:00 PM	74067
Toluene	ND	0.049		mg/Kg	1	4/4/2023 3:39:00 PM	74067
Ethylbenzene	ND	0.049		mg/Kg	1	4/4/2023 3:39:00 PM	74067
Xylenes, Total	ND	0.098		mg/Kg	1	4/4/2023 3:39:00 PM	74067
Surr: 4-Bromofluorobenzene	83.8	70-130		%Rec	1	4/4/2023 3:39:00 PM	74067

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

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

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-35

Project: Thomas 1 Pl

Collection Date: 3/29/2023 2:10:00 PM

Lab ID: 2303F11-045

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	1900	150		mg/Kg	50	4/4/2023 7:56:39 PM	74114
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	530	9.4		mg/Kg	1	4/7/2023 1:53:45 PM	74095
Motor Oil Range Organics (MRO)	250	47		mg/Kg	1	4/7/2023 1:53:45 PM	74095
Surr: DNOP	83.0	69-147		%Rec	1	4/7/2023 1:53:45 PM	74095
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/4/2023 4:01:00 PM	74067
Surr: BFB	89.6	37.7-212		%Rec	1	4/4/2023 4:01:00 PM	74067
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	4/4/2023 4:01:00 PM	74067
Toluene	ND	0.048		mg/Kg	1	4/4/2023 4:01:00 PM	74067
Ethylbenzene	ND	0.048		mg/Kg	1	4/4/2023 4:01:00 PM	74067
Xylenes, Total	ND	0.095		mg/Kg	1	4/4/2023 4:01:00 PM	74067
Surr: 4-Bromofluorobenzene	84.8	70-130		%Rec	1	4/4/2023 4:01:00 PM	74067

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

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

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-36

Project: Thomas 1 Pl

Collection Date: 3/29/2023 2:12:00 PM

Lab ID: 2303F11-046

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	1300	150		mg/Kg	50	4/4/2023 8:33:41 PM	74114
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	32	10		mg/Kg	1	4/5/2023 12:37:44 AM	74095
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/5/2023 12:37:44 AM	74095
Surr: DNOP	73.4	69-147		%Rec	1	4/5/2023 12:37:44 AM	74095
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/4/2023 4:22:00 PM	74067
Surr: BFB	89.0	37.7-212		%Rec	1	4/4/2023 4:22:00 PM	74067
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	4/4/2023 4:22:00 PM	74067
Toluene	ND	0.048		mg/Kg	1	4/4/2023 4:22:00 PM	74067
Ethylbenzene	ND	0.048		mg/Kg	1	4/4/2023 4:22:00 PM	74067
Xylenes, Total	ND	0.096		mg/Kg	1	4/4/2023 4:22:00 PM	74067
Surr: 4-Bromofluorobenzene	85.0	70-130		%Rec	1	4/4/2023 4:22:00 PM	74067

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

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

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-37

Project: Thomas 1 Pl

Collection Date: 3/29/2023 2:14:00 PM

Lab ID: 2303F11-047

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	1600	150		mg/Kg	50	4/4/2023 8:46:02 PM	74114
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	420	9.7		mg/Kg	1	4/5/2023 5:56:45 PM	74095
Motor Oil Range Organics (MRO)	210	49		mg/Kg	1	4/5/2023 5:56:45 PM	74095
Surr: DNOP	77.9	69-147		%Rec	1	4/5/2023 5:56:45 PM	74095
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/4/2023 4:44:00 PM	74067
Surr: BFB	88.3	37.7-212		%Rec	1	4/4/2023 4:44:00 PM	74067
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	4/4/2023 4:44:00 PM	74067
Toluene	ND	0.048		mg/Kg	1	4/4/2023 4:44:00 PM	74067
Ethylbenzene	ND	0.048		mg/Kg	1	4/4/2023 4:44:00 PM	74067
Xylenes, Total	ND	0.097		mg/Kg	1	4/4/2023 4:44:00 PM	74067
Surr: 4-Bromofluorobenzene	83.6	70-130		%Rec	1	4/4/2023 4:44:00 PM	74067

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

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

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-38

Project: Thomas 1 Pl

Collection Date: 3/29/2023 2:16:00 PM

Lab ID: 2303F11-048

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	3100	150		mg/Kg	50	4/4/2023 8:58:23 PM	74114
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	13	9.8		mg/Kg	1	4/5/2023 1:09:16 AM	74095
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/5/2023 1:09:16 AM	74095
Surr: DNOP	91.2	69-147		%Rec	1	4/5/2023 1:09:16 AM	74095
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/4/2023 5:05:00 PM	74067
Surr: BFB	89.8	37.7-212		%Rec	1	4/4/2023 5:05:00 PM	74067
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	4/4/2023 5:05:00 PM	74067
Toluene	ND	0.049		mg/Kg	1	4/4/2023 5:05:00 PM	74067
Ethylbenzene	ND	0.049		mg/Kg	1	4/4/2023 5:05:00 PM	74067
Xylenes, Total	ND	0.098		mg/Kg	1	4/4/2023 5:05:00 PM	74067
Surr: 4-Bromofluorobenzene	86.3	70-130		%Rec	1	4/4/2023 5:05:00 PM	74067

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

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

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-39

Project: Thomas 1 Pl

Collection Date: 3/29/2023 2:18:00 PM

Lab ID: 2303F11-049

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	2100	150		mg/Kg	50	4/4/2023 9:10:43 PM	74114
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	600	9.8		mg/Kg	1	4/5/2023 6:57:28 PM	74095
Motor Oil Range Organics (MRO)	260	49		mg/Kg	1	4/5/2023 6:57:28 PM	74095
Surr: DNOP	83.0	69-147		%Rec	1	4/5/2023 6:57:28 PM	74095
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/4/2023 5:27:00 PM	74067
Surr: BFB	88.5	37.7-212		%Rec	1	4/4/2023 5:27:00 PM	74067
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	4/4/2023 5:27:00 PM	74067
Toluene	ND	0.049		mg/Kg	1	4/4/2023 5:27:00 PM	74067
Ethylbenzene	ND	0.049		mg/Kg	1	4/4/2023 5:27:00 PM	74067
Xylenes, Total	ND	0.098		mg/Kg	1	4/4/2023 5:27:00 PM	74067
Surr: 4-Bromofluorobenzene	86.3	70-130		%Rec	1	4/4/2023 5:27:00 PM	74067

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

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

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-40

Project: Thomas 1 Pl

Collection Date: 3/29/2023 2:20:00 PM

Lab ID: 2303F11-050

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	1800	150		mg/Kg	50	4/4/2023 9:23:03 PM	74114
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	14	9.5		mg/Kg	1	4/5/2023 1:50:59 AM	74095
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/5/2023 1:50:59 AM	74095
Surr: DNOP	89.7	69-147		%Rec	1	4/5/2023 1:50:59 AM	74095
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/4/2023 5:49:00 PM	74067
Surr: BFB	90.6	37.7-212		%Rec	1	4/4/2023 5:49:00 PM	74067
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	4/4/2023 5:49:00 PM	74067
Toluene	ND	0.048		mg/Kg	1	4/4/2023 5:49:00 PM	74067
Ethylbenzene	ND	0.048		mg/Kg	1	4/4/2023 5:49:00 PM	74067
Xylenes, Total	ND	0.096		mg/Kg	1	4/4/2023 5:49:00 PM	74067
Surr: 4-Bromofluorobenzene	88.2	70-130		%Rec	1	4/4/2023 5:49:00 PM	74067

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

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

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-41

Project: Thomas 1 Pl

Collection Date: 3/29/2023 2:22:00 PM

Lab ID: 2303F11-051

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	2200	150		mg/Kg	50	4/4/2023 9:35:23 PM	74114
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	690	9.5		mg/Kg	1	4/5/2023 7:57:52 PM	74095
Motor Oil Range Organics (MRO)	330	47		mg/Kg	1	4/5/2023 7:57:52 PM	74095
Surr: DNOP	96.0	69-147		%Rec	1	4/5/2023 7:57:52 PM	74095
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/4/2023 6:32:00 PM	74067
Surr: BFB	86.8	37.7-212		%Rec	1	4/4/2023 6:32:00 PM	74067
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	4/4/2023 6:32:00 PM	74067
Toluene	ND	0.049		mg/Kg	1	4/4/2023 6:32:00 PM	74067
Ethylbenzene	ND	0.049		mg/Kg	1	4/4/2023 6:32:00 PM	74067
Xylenes, Total	ND	0.098		mg/Kg	1	4/4/2023 6:32:00 PM	74067
Surr: 4-Bromofluorobenzene	85.4	70-130		%Rec	1	4/4/2023 6:32:00 PM	74067

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

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

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-42

Project: Thomas 1 Pl

Collection Date: 3/29/2023 2:24:00 PM

Lab ID: 2303F11-052

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	1300	150		mg/Kg	50	4/4/2023 9:47:44 PM	74114
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	96	9.4		mg/Kg	1	4/5/2023 2:12:05 AM	74095
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	4/5/2023 2:12:05 AM	74095
Surr: DNOP	70.3	69-147		%Rec	1	4/5/2023 2:12:05 AM	74095
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/4/2023 6:54:00 PM	74067
Surr: BFB	87.3	37.7-212		%Rec	1	4/4/2023 6:54:00 PM	74067
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	4/4/2023 6:54:00 PM	74067
Toluene	ND	0.048		mg/Kg	1	4/4/2023 6:54:00 PM	74067
Ethylbenzene	ND	0.048		mg/Kg	1	4/4/2023 6:54:00 PM	74067
Xylenes, Total	ND	0.095		mg/Kg	1	4/4/2023 6:54:00 PM	74067
Surr: 4-Bromofluorobenzene	84.8	70-130		%Rec	1	4/4/2023 6:54:00 PM	74067

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

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

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-43

Project: Thomas 1 Pl

Collection Date: 3/29/2023 2:26:00 PM

Lab ID: 2303F11-053

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	2400	150		mg/Kg	50	4/4/2023 10:00:04 PM	74114
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	12	9.6		mg/Kg	1	4/5/2023 2:41:42 AM	74095
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/5/2023 2:41:42 AM	74095
Surr: DNOP	83.5	69-147		%Rec	1	4/5/2023 2:41:42 AM	74095
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/4/2023 7:15:00 PM	74067
Surr: BFB	84.8	37.7-212		%Rec	1	4/4/2023 7:15:00 PM	74067
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	4/4/2023 7:15:00 PM	74067
Toluene	ND	0.050		mg/Kg	1	4/4/2023 7:15:00 PM	74067
Ethylbenzene	ND	0.050		mg/Kg	1	4/4/2023 7:15:00 PM	74067
Xylenes, Total	ND	0.10		mg/Kg	1	4/4/2023 7:15:00 PM	74067
Surr: 4-Bromofluorobenzene	83.2	70-130		%Rec	1	4/4/2023 7:15:00 PM	74067

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

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

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-44

Project: Thomas 1 Pl

Collection Date: 3/29/2023 2:28:00 PM

Lab ID: 2303F11-054

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	1600	150		mg/Kg	50	4/4/2023 10:12:24 PM	74114
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	680	9.9		mg/Kg	1	4/5/2023 2:49:21 PM	74095
Motor Oil Range Organics (MRO)	340	50		mg/Kg	1	4/5/2023 2:49:21 PM	74095
Surr: DNOP	103	69-147		%Rec	1	4/5/2023 2:49:21 PM	74095
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/4/2023 7:37:00 PM	74067
Surr: BFB	85.8	37.7-212		%Rec	1	4/4/2023 7:37:00 PM	74067
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	4/4/2023 7:37:00 PM	74067
Toluene	ND	0.049		mg/Kg	1	4/4/2023 7:37:00 PM	74067
Ethylbenzene	ND	0.049		mg/Kg	1	4/4/2023 7:37:00 PM	74067
Xylenes, Total	ND	0.098		mg/Kg	1	4/4/2023 7:37:00 PM	74067
Surr: 4-Bromofluorobenzene	85.7	70-130		%Rec	1	4/4/2023 7:37:00 PM	74067

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

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

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-45

Project: Thomas 1 Pl

Collection Date: 3/29/2023 2:30:00 PM

Lab ID: 2303F11-055

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	2100	150		mg/Kg	50	4/4/2023 10:24:44 PM	74114
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	11	9.3		mg/Kg	1	4/5/2023 3:02:42 AM	74095
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	4/5/2023 3:02:42 AM	74095
Surr: DNOP	85.4	69-147		%Rec	1	4/5/2023 3:02:42 AM	74095
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/4/2023 7:58:00 PM	74067
Surr: BFB	93.8	37.7-212		%Rec	1	4/4/2023 7:58:00 PM	74067
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	4/4/2023 7:58:00 PM	74067
Toluene	ND	0.048		mg/Kg	1	4/4/2023 7:58:00 PM	74067
Ethylbenzene	ND	0.048		mg/Kg	1	4/4/2023 7:58:00 PM	74067
Xylenes, Total	ND	0.095		mg/Kg	1	4/4/2023 7:58:00 PM	74067
Surr: 4-Bromofluorobenzene	88.7	70-130		%Rec	1	4/4/2023 7:58:00 PM	74067

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

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

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-46

Project: Thomas 1 Pl

Collection Date: 3/29/2023 2:32:00 PM

Lab ID: 2303F11-056

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	1800	150		mg/Kg	50	4/4/2023 11:01:45 PM	74114
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	550	9.8		mg/Kg	1	4/5/2023 6:27:08 PM	74095
Motor Oil Range Organics (MRO)	280	49		mg/Kg	1	4/5/2023 6:27:08 PM	74095
Surr: DNOP	85.7	69-147		%Rec	1	4/5/2023 6:27:08 PM	74095
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/4/2023 8:20:00 PM	74067
Surr: BFB	90.9	37.7-212		%Rec	1	4/4/2023 8:20:00 PM	74067
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	4/4/2023 8:20:00 PM	74067
Toluene	ND	0.049		mg/Kg	1	4/4/2023 8:20:00 PM	74067
Ethylbenzene	ND	0.049		mg/Kg	1	4/4/2023 8:20:00 PM	74067
Xylenes, Total	ND	0.097		mg/Kg	1	4/4/2023 8:20:00 PM	74067
Surr: 4-Bromofluorobenzene	87.6	70-130		%Rec	1	4/4/2023 8:20:00 PM	74067

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

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

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-47

Project: Thomas 1 Pl

Collection Date: 3/29/2023 2:34:00 PM

Lab ID: 2303F11-057

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	2300	150		mg/Kg	50	4/4/2023 11:14:06 PM	74114
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	10	9.9		mg/Kg	1	4/5/2023 3:33:51 AM	74095
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/5/2023 3:33:51 AM	74095
Surr: DNOP	76.6	69-147		%Rec	1	4/5/2023 3:33:51 AM	74095
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/4/2023 8:41:00 PM	74067
Surr: BFB	88.0	37.7-212		%Rec	1	4/4/2023 8:41:00 PM	74067
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	4/4/2023 8:41:00 PM	74067
Toluene	ND	0.048		mg/Kg	1	4/4/2023 8:41:00 PM	74067
Ethylbenzene	ND	0.048		mg/Kg	1	4/4/2023 8:41:00 PM	74067
Xylenes, Total	ND	0.095		mg/Kg	1	4/4/2023 8:41:00 PM	74067
Surr: 4-Bromofluorobenzene	87.3	70-130		%Rec	1	4/4/2023 8:41:00 PM	74067

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

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

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-48

Project: Thomas 1 Pl

Collection Date: 3/29/2023 2:36:00 PM

Lab ID: 2303F11-058

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	2200	150		mg/Kg	50	4/4/2023 11:26:27 PM	74114
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	570	9.4		mg/Kg	1	4/5/2023 7:27:43 PM	74095
Motor Oil Range Organics (MRO)	250	47		mg/Kg	1	4/5/2023 7:27:43 PM	74095
Surr: DNOP	77.5	69-147		%Rec	1	4/5/2023 7:27:43 PM	74095
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/4/2023 9:03:00 PM	74067
Surr: BFB	87.5	37.7-212		%Rec	1	4/4/2023 9:03:00 PM	74067
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	4/4/2023 9:03:00 PM	74067
Toluene	ND	0.049		mg/Kg	1	4/4/2023 9:03:00 PM	74067
Ethylbenzene	ND	0.049		mg/Kg	1	4/4/2023 9:03:00 PM	74067
Xylenes, Total	ND	0.097		mg/Kg	1	4/4/2023 9:03:00 PM	74067
Surr: 4-Bromofluorobenzene	87.5	70-130		%Rec	1	4/4/2023 9:03:00 PM	74067

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

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

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-49

Project: Thomas 1 Pl

Collection Date: 3/29/2023 2:38:00 PM

Lab ID: 2303F11-059

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	1900	150		mg/Kg	50	4/4/2023 11:38:49 PM	74114
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	12	9.6		mg/Kg	1	4/5/2023 4:05:13 AM	74095
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/5/2023 4:05:13 AM	74095
Surr: DNOP	87.1	69-147		%Rec	1	4/5/2023 4:05:13 AM	74095
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/4/2023 9:25:00 PM	74067
Surr: BFB	88.3	37.7-212		%Rec	1	4/4/2023 9:25:00 PM	74067
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	4/4/2023 9:25:00 PM	74067
Toluene	ND	0.048		mg/Kg	1	4/4/2023 9:25:00 PM	74067
Ethylbenzene	ND	0.048		mg/Kg	1	4/4/2023 9:25:00 PM	74067
Xylenes, Total	ND	0.097		mg/Kg	1	4/4/2023 9:25:00 PM	74067
Surr: 4-Bromofluorobenzene	88.3	70-130		%Rec	1	4/4/2023 9:25:00 PM	74067

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

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

Analytical Report

Lab Order 2303F11

Date Reported: 4/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-50

Project: Thomas 1 Pl

Collection Date: 3/29/2023 2:40:00 PM

Lab ID: 2303F11-060

Matrix: SOIL

Received Date: 3/31/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	2100	150		mg/Kg	50	4/4/2023 11:51:09 PM	74114
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	430	9.8		mg/Kg	1	4/5/2023 5:26:27 PM	74095
Motor Oil Range Organics (MRO)	200	49		mg/Kg	1	4/5/2023 5:26:27 PM	74095
Surr: DNOP	72.9	69-147		%Rec	1	4/5/2023 5:26:27 PM	74095
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/4/2023 9:46:00 PM	74067
Surr: BFB	87.8	37.7-212		%Rec	1	4/4/2023 9:46:00 PM	74067
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	4/4/2023 9:46:00 PM	74067
Toluene	ND	0.049		mg/Kg	1	4/4/2023 9:46:00 PM	74067
Ethylbenzene	ND	0.049		mg/Kg	1	4/4/2023 9:46:00 PM	74067
Xylenes, Total	ND	0.098		mg/Kg	1	4/4/2023 9:46:00 PM	74067
Surr: 4-Bromofluorobenzene	86.3	70-130		%Rec	1	4/4/2023 9:46:00 PM	74067

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.	

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2303F11

12-Apr-23

Client: EOG
Project: Thomas 1 Pl

Sample ID: MB-74065	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 74065	RunNo: 95704								
Prep Date: 3/31/2023	Analysis Date: 3/31/2023	SeqNo: 3464415	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-74065	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 74065	RunNo: 95704								
Prep Date: 3/31/2023	Analysis Date: 3/31/2023	SeqNo: 3464416	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.8	90	110			

Sample ID: MB-74081	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 74081	RunNo: 95740								
Prep Date: 4/3/2023	Analysis Date: 4/3/2023	SeqNo: 3466259	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-74081	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 74081	RunNo: 95740								
Prep Date: 4/3/2023	Analysis Date: 4/3/2023	SeqNo: 3466260	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.5	90	110			

Sample ID: MB-74089	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 74089	RunNo: 95740								
Prep Date: 4/3/2023	Analysis Date: 4/3/2023	SeqNo: 3466291	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-74089	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 74089	RunNo: 95740								
Prep Date: 4/3/2023	Analysis Date: 4/3/2023	SeqNo: 3466292	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.0	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#: 2303F11

12-Apr-23

Client: EOG
Project: Thomas 1 Pl

Sample ID: MB-74109	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 74109	RunNo: 95776								
Prep Date: 4/4/2023	Analysis Date: 4/4/2023	SeqNo: 3467690	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-74109	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 74109	RunNo: 95776								
Prep Date: 4/4/2023	Analysis Date: 4/4/2023	SeqNo: 3467691	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.1	90	110			

Sample ID: MB-74114	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 74114	RunNo: 95776								
Prep Date: 4/4/2023	Analysis Date: 4/4/2023	SeqNo: 3467728	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-74114	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 74114	RunNo: 95776								
Prep Date: 4/4/2023	Analysis Date: 4/4/2023	SeqNo: 3467729	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.7	90	110			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2303F11

12-Apr-23

Client: EOG
Project: Thomas 1 Pl

Sample ID: MB-74063	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 74063	RunNo: 95759								
Prep Date: 3/31/2023	Analysis Date: 4/4/2023	SeqNo: 3466004			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		110	69	147			

Sample ID: MB-74066	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 74066	RunNo: 95759								
Prep Date: 3/31/2023	Analysis Date: 4/4/2023	SeqNo: 3466005			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	14		10.00		141	69	147			

Sample ID: LCS-74063	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 74063	RunNo: 95759								
Prep Date: 3/31/2023	Analysis Date: 4/4/2023	SeqNo: 3466006			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	88.8	61.9	130			
Surr: DNOP	5.7		5.000		113	69	147			

Sample ID: LCS-74066	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 74066	RunNo: 95759								
Prep Date: 3/31/2023	Analysis Date: 4/4/2023	SeqNo: 3466007			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	91.4	61.9	130			
Surr: DNOP	5.1		5.000		103	69	147			

Sample ID: MB-74095	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 74095	RunNo: 95759								
Prep Date: 4/3/2023	Analysis Date: 4/4/2023	SeqNo: 3467997			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		101	69	147			

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#: 2303F11

12-Apr-23

Client: EOG
Project: Thomas 1 Pl

Sample ID: LCS-74095	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 74095		RunNo: 95759							
Prep Date: 4/3/2023	Analysis Date: 4/4/2023		SeqNo: 3467999		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	87.7	61.9	130			
Surr: DNOP	5.2		5.000		104	69	147			

Sample ID: LCS-74176	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 74176		RunNo: 95870							
Prep Date: 4/6/2023	Analysis Date: 4/7/2023		SeqNo: 3471354		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.7		5.000		113	69	147			

Sample ID: MB-74176	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 74176		RunNo: 95870							
Prep Date: 4/6/2023	Analysis Date: 4/7/2023		SeqNo: 3471361		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.3		10.00		92.6	69	147			

Sample ID: MB-74191	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 74191		RunNo: 95897							
Prep Date: 4/7/2023	Analysis Date: 4/7/2023		SeqNo: 3472223		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	18	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.1		10.00		80.9	69	147			

Sample ID: LCS-74191	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 74191		RunNo: 95897							
Prep Date: 4/7/2023	Analysis Date: 4/7/2023		SeqNo: 3472224		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	99.7	61.9	130			B
Surr: DNOP	4.4		5.000		87.9	69	147			

Sample ID: MB-74240	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 74240		RunNo: 95922							
Prep Date: 4/10/2023	Analysis Date: 4/11/2023		SeqNo: 3473750		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.1		10.00		81.4	69	147			

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#: 2303F11

12-Apr-23

Client: EOG
Project: Thomas 1 Pl

Sample ID: LCS-74240	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 74240	RunNo: 95922								
Prep Date: 4/10/2023	Analysis Date: 4/11/2023	SeqNo: 3473751	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.3		5.000		85.7	69	147			

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#: 2303F11

12-Apr-23

Client: EOG
Project: Thomas 1 Pl

Sample ID: ics-74060	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 74060		RunNo: 95741							
Prep Date: 3/31/2023	Analysis Date: 4/3/2023		SeqNo: 3465379				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	96.4	70	130			
Surr: BFB	2000		1000		201	37.7	212			

Sample ID: mb-74060	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 74060		RunNo: 95741							
Prep Date: 3/31/2023	Analysis Date: 4/3/2023		SeqNo: 3465380				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		105	37.7	212			

Sample ID: ics-74062	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 74062		RunNo: 95736							
Prep Date: 3/31/2023	Analysis Date: 4/3/2023		SeqNo: 3466188				Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	25.00	0	83.9	70	130			
Surr: BFB	2000		1000		196	37.7	212			

Sample ID: mb-74062	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 74062		RunNo: 95736							
Prep Date: 3/31/2023	Analysis Date: 4/3/2023		SeqNo: 3466189				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	850		1000		84.7	37.7	212			

Sample ID: ics-74067	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 74067		RunNo: 95791							
Prep Date: 3/31/2023	Analysis Date: 4/4/2023		SeqNo: 3467256				Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	86.7	70	130			
Surr: BFB	2000		1000		205	37.7	212			

Sample ID: mb-74067	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 74067		RunNo: 95791							
Prep Date: 3/31/2023	Analysis Date: 4/4/2023		SeqNo: 3467257				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#: 2303F11

12-Apr-23

Client: EOG
Project: Thomas 1 Pl

Sample ID: mb-74067	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 74067		RunNo: 95791							
Prep Date: 3/31/2023	Analysis Date: 4/4/2023		SeqNo: 3467257		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	890		1000		88.8	37.7	212			

Sample ID: ics-74070	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 74070		RunNo: 95767							
Prep Date: 3/31/2023	Analysis Date: 4/4/2023		SeqNo: 3467365		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1900		1000		193	37.7	212			

Sample ID: mb-74070	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 74070		RunNo: 95767							
Prep Date: 3/31/2023	Analysis Date: 4/4/2023		SeqNo: 3467366		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1000		1000		102	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#: 2303F11

12-Apr-23

Client: EOG
Project: Thomas 1 Pl

Sample ID: LCS-74060	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 74060		RunNo: 95741							
Prep Date: 3/31/2023	Analysis Date: 4/3/2023		SeqNo: 3465387		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.025	1.000	0	87.5	80	120			
Toluene	0.87	0.050	1.000	0	87.0	80	120			
Ethylbenzene	0.86	0.050	1.000	0	86.2	80	120			
Xylenes, Total	2.6	0.10	3.000	0	86.3	80	120			
Surr: 4-Bromofluorobenzene	0.89		1.000		88.8	70	130			

Sample ID: mb-74060	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 74060		RunNo: 95741							
Prep Date: 3/31/2023	Analysis Date: 4/3/2023		SeqNo: 3465388		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	0.87		1.000		86.9	70	130			

Sample ID: ics-74062	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 74062		RunNo: 95736							
Prep Date: 3/31/2023	Analysis Date: 4/3/2023		SeqNo: 3466207		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.025	1.000	0	87.6	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	2.5	0.10	3.000	0	85.0	80	120			
Surr: 4-Bromofluorobenzene	0.87		1.000		87.0	70	130			

Sample ID: mb-74062	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 74062		RunNo: 95736							
Prep Date: 3/31/2023	Analysis Date: 4/3/2023		SeqNo: 3466209		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	0.85		1.000		85.5	70	130			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2303F11

12-Apr-23

Client: EOG
Project: Thomas 1 Pl

Sample ID: ics-74067	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 74067	RunNo: 95791								
Prep Date: 3/31/2023	Analysis Date: 4/4/2023	SeqNo: 3467316			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	1.000	0	89.8	80	120			
Toluene	0.90	0.050	1.000	0	89.6	80	120			
Ethylbenzene	0.88	0.050	1.000	0	88.2	80	120			
Xylenes, Total	2.6	0.10	3.000	0	87.4	80	120			
Surr: 4-Bromofluorobenzene	0.90		1.000		90.0	70	130			

Sample ID: mb-74067	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 74067	RunNo: 95791								
Prep Date: 3/31/2023	Analysis Date: 4/4/2023	SeqNo: 3467317			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		88.2	70	130			

Sample ID: LCS-74070	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 74070	RunNo: 95767								
Prep Date: 3/31/2023	Analysis Date: 4/4/2023	SeqNo: 3467390			Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.90		1.000		90.1	70	130			

Sample ID: mb-74070	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 74070	RunNo: 95767								
Prep Date: 3/31/2023	Analysis Date: 4/4/2023	SeqNo: 3467391			Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.88		1.000		87.8	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: 2303F11 RcptNo: 1

Received By: Juan Rojas 3/31/2023 7:30:00 AM
Completed By: Tracy Casarrubias 3/31/2023 8:00:00 AM
Reviewed By: [Signature] 3.31.23

Chain of Custody

- 1. Is Chain of Custody complete? Yes [] No [x] Not Present []
2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes [x] No [] NA []
4. Were all samples received at a temperature of >0° C to 6.0°C Yes [x] No [] NA []
5. Sample(s) in proper container(s)? Yes [x] No []
6. Sufficient sample volume for indicated test(s)? Yes [x] No []
7. Are samples (except VOA and ONG) properly preserved? Yes [x] No []
8. Was preservative added to bottles? Yes [] No [x] NA []
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [] No [] NA [x]
10. Were any sample containers received broken? Yes [] No [x]
11. Does paperwork match bottle labels? Yes [x] No []
12. Are matrices correctly identified on Chain of Custody? Yes [x] No []
13. Is it clear what analyses were requested? Yes [x] No []
14. Were all holding times able to be met? Yes [x] No []

of preserved bottles checked for pH:
(<2 or >12 unless noted)
Adjusted?
Checked by: [Signature] 3/31/23

Special Handling (if applicable)

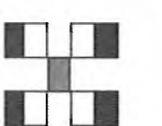
- 15. Was client notified of all discrepancies with this order? Yes [] No [] NA [x]

Person Notified:
By Whom:
Regarding:
Client Instructions:
Date:
Via: [] eMail [] Phone [] Fax [] In Person

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Contains 3 rows of data.



Standard Rush EOG 5 DAY FAT
 Project Name: THOMAS #1 PL
 Project #: 5375

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

Project Manager: W. Kierdorf
 Sampler: J. Martinez
 On Ice: Yes No
 # of Coolers: 3
 Cooler Temp (including CF): See Remarks

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

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
3-29-23	1220	Soil	TH3A-B1	1K402 JAV	ICE	2303F11
	1222		TH3A-B2			001
	1224		TH3A-B3			002
	1226		TH3A-B4			003
	1228		TH3A-B5			004
	1240		TH3A-W1			005
	1242		TH3A-W2			006
	1244		TH3A-W3			007
	1246		TH3A-W4			008
	1248		TH3A-W5			009
	1300		B-1			010
	1302		B-2			011
						012

Analysis Request
 BTEX (8021) X
 TPH:8015D(GRO / DRO / MRO) X
 Chloride (EPA 300) X
 Received by: [Signature] Date: 3/30/23 Time: 10:05
 Relinquished by: [Signature] Date: 3/30/23 Time: 10:05
 Received by: [Signature] Date: 3/31/23 Time: 7:30
 Relinquished by: [Signature] Date: 3/31/23 Time: 7:30
 Remarks: Bill to EOG Artesia
 1.9-0 = 1.9
 5.8-0.25.8
 4.9-0 = 4.9

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

Standard Rush EOG 5 DAY TAT

Project Name:

THOMAS #1 PL

Project #: 5375

Project Manager: W. Kierdorf

Sampler: A. Martinez

On Ice: Yes No

of Coolers: 3

Cooler Temp (including CF): see Remarks

Container Type and #

Preservative Type

HEAL No.

2303F11

1x 402 Sor

ICE

013

014

015

016

017

018

019

020

021

022

023

024

Received by: William

Via: air

Date: 3/13/23

Time: 1025

Received by: William

Via: air

Date: 3/13/23

Time: 9:30

Relinquished by: J. M. ...

Relinquished by: J. M. ...

Date: 3/13/23

Time: 1025

Date: 3/13/23

Time: 1025

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Sample No.	Matrix	Sample Name	Date	Time	Relinquished by	Relinquished by	Date	Time	Received by	Via	Date	Time
1304	soil	B-3	3-29-23	1304	J. M. ...	J. M. ...	3/13/23	1025	William	air	3/13/23	1025
1306		B-4										
1308		B-5										
1310		B-6										
1312		B-7										
1314		B-8										
1316		B-9										
1318		B-10										
1320		B-11										
1322		B-12										
1324		B-13										
1326		B-14										

BTEX (8021) X

TPH:8015D(GRO / DRO / MRO) X X X

Chloride (EPA 300) X

Remarks: Bill to EOG Artesia

1.9-0=1.7
5.8-0=5.8
4.9-0=4.9



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

April 13, 2023

Will Kierdorf

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX

RE: Thomas 1 PL

OrderNo.: 2303F74

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 35 sample(s) on 4/1/2023 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 **2303F74**

Date Reported: **4/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-51

Project: Thomas 1 PL

Collection Date: 3/30/2023 11:30:00 AM

Lab ID: 2303F74-001

Matrix: SOIL

Received Date: 4/1/2023 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	2400	150		mg/Kg	50	4/10/2023 11:52:28 AM	74188
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	98	10		mg/Kg	1	4/7/2023 9:51:00 PM	74174
Motor Oil Range Organics (MRO)	ND	51		mg/Kg	1	4/7/2023 9:51:00 PM	74174
Surr: DNOP	85.7	69-147		%Rec	1	4/7/2023 9:51:00 PM	74174
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/7/2023 7:02:00 PM	74141
Surr: BFB	85.3	37.7-212		%Rec	1	4/7/2023 7:02:00 PM	74141
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	4/7/2023 7:02:00 PM	74141
Toluene	ND	0.050		mg/Kg	1	4/7/2023 7:02:00 PM	74141
Ethylbenzene	ND	0.050		mg/Kg	1	4/7/2023 7:02:00 PM	74141
Xylenes, Total	ND	0.099		mg/Kg	1	4/7/2023 7:02:00 PM	74141
Surr: 4-Bromofluorobenzene	86.0	70-130		%Rec	1	4/7/2023 7:02:00 PM	74141

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

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

Analytical Report

Lab Order **2303F74**

Date Reported: **4/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-52

Project: Thomas 1 PL

Collection Date: 3/30/2023 11:32:00 AM

Lab ID: 2303F74-002

Matrix: SOIL

Received Date: 4/1/2023 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	1900	60		mg/Kg	20	4/7/2023 1:58:00 PM	74188
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	15	9.8		mg/Kg	1	4/10/2023 12:55:43 PM	74174
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/10/2023 12:55:43 PM	74174
Surr: DNOP	84.0	69-147		%Rec	1	4/10/2023 12:55:43 PM	74174
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/7/2023 7:24:00 PM	74141
Surr: BFB	88.1	37.7-212		%Rec	1	4/7/2023 7:24:00 PM	74141
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.023		mg/Kg	1	4/7/2023 7:24:00 PM	74141
Toluene	ND	0.047		mg/Kg	1	4/7/2023 7:24:00 PM	74141
Ethylbenzene	ND	0.047		mg/Kg	1	4/7/2023 7:24:00 PM	74141
Xylenes, Total	ND	0.093		mg/Kg	1	4/7/2023 7:24:00 PM	74141
Surr: 4-Bromofluorobenzene	86.9	70-130		%Rec	1	4/7/2023 7:24:00 PM	74141

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

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

Analytical Report

Lab Order **2303F74**

Date Reported: **4/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-53

Project: Thomas 1 PL

Collection Date: 3/30/2023 11:34:00 AM

Lab ID: 2303F74-003

Matrix: SOIL

Received Date: 4/1/2023 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	2400	150		mg/Kg	50	4/10/2023 12:29:42 PM	74201
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	52	9.9		mg/Kg	1	4/7/2023 10:01:34 PM	74174
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/7/2023 10:01:34 PM	74174
Surr: DNOP	88.0	69-147		%Rec	1	4/7/2023 10:01:34 PM	74174
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/7/2023 7:45:00 PM	74141
Surr: BFB	87.1	37.7-212		%Rec	1	4/7/2023 7:45:00 PM	74141
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	4/7/2023 7:45:00 PM	74141
Toluene	ND	0.048		mg/Kg	1	4/7/2023 7:45:00 PM	74141
Ethylbenzene	ND	0.048		mg/Kg	1	4/7/2023 7:45:00 PM	74141
Xylenes, Total	ND	0.095		mg/Kg	1	4/7/2023 7:45:00 PM	74141
Surr: 4-Bromofluorobenzene	85.9	70-130		%Rec	1	4/7/2023 7:45:00 PM	74141

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

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

Analytical Report

Lab Order **2303F74**

Date Reported: **4/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-54

Project: Thomas 1 PL

Collection Date: 3/30/2023 11:36:00 AM

Lab ID: 2303F74-004

Matrix: SOIL

Received Date: 4/1/2023 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	1200	60		mg/Kg	20	4/7/2023 3:12:27 PM	74201
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	4/7/2023 10:12:07 PM	74174
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/7/2023 10:12:07 PM	74174
Surr: DNOP	92.5	69-147		%Rec	1	4/7/2023 10:12:07 PM	74174
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/7/2023 8:07:00 PM	74141
Surr: BFB	89.4	37.7-212		%Rec	1	4/7/2023 8:07:00 PM	74141
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	4/7/2023 8:07:00 PM	74141
Toluene	ND	0.048		mg/Kg	1	4/7/2023 8:07:00 PM	74141
Ethylbenzene	ND	0.048		mg/Kg	1	4/7/2023 8:07:00 PM	74141
Xylenes, Total	ND	0.096		mg/Kg	1	4/7/2023 8:07:00 PM	74141
Surr: 4-Bromofluorobenzene	85.7	70-130		%Rec	1	4/7/2023 8:07:00 PM	74141

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

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

Analytical Report

Lab Order **2303F74**

Date Reported: **4/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-55

Project: Thomas 1 PL

Collection Date: 3/30/2023 11:38:00 AM

Lab ID: 2303F74-005

Matrix: SOIL

Received Date: 4/1/2023 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	2100	150		mg/Kg	50	4/10/2023 12:42:07 PM	74201
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	270	9.9		mg/Kg	1	4/7/2023 10:33:16 PM	74174
Motor Oil Range Organics (MRO)	130	50		mg/Kg	1	4/7/2023 10:33:16 PM	74174
Surr: DNOP	80.8	69-147		%Rec	1	4/7/2023 10:33:16 PM	74174
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/7/2023 8:28:00 PM	74141
Surr: BFB	84.9	37.7-212		%Rec	1	4/7/2023 8:28:00 PM	74141
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	4/7/2023 8:28:00 PM	74141
Toluene	ND	0.050		mg/Kg	1	4/7/2023 8:28:00 PM	74141
Ethylbenzene	ND	0.050		mg/Kg	1	4/7/2023 8:28:00 PM	74141
Xylenes, Total	ND	0.099		mg/Kg	1	4/7/2023 8:28:00 PM	74141
Surr: 4-Bromofluorobenzene	85.0	70-130		%Rec	1	4/7/2023 8:28:00 PM	74141

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

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

Analytical Report

Lab Order **2303F74**

Date Reported: **4/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-56

Project: Thomas 1 PL

Collection Date: 3/30/2023 11:40:00 AM

Lab ID: 2303F74-006

Matrix: SOIL

Received Date: 4/1/2023 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	2200	150		mg/Kg	50	4/10/2023 12:54:31 PM	74201
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	13	9.9		mg/Kg	1	4/8/2023 7:58:38 AM	74171
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/8/2023 7:58:38 AM	74171
Surr: DNOP	79.2	69-147		%Rec	1	4/8/2023 7:58:38 AM	74171
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/7/2023 1:42:41 PM	74149
Surr: BFB	97.5	37.7-212		%Rec	1	4/7/2023 1:42:41 PM	74149
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	4/7/2023 1:42:41 PM	74149
Toluene	ND	0.048		mg/Kg	1	4/7/2023 1:42:41 PM	74149
Ethylbenzene	ND	0.048		mg/Kg	1	4/7/2023 1:42:41 PM	74149
Xylenes, Total	ND	0.096		mg/Kg	1	4/7/2023 1:42:41 PM	74149
Surr: 4-Bromofluorobenzene	84.7	70-130		%Rec	1	4/7/2023 1:42:41 PM	74149

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

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

Analytical Report

Lab Order **2303F74**

Date Reported: **4/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-57

Project: Thomas 1 PL

Collection Date: 3/30/2023 11:42:00 AM

Lab ID: 2303F74-007

Matrix: SOIL

Received Date: 4/1/2023 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	2100	150		mg/Kg	50	4/10/2023 1:06:55 PM	74201
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	43	9.0		mg/Kg	1	4/8/2023 9:11:21 AM	74171
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	4/8/2023 9:11:21 AM	74171
Surr: DNOP	76.4	69-147		%Rec	1	4/8/2023 9:11:21 AM	74171
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/7/2023 2:06:01 PM	74149
Surr: BFB	98.5	37.7-212		%Rec	1	4/7/2023 2:06:01 PM	74149
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	4/7/2023 2:06:01 PM	74149
Toluene	ND	0.049		mg/Kg	1	4/7/2023 2:06:01 PM	74149
Ethylbenzene	ND	0.049		mg/Kg	1	4/7/2023 2:06:01 PM	74149
Xylenes, Total	ND	0.099		mg/Kg	1	4/7/2023 2:06:01 PM	74149
Surr: 4-Bromofluorobenzene	84.4	70-130		%Rec	1	4/7/2023 2:06:01 PM	74149

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

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

Analytical Report

Lab Order **2303F74**

Date Reported: **4/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-58

Project: Thomas 1 PL

Collection Date: 3/30/2023 11:44:00 AM

Lab ID: 2303F74-008

Matrix: SOIL

Received Date: 4/1/2023 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	1100	60		mg/Kg	20	4/7/2023 4:02:05 PM	74201
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	10	9.2		mg/Kg	1	4/8/2023 9:21:53 AM	74171
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	4/8/2023 9:21:53 AM	74171
Surr: DNOP	80.3	69-147		%Rec	1	4/8/2023 9:21:53 AM	74171
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/7/2023 2:29:27 PM	74149
Surr: BFB	100	37.7-212		%Rec	1	4/7/2023 2:29:27 PM	74149
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	4/7/2023 2:29:27 PM	74149
Toluene	ND	0.049		mg/Kg	1	4/7/2023 2:29:27 PM	74149
Ethylbenzene	ND	0.049		mg/Kg	1	4/7/2023 2:29:27 PM	74149
Xylenes, Total	ND	0.098		mg/Kg	1	4/7/2023 2:29:27 PM	74149
Surr: 4-Bromofluorobenzene	87.2	70-130		%Rec	1	4/7/2023 2:29:27 PM	74149

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

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

Analytical Report

Lab Order **2303F74**

Date Reported: **4/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-59

Project: Thomas 1 PL

Collection Date: 3/30/2023 11:46:00 AM

Lab ID: 2303F74-009

Matrix: SOIL

Received Date: 4/1/2023 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	2100	150		mg/Kg	50	4/10/2023 1:19:20 PM	74201
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	220	8.8		mg/Kg	1	4/8/2023 9:43:16 AM	74171
Motor Oil Range Organics (MRO)	120	44		mg/Kg	1	4/8/2023 9:43:16 AM	74171
Surr: DNOP	74.9	69-147		%Rec	1	4/8/2023 9:43:16 AM	74171
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/7/2023 2:52:51 PM	74149
Surr: BFB	97.8	37.7-212		%Rec	1	4/7/2023 2:52:51 PM	74149
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.023		mg/Kg	1	4/7/2023 2:52:51 PM	74149
Toluene	ND	0.047		mg/Kg	1	4/7/2023 2:52:51 PM	74149
Ethylbenzene	ND	0.047		mg/Kg	1	4/7/2023 2:52:51 PM	74149
Xylenes, Total	ND	0.094		mg/Kg	1	4/7/2023 2:52:51 PM	74149
Surr: 4-Bromofluorobenzene	84.3	70-130		%Rec	1	4/7/2023 2:52:51 PM	74149

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

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

Analytical Report

Lab Order **2303F74**

Date Reported: **4/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-60

Project: Thomas 1 PL

Collection Date: 3/30/2023 11:48:00 AM

Lab ID: 2303F74-010

Matrix: SOIL

Received Date: 4/1/2023 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1100	150		mg/Kg	50	4/10/2023 8:08:51 PM	74201
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	4/8/2023 10:04:24 AM	74171
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/8/2023 10:04:24 AM	74171
Surr: DNOP	79.3	69-147		%Rec	1	4/8/2023 10:04:24 AM	74171
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/7/2023 3:16:20 PM	74149
Surr: BFB	97.6	37.7-212		%Rec	1	4/7/2023 3:16:20 PM	74149
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	4/7/2023 3:16:20 PM	74149
Toluene	ND	0.048		mg/Kg	1	4/7/2023 3:16:20 PM	74149
Ethylbenzene	ND	0.048		mg/Kg	1	4/7/2023 3:16:20 PM	74149
Xylenes, Total	ND	0.097		mg/Kg	1	4/7/2023 3:16:20 PM	74149
Surr: 4-Bromofluorobenzene	85.1	70-130		%Rec	1	4/7/2023 3:16:20 PM	74149

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

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

Analytical Report

Lab Order **2303F74**

Date Reported: **4/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-61

Project: Thomas 1 PL

Collection Date: 3/30/2023 11:50:00 AM

Lab ID: 2303F74-011

Matrix: SOIL

Received Date: 4/1/2023 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	2200	150		mg/Kg	50	4/10/2023 1:31:45 PM	74201
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	310	9.2		mg/Kg	1	4/8/2023 10:36:00 AM	74171
Motor Oil Range Organics (MRO)	170	46		mg/Kg	1	4/8/2023 10:36:00 AM	74171
Surr: DNOP	83.8	69-147		%Rec	1	4/8/2023 10:36:00 AM	74171
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/7/2023 3:39:44 PM	74149
Surr: BFB	97.6	37.7-212		%Rec	1	4/7/2023 3:39:44 PM	74149
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	4/7/2023 3:39:44 PM	74149
Toluene	ND	0.049		mg/Kg	1	4/7/2023 3:39:44 PM	74149
Ethylbenzene	ND	0.049		mg/Kg	1	4/7/2023 3:39:44 PM	74149
Xylenes, Total	ND	0.097		mg/Kg	1	4/7/2023 3:39:44 PM	74149
Surr: 4-Bromofluorobenzene	84.6	70-130		%Rec	1	4/7/2023 3:39:44 PM	74149

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

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

Analytical Report

Lab Order **2303F74**

Date Reported: **4/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-62

Project: Thomas 1 PL

Collection Date: 3/30/2023 11:52:00 AM

Lab ID: 2303F74-012

Matrix: SOIL

Received Date: 4/1/2023 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	2100	150		mg/Kg	50	4/10/2023 11:34:40 AM	74201
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	4/8/2023 10:57:15 AM	74171
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	4/8/2023 10:57:15 AM	74171
Surr: DNOP	76.5	69-147		%Rec	1	4/8/2023 10:57:15 AM	74171
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/7/2023 4:03:21 PM	74149
Surr: BFB	95.4	37.7-212		%Rec	1	4/7/2023 4:03:21 PM	74149
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.023		mg/Kg	1	4/7/2023 4:03:21 PM	74149
Toluene	ND	0.047		mg/Kg	1	4/7/2023 4:03:21 PM	74149
Ethylbenzene	ND	0.047		mg/Kg	1	4/7/2023 4:03:21 PM	74149
Xylenes, Total	ND	0.094		mg/Kg	1	4/7/2023 4:03:21 PM	74149
Surr: 4-Bromofluorobenzene	82.0	70-130		%Rec	1	4/7/2023 4:03:21 PM	74149

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

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

Analytical Report

Lab Order **2303F74**

Date Reported: **4/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-63

Project: Thomas 1 PL

Collection Date: 3/30/2023 11:54:00 AM

Lab ID: 2303F74-013

Matrix: SOIL

Received Date: 4/1/2023 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	2300	60		mg/Kg	20	4/7/2023 5:53:47 PM	74201
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	10	9.9		mg/Kg	1	4/8/2023 11:29:01 AM	74171
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/8/2023 11:29:01 AM	74171
Surr: DNOP	71.8	69-147		%Rec	1	4/8/2023 11:29:01 AM	74171
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/7/2023 4:26:43 PM	74149
Surr: BFB	96.6	37.7-212		%Rec	1	4/7/2023 4:26:43 PM	74149
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	4/7/2023 4:26:43 PM	74149
Toluene	ND	0.048		mg/Kg	1	4/7/2023 4:26:43 PM	74149
Ethylbenzene	ND	0.048		mg/Kg	1	4/7/2023 4:26:43 PM	74149
Xylenes, Total	ND	0.096		mg/Kg	1	4/7/2023 4:26:43 PM	74149
Surr: 4-Bromofluorobenzene	83.4	70-130		%Rec	1	4/7/2023 4:26:43 PM	74149

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

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

Analytical Report

Lab Order **2303F74**

Date Reported: **4/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-64

Project: Thomas 1 PL

Collection Date: 3/30/2023 11:56:00 AM

Lab ID: 2303F74-014

Matrix: SOIL

Received Date: 4/1/2023 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	1200	60		mg/Kg	20	4/7/2023 6:06:12 PM	74201
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	4/8/2023 12:00:50 PM	74171
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	4/8/2023 12:00:50 PM	74171
Surr: DNOP	89.0	69-147		%Rec	1	4/8/2023 12:00:50 PM	74171
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/7/2023 4:50:08 PM	74149
Surr: BFB	99.5	37.7-212		%Rec	1	4/7/2023 4:50:08 PM	74149
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	4/7/2023 4:50:08 PM	74149
Toluene	ND	0.047		mg/Kg	1	4/7/2023 4:50:08 PM	74149
Ethylbenzene	ND	0.047		mg/Kg	1	4/7/2023 4:50:08 PM	74149
Xylenes, Total	ND	0.094		mg/Kg	1	4/7/2023 4:50:08 PM	74149
Surr: 4-Bromofluorobenzene	85.4	70-130		%Rec	1	4/7/2023 4:50:08 PM	74149

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

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

Analytical Report

Lab Order **2303F74**

Date Reported: **4/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-65

Project: Thomas 1 PL

Collection Date: 3/30/2023 11:58:00 AM

Lab ID: 2303F74-015

Matrix: SOIL

Received Date: 4/1/2023 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	2300	150		mg/Kg	50	4/10/2023 11:47:05 AM	74201
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	250	9.5		mg/Kg	1	4/8/2023 12:22:09 PM	74171
Motor Oil Range Organics (MRO)	130	47		mg/Kg	1	4/8/2023 12:22:09 PM	74171
Surr: DNOP	101	69-147		%Rec	1	4/8/2023 12:22:09 PM	74171
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/7/2023 6:00:08 PM	74149
Surr: BFB	97.0	37.7-212		%Rec	1	4/7/2023 6:00:08 PM	74149
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	4/7/2023 6:00:08 PM	74149
Toluene	ND	0.048		mg/Kg	1	4/7/2023 6:00:08 PM	74149
Ethylbenzene	ND	0.048		mg/Kg	1	4/7/2023 6:00:08 PM	74149
Xylenes, Total	ND	0.097		mg/Kg	1	4/7/2023 6:00:08 PM	74149
Surr: 4-Bromofluorobenzene	84.6	70-130		%Rec	1	4/7/2023 6:00:08 PM	74149

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

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

Analytical Report

Lab Order **2303F74**

Date Reported: **4/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-66

Project: Thomas 1 PL

Collection Date: 3/30/2023 1:00:00 PM

Lab ID: 2303F74-016

Matrix: SOIL

Received Date: 4/1/2023 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	2300	300		mg/Kg	100	4/11/2023 10:21:10 AM	74201
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	17	9.1		mg/Kg	1	4/8/2023 12:43:25 PM	74171
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	4/8/2023 12:43:25 PM	74171
Surr: DNOP	82.1	69-147		%Rec	1	4/8/2023 12:43:25 PM	74171
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/7/2023 6:23:31 PM	74149
Surr: BFB	96.8	37.7-212		%Rec	1	4/7/2023 6:23:31 PM	74149
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	4/7/2023 6:23:31 PM	74149
Toluene	ND	0.049		mg/Kg	1	4/7/2023 6:23:31 PM	74149
Ethylbenzene	ND	0.049		mg/Kg	1	4/7/2023 6:23:31 PM	74149
Xylenes, Total	ND	0.098		mg/Kg	1	4/7/2023 6:23:31 PM	74149
Surr: 4-Bromofluorobenzene	84.3	70-130		%Rec	1	4/7/2023 6:23:31 PM	74149

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

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

Analytical Report

Lab Order **2303F74**

Date Reported: **4/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-67

Project: Thomas 1 PL

Collection Date: 3/30/2023 1:02:00 PM

Lab ID: 2303F74-017

Matrix: SOIL

Received Date: 4/1/2023 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	2100	150		mg/Kg	50	4/10/2023 12:11:54 PM	74201
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	430	8.9		mg/Kg	1	4/8/2023 1:15:16 PM	74171
Motor Oil Range Organics (MRO)	220	44		mg/Kg	1	4/8/2023 1:15:16 PM	74171
Surr: DNOP	108	69-147		%Rec	1	4/8/2023 1:15:16 PM	74171
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/7/2023 6:46:47 PM	74149
Surr: BFB	92.4	37.7-212		%Rec	1	4/7/2023 6:46:47 PM	74149
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	4/7/2023 6:46:47 PM	74149
Toluene	ND	0.049		mg/Kg	1	4/7/2023 6:46:47 PM	74149
Ethylbenzene	ND	0.049		mg/Kg	1	4/7/2023 6:46:47 PM	74149
Xylenes, Total	ND	0.099		mg/Kg	1	4/7/2023 6:46:47 PM	74149
Surr: 4-Bromofluorobenzene	79.1	70-130		%Rec	1	4/7/2023 6:46:47 PM	74149

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

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

Analytical Report

Lab Order **2303F74**

Date Reported: **4/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-68

Project: Thomas 1 PL

Collection Date: 3/30/2023 1:04:00 PM

Lab ID: 2303F74-018

Matrix: SOIL

Received Date: 4/1/2023 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	2100	150		mg/Kg	50	4/10/2023 12:24:19 PM	74201
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	18	9.1		mg/Kg	1	4/8/2023 1:36:36 PM	74171
Motor Oil Range Organics (MRO)	56	46		mg/Kg	1	4/8/2023 1:36:36 PM	74171
Surr: DNOP	77.7	69-147		%Rec	1	4/8/2023 1:36:36 PM	74171
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/7/2023 7:10:20 PM	74149
Surr: BFB	95.7	37.7-212		%Rec	1	4/7/2023 7:10:20 PM	74149
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	4/7/2023 7:10:20 PM	74149
Toluene	ND	0.050		mg/Kg	1	4/7/2023 7:10:20 PM	74149
Ethylbenzene	ND	0.050		mg/Kg	1	4/7/2023 7:10:20 PM	74149
Xylenes, Total	ND	0.10		mg/Kg	1	4/7/2023 7:10:20 PM	74149
Surr: 4-Bromofluorobenzene	82.8	70-130		%Rec	1	4/7/2023 7:10:20 PM	74149

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

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

Analytical Report

Lab Order **2303F74**

Date Reported: **4/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-69

Project: Thomas 1 PL

Collection Date: 3/30/2023 1:06:00 PM

Lab ID: 2303F74-019

Matrix: SOIL

Received Date: 4/1/2023 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	1200	60		mg/Kg	20	4/7/2023 7:33:04 PM	74201
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	13	9.2		mg/Kg	1	4/8/2023 2:08:37 PM	74171
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	4/8/2023 2:08:37 PM	74171
Surr: DNOP	84.1	69-147		%Rec	1	4/8/2023 2:08:37 PM	74171
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/7/2023 7:33:50 PM	74149
Surr: BFB	96.9	37.7-212		%Rec	1	4/7/2023 7:33:50 PM	74149
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	4/7/2023 7:33:50 PM	74149
Toluene	ND	0.050		mg/Kg	1	4/7/2023 7:33:50 PM	74149
Ethylbenzene	ND	0.050		mg/Kg	1	4/7/2023 7:33:50 PM	74149
Xylenes, Total	ND	0.099		mg/Kg	1	4/7/2023 7:33:50 PM	74149
Surr: 4-Bromofluorobenzene	83.5	70-130		%Rec	1	4/7/2023 7:33:50 PM	74149

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

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

Analytical Report

Lab Order **2303F74**

Date Reported: **4/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-70

Project: Thomas 1 PL

Collection Date: 3/30/2023 1:08:00 PM

Lab ID: 2303F74-020

Matrix: SOIL

Received Date: 4/1/2023 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	2100	150		mg/Kg	50	4/10/2023 12:36:44 PM	74201
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	250	8.7		mg/Kg	1	4/8/2023 2:29:59 PM	74171
Motor Oil Range Organics (MRO)	120	44		mg/Kg	1	4/8/2023 2:29:59 PM	74171
Surr: DNOP	82.2	69-147		%Rec	1	4/8/2023 2:29:59 PM	74171
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/7/2023 7:57:25 PM	74149
Surr: BFB	95.1	37.7-212		%Rec	1	4/7/2023 7:57:25 PM	74149
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	4/7/2023 7:57:25 PM	74149
Toluene	ND	0.047		mg/Kg	1	4/7/2023 7:57:25 PM	74149
Ethylbenzene	ND	0.047		mg/Kg	1	4/7/2023 7:57:25 PM	74149
Xylenes, Total	ND	0.094		mg/Kg	1	4/7/2023 7:57:25 PM	74149
Surr: 4-Bromofluorobenzene	82.4	70-130		%Rec	1	4/7/2023 7:57:25 PM	74149

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

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

Analytical Report

Lab Order **2303F74**

Date Reported: **4/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-71

Project: Thomas 1 PL

Collection Date: 3/30/2023 1:10:00 PM

Lab ID: 2303F74-021

Matrix: SOIL

Received Date: 4/1/2023 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	1000	60		mg/Kg	20	4/7/2023 8:22:42 PM	74201
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	13	9.3		mg/Kg	1	4/8/2023 2:51:19 PM	74171
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	4/8/2023 2:51:19 PM	74171
Surr: DNOP	80.2	69-147		%Rec	1	4/8/2023 2:51:19 PM	74171
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/7/2023 8:21:07 PM	74149
Surr: BFB	96.1	37.7-212		%Rec	1	4/7/2023 8:21:07 PM	74149
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	4/7/2023 8:21:07 PM	74149
Toluene	ND	0.050		mg/Kg	1	4/7/2023 8:21:07 PM	74149
Ethylbenzene	ND	0.050		mg/Kg	1	4/7/2023 8:21:07 PM	74149
Xylenes, Total	ND	0.10		mg/Kg	1	4/7/2023 8:21:07 PM	74149
Surr: 4-Bromofluorobenzene	83.8	70-130		%Rec	1	4/7/2023 8:21:07 PM	74149

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

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

Analytical Report

Lab Order **2303F74**

Date Reported: **4/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-72

Project: Thomas 1 PL

Collection Date: 3/30/2023 1:12:00 PM

Lab ID: 2303F74-022

Matrix: SOIL

Received Date: 4/1/2023 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	2300	60		mg/Kg	20	4/7/2023 8:35:07 PM	74201
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	22	9.6		mg/Kg	1	4/8/2023 3:12:37 PM	74171
Motor Oil Range Organics (MRO)	61	48		mg/Kg	1	4/8/2023 3:12:37 PM	74171
Surr: DNOP	75.6	69-147		%Rec	1	4/8/2023 3:12:37 PM	74171
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/7/2023 8:44:38 PM	74149
Surr: BFB	97.3	37.7-212		%Rec	1	4/7/2023 8:44:38 PM	74149
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	4/7/2023 8:44:38 PM	74149
Toluene	ND	0.049		mg/Kg	1	4/7/2023 8:44:38 PM	74149
Ethylbenzene	ND	0.049		mg/Kg	1	4/7/2023 8:44:38 PM	74149
Xylenes, Total	ND	0.098		mg/Kg	1	4/7/2023 8:44:38 PM	74149
Surr: 4-Bromofluorobenzene	84.8	70-130		%Rec	1	4/7/2023 8:44:38 PM	74149

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

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

Analytical Report

Lab Order **2303F74**

Date Reported: **4/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-73

Project: Thomas 1 PL

Collection Date: 3/30/2023 1:14:00 PM

Lab ID: 2303F74-023

Matrix: SOIL

Received Date: 4/1/2023 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1100	60		mg/Kg	20	4/7/2023 3:30:34 PM	74205
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	16	9.6		mg/Kg	1	4/8/2023 3:44:35 PM	74171
Motor Oil Range Organics (MRO)	50	48		mg/Kg	1	4/8/2023 3:44:35 PM	74171
Surr: DNOP	85.6	69-147		%Rec	1	4/8/2023 3:44:35 PM	74171
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/7/2023 9:08:11 PM	74149
Surr: BFB	98.1	37.7-212		%Rec	1	4/7/2023 9:08:11 PM	74149
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	4/7/2023 9:08:11 PM	74149
Toluene	ND	0.049		mg/Kg	1	4/7/2023 9:08:11 PM	74149
Ethylbenzene	ND	0.049		mg/Kg	1	4/7/2023 9:08:11 PM	74149
Xylenes, Total	ND	0.099		mg/Kg	1	4/7/2023 9:08:11 PM	74149
Surr: 4-Bromofluorobenzene	84.3	70-130		%Rec	1	4/7/2023 9:08:11 PM	74149

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

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

Analytical Report

Lab Order **2303F74**

Date Reported: **4/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-74

Project: Thomas 1 PL

Collection Date: 3/30/2023 1:16:00 PM

Lab ID: 2303F74-024

Matrix: SOIL

Received Date: 4/1/2023 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1200	60		mg/Kg	20	4/7/2023 3:42:58 PM	74205
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	4/8/2023 4:16:28 PM	74171
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	4/8/2023 4:16:28 PM	74171
Surr: DNOP	81.2	69-147		%Rec	1	4/8/2023 4:16:28 PM	74171
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/7/2023 9:31:35 PM	74149
Surr: BFB	98.6	37.7-212		%Rec	1	4/7/2023 9:31:35 PM	74149
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	4/7/2023 9:31:35 PM	74149
Toluene	ND	0.048		mg/Kg	1	4/7/2023 9:31:35 PM	74149
Ethylbenzene	ND	0.048		mg/Kg	1	4/7/2023 9:31:35 PM	74149
Xylenes, Total	ND	0.096		mg/Kg	1	4/7/2023 9:31:35 PM	74149
Surr: 4-Bromofluorobenzene	85.1	70-130		%Rec	1	4/7/2023 9:31:35 PM	74149

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

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

Analytical Report

Lab Order **2303F74**

Date Reported: **4/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-75

Project: Thomas 1 PL

Collection Date: 3/30/2023 1:18:00 PM

Lab ID: 2303F74-025

Matrix: SOIL

Received Date: 4/1/2023 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	2400	150		mg/Kg	50	4/10/2023 12:49:09 PM	74205
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	19	9.7		mg/Kg	1	4/8/2023 4:37:41 PM	74171
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/8/2023 4:37:41 PM	74171
Surr: DNOP	96.4	69-147		%Rec	1	4/8/2023 4:37:41 PM	74171
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/7/2023 10:18:15 PM	74149
Surr: BFB	96.9	37.7-212		%Rec	1	4/7/2023 10:18:15 PM	74149
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	4/7/2023 10:18:15 PM	74149
Toluene	ND	0.049		mg/Kg	1	4/7/2023 10:18:15 PM	74149
Ethylbenzene	ND	0.049		mg/Kg	1	4/7/2023 10:18:15 PM	74149
Xylenes, Total	ND	0.097		mg/Kg	1	4/7/2023 10:18:15 PM	74149
Surr: 4-Bromofluorobenzene	83.8	70-130		%Rec	1	4/7/2023 10:18:15 PM	74149

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

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

Analytical Report

Lab Order **2303F74**

Date Reported: **4/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-76

Project: Thomas 1 PL

Collection Date: 3/30/2023 1:20:00 PM

Lab ID: 2303F74-026

Matrix: SOIL

Received Date: 4/1/2023 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	2300	150		mg/Kg	50	4/10/2023 1:01:33 PM	74205
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	140	9.6		mg/Kg	1	4/7/2023 11:26:00 PM	74172
Motor Oil Range Organics (MRO)	73	48		mg/Kg	1	4/7/2023 11:26:00 PM	74172
Surr: DNOP	75.1	69-147		%Rec	1	4/7/2023 11:26:00 PM	74172
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/8/2023 2:13:18 AM	74169
Surr: BFB	92.8	37.7-212		%Rec	1	4/8/2023 2:13:18 AM	74169
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	4/8/2023 2:13:18 AM	74169
Toluene	ND	0.049		mg/Kg	1	4/8/2023 2:13:18 AM	74169
Ethylbenzene	ND	0.049		mg/Kg	1	4/8/2023 2:13:18 AM	74169
Xylenes, Total	ND	0.098		mg/Kg	1	4/8/2023 2:13:18 AM	74169
Surr: 4-Bromofluorobenzene	79.5	70-130		%Rec	1	4/8/2023 2:13:18 AM	74169

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

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

Analytical Report

Lab Order **2303F74**

Date Reported: **4/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-77

Project: Thomas 1 PL

Collection Date: 3/30/2023 1:22:00 PM

Lab ID: 2303F74-027

Matrix: SOIL

Received Date: 4/1/2023 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1200	60		mg/Kg	20	4/7/2023 4:20:11 PM	74205
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	14	8.7		mg/Kg	1	4/10/2023 1:22:46 PM	74172
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	4/10/2023 1:22:46 PM	74172
Surr: DNOP	72.4	69-147		%Rec	1	4/10/2023 1:22:46 PM	74172
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/8/2023 3:23:32 AM	74169
Surr: BFB	96.4	37.7-212		%Rec	1	4/8/2023 3:23:32 AM	74169
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	4/8/2023 3:23:32 AM	74169
Toluene	ND	0.050		mg/Kg	1	4/8/2023 3:23:32 AM	74169
Ethylbenzene	ND	0.050		mg/Kg	1	4/8/2023 3:23:32 AM	74169
Xylenes, Total	ND	0.099		mg/Kg	1	4/8/2023 3:23:32 AM	74169
Surr: 4-Bromofluorobenzene	83.8	70-130		%Rec	1	4/8/2023 3:23:32 AM	74169

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

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

Analytical Report

Lab Order **2303F74**

Date Reported: **4/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-78

Project: Thomas 1 PL

Collection Date: 3/30/2023 1:24:00 PM

Lab ID: 2303F74-028

Matrix: SOIL

Received Date: 4/1/2023 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	2300	60		mg/Kg	20	4/7/2023 4:32:35 PM	74205
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	4/7/2023 11:57:29 PM	74172
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/7/2023 11:57:29 PM	74172
Surr: DNOP	87.4	69-147		%Rec	1	4/7/2023 11:57:29 PM	74172
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/8/2023 4:33:56 AM	74169
Surr: BFB	95.5	37.7-212		%Rec	1	4/8/2023 4:33:56 AM	74169
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	4/8/2023 4:33:56 AM	74169
Toluene	ND	0.047		mg/Kg	1	4/8/2023 4:33:56 AM	74169
Ethylbenzene	ND	0.047		mg/Kg	1	4/8/2023 4:33:56 AM	74169
Xylenes, Total	ND	0.095		mg/Kg	1	4/8/2023 4:33:56 AM	74169
Surr: 4-Bromofluorobenzene	81.4	70-130		%Rec	1	4/8/2023 4:33:56 AM	74169

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

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

Analytical Report

Lab Order **2303F74**

Date Reported: **4/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-79

Project: Thomas 1 PL

Collection Date: 3/30/2023 1:26:00 PM

Lab ID: 2303F74-029

Matrix: SOIL

Received Date: 4/1/2023 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	2400	60		mg/Kg	20	4/7/2023 4:45:00 PM	74205
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	200	8.7		mg/Kg	1	4/8/2023 12:18:28 AM	74172
Motor Oil Range Organics (MRO)	100	44		mg/Kg	1	4/8/2023 12:18:28 AM	74172
Surr: DNOP	83.8	69-147		%Rec	1	4/8/2023 12:18:28 AM	74172
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/8/2023 4:57:26 AM	74169
Surr: BFB	93.1	37.7-212		%Rec	1	4/8/2023 4:57:26 AM	74169
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	4/8/2023 4:57:26 AM	74169
Toluene	ND	0.048		mg/Kg	1	4/8/2023 4:57:26 AM	74169
Ethylbenzene	ND	0.048		mg/Kg	1	4/8/2023 4:57:26 AM	74169
Xylenes, Total	ND	0.095		mg/Kg	1	4/8/2023 4:57:26 AM	74169
Surr: 4-Bromofluorobenzene	79.6	70-130		%Rec	1	4/8/2023 4:57:26 AM	74169

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

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

Analytical Report

Lab Order **2303F74**

Date Reported: **4/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-80

Project: Thomas 1 PL

Collection Date: 3/30/2023 1:28:00 PM

Lab ID: 2303F74-030

Matrix: SOIL

Received Date: 4/1/2023 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	2400	150		mg/Kg	50	4/10/2023 1:13:58 PM	74205
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	11	9.3		mg/Kg	1	4/10/2023 1:50:12 PM	74172
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	4/10/2023 1:50:12 PM	74172
Surr: DNOP	72.4	69-147		%Rec	1	4/10/2023 1:50:12 PM	74172
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/8/2023 5:20:59 AM	74169
Surr: BFB	95.7	37.7-212		%Rec	1	4/8/2023 5:20:59 AM	74169
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	4/8/2023 5:20:59 AM	74169
Toluene	ND	0.049		mg/Kg	1	4/8/2023 5:20:59 AM	74169
Ethylbenzene	ND	0.049		mg/Kg	1	4/8/2023 5:20:59 AM	74169
Xylenes, Total	ND	0.099		mg/Kg	1	4/8/2023 5:20:59 AM	74169
Surr: 4-Bromofluorobenzene	81.9	70-130		%Rec	1	4/8/2023 5:20:59 AM	74169

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

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

Analytical Report

Lab Order **2303F74**

Date Reported: **4/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-81

Project: Thomas 1 PL

Collection Date: 3/30/2023 1:30:00 PM

Lab ID: 2303F74-031

Matrix: SOIL

Received Date: 4/1/2023 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	930	60		mg/Kg	20	4/7/2023 5:59:27 PM	74205
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	37	9.5		mg/Kg	1	4/10/2023 2:18:01 PM	74172
Motor Oil Range Organics (MRO)	88	47		mg/Kg	1	4/10/2023 2:18:01 PM	74172
Surr: DNOP	79.5	69-147		%Rec	1	4/10/2023 2:18:01 PM	74172
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/8/2023 5:44:25 AM	74169
Surr: BFB	95.6	37.7-212		%Rec	1	4/8/2023 5:44:25 AM	74169
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	4/8/2023 5:44:25 AM	74169
Toluene	ND	0.050		mg/Kg	1	4/8/2023 5:44:25 AM	74169
Ethylbenzene	ND	0.050		mg/Kg	1	4/8/2023 5:44:25 AM	74169
Xylenes, Total	ND	0.10		mg/Kg	1	4/8/2023 5:44:25 AM	74169
Surr: 4-Bromofluorobenzene	82.4	70-130		%Rec	1	4/8/2023 5:44:25 AM	74169

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

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

Analytical Report

Lab Order **2303F74**

Date Reported: **4/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-82

Project: Thomas 1 PL

Collection Date: 3/30/2023 1:32:00 PM

Lab ID: 2303F74-032

Matrix: SOIL

Received Date: 4/1/2023 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	2300	60		mg/Kg	20	4/7/2023 6:11:52 PM	74205
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	4/8/2023 12:39:25 AM	74172
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/8/2023 12:39:25 AM	74172
Surr: DNOP	84.8	69-147		%Rec	1	4/8/2023 12:39:25 AM	74172
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/8/2023 6:07:51 AM	74169
Surr: BFB	95.9	37.7-212		%Rec	1	4/8/2023 6:07:51 AM	74169
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.023		mg/Kg	1	4/8/2023 6:07:51 AM	74169
Toluene	ND	0.047		mg/Kg	1	4/8/2023 6:07:51 AM	74169
Ethylbenzene	ND	0.047		mg/Kg	1	4/8/2023 6:07:51 AM	74169
Xylenes, Total	ND	0.093		mg/Kg	1	4/8/2023 6:07:51 AM	74169
Surr: 4-Bromofluorobenzene	82.2	70-130		%Rec	1	4/8/2023 6:07:51 AM	74169

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

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

Analytical Report

Lab Order **2303F74**

Date Reported: **4/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: W-9

Project: Thomas 1 PL

Collection Date: 3/30/2023 2:00:00 PM

Lab ID: 2303F74-033

Matrix: SOIL

Received Date: 4/1/2023 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	370	60		mg/Kg	20	4/7/2023 6:24:16 PM	74205
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	4/8/2023 1:00:22 AM	74172
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	4/8/2023 1:00:22 AM	74172
Surr: DNOP	75.5	69-147		%Rec	1	4/8/2023 1:00:22 AM	74172
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/8/2023 6:31:17 AM	74169
Surr: BFB	96.5	37.7-212		%Rec	1	4/8/2023 6:31:17 AM	74169
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	4/8/2023 6:31:17 AM	74169
Toluene	ND	0.048		mg/Kg	1	4/8/2023 6:31:17 AM	74169
Ethylbenzene	ND	0.048		mg/Kg	1	4/8/2023 6:31:17 AM	74169
Xylenes, Total	ND	0.097		mg/Kg	1	4/8/2023 6:31:17 AM	74169
Surr: 4-Bromofluorobenzene	83.1	70-130		%Rec	1	4/8/2023 6:31:17 AM	74169

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

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

Analytical Report

Lab Order **2303F74**

Date Reported: **4/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: W-10

Project: Thomas 1 PL

Collection Date: 3/30/2023 2:02:00 PM

Lab ID: 2303F74-034

Matrix: SOIL

Received Date: 4/1/2023 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	460	60		mg/Kg	20	4/7/2023 6:36:40 PM	74205
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	4/8/2023 1:10:53 AM	74172
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/8/2023 1:10:53 AM	74172
Surr: DNOP	82.7	69-147		%Rec	1	4/8/2023 1:10:53 AM	74172
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/8/2023 6:54:44 AM	74169
Surr: BFB	98.3	37.7-212		%Rec	1	4/8/2023 6:54:44 AM	74169
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	4/8/2023 6:54:44 AM	74169
Toluene	ND	0.050		mg/Kg	1	4/8/2023 6:54:44 AM	74169
Ethylbenzene	ND	0.050		mg/Kg	1	4/8/2023 6:54:44 AM	74169
Xylenes, Total	ND	0.099		mg/Kg	1	4/8/2023 6:54:44 AM	74169
Surr: 4-Bromofluorobenzene	84.5	70-130		%Rec	1	4/8/2023 6:54:44 AM	74169

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

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

Analytical Report

Lab Order **2303F74**

Date Reported: **4/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: W-11

Project: Thomas 1 PL

Collection Date: 3/30/2023 2:04:00 PM

Lab ID: 2303F74-035

Matrix: SOIL

Received Date: 4/1/2023 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	330	60		mg/Kg	20	4/7/2023 6:49:05 PM	74205
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	4/8/2023 1:31:48 AM	74172
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/8/2023 1:31:48 AM	74172
Surr: DNOP	87.1	69-147		%Rec	1	4/8/2023 1:31:48 AM	74172
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/8/2023 7:18:13 AM	74169
Surr: BFB	94.9	37.7-212		%Rec	1	4/8/2023 7:18:13 AM	74169
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.023		mg/Kg	1	4/8/2023 7:18:13 AM	74169
Toluene	ND	0.047		mg/Kg	1	4/8/2023 7:18:13 AM	74169
Ethylbenzene	ND	0.047		mg/Kg	1	4/8/2023 7:18:13 AM	74169
Xylenes, Total	ND	0.094		mg/Kg	1	4/8/2023 7:18:13 AM	74169
Surr: 4-Bromofluorobenzene	81.1	70-130		%Rec	1	4/8/2023 7:18:13 AM	74169

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.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2303F74

13-Apr-23

Client: EOG
Project: Thomas 1 PL

Sample ID: LCS-74205	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 74205	RunNo: 95882								
Prep Date: 4/7/2023	Analysis Date: 4/7/2023	SeqNo: 3471414	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.0	90	110			

Sample ID: MB-74188	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 74188	RunNo: 95862								
Prep Date: 4/7/2023	Analysis Date: 4/7/2023	SeqNo: 3471486	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-74188	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 74188	RunNo: 95862								
Prep Date: 4/7/2023	Analysis Date: 4/7/2023	SeqNo: 3471487	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.1	90	110			

Sample ID: MB-74201	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 74201	RunNo: 95862								
Prep Date: 4/7/2023	Analysis Date: 4/7/2023	SeqNo: 3471518	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-74201	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 74201	RunNo: 95862								
Prep Date: 4/7/2023	Analysis Date: 4/7/2023	SeqNo: 3471519	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	100	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#: 2303F74

13-Apr-23

Client: EOG
Project: Thomas 1 PL

Sample ID: LCS-74171	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 74171		RunNo: 95870							
Prep Date: 4/6/2023	Analysis Date: 4/7/2023		SeqNo: 3471349		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	37	10	50.00	0	74.6	61.9	130			
Surr: DNOP	4.4		5.000		88.0	69	147			

Sample ID: LCS-74172	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 74172		RunNo: 95870							
Prep Date: 4/6/2023	Analysis Date: 4/7/2023		SeqNo: 3471351		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	39	10	50.00	0	77.7	61.9	130			
Surr: DNOP	4.4		5.000		88.7	69	147			

Sample ID: LCS-74174	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 74174		RunNo: 95870							
Prep Date: 4/6/2023	Analysis Date: 4/7/2023		SeqNo: 3471353		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	87.3	61.9	130			
Surr: DNOP	4.6		5.000		91.6	69	147			

Sample ID: MB-74171	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 74171		RunNo: 95870							
Prep Date: 4/6/2023	Analysis Date: 4/7/2023		SeqNo: 3471356		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.6		10.00		86.1	69	147			

Sample ID: MB-74172	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 74172		RunNo: 95870							
Prep Date: 4/6/2023	Analysis Date: 4/7/2023		SeqNo: 3471358		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.6		10.00		85.7	69	147			

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#: 2303F74

13-Apr-23

Client: EOG
Project: Thomas 1 PL

Sample ID: MB-74174	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 74174	RunNo: 95870								
Prep Date: 4/6/2023	Analysis Date: 4/7/2023	SeqNo: 3471360	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.6		10.00		86.5	69	147			

Sample ID: MB-74198	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 74198	RunNo: 95898								
Prep Date: 4/7/2023	Analysis Date: 4/10/2023	SeqNo: 3472268	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.3		10.00		83.4	69	147			

Sample ID: LCS-74198	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 74198	RunNo: 95898								
Prep Date: 4/7/2023	Analysis Date: 4/10/2023	SeqNo: 3472269	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.4		5.000		88.5	69	147			

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#: 2303F74

13-Apr-23

Client: EOG
Project: Thomas 1 PL

Sample ID: ics-74141	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 74141		RunNo: 95830							
Prep Date: 4/5/2023	Analysis Date: 4/7/2023		SeqNo: 3469617		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	19	5.0	25.00	0	76.1	70	130			
Surr: BFB	2000		1000		195	37.7	212			

Sample ID: mb-74141	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 74141		RunNo: 95830							
Prep Date: 4/5/2023	Analysis Date: 4/7/2023		SeqNo: 3469618		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		89.9	37.7	212			

Sample ID: ics-74149	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 74149		RunNo: 95869							
Prep Date: 4/5/2023	Analysis Date: 4/7/2023		SeqNo: 3470902		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	97.2	70	130			
Surr: BFB	1900		1000		189	37.7	212			

Sample ID: mb-74149	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 74149		RunNo: 95869							
Prep Date: 4/5/2023	Analysis Date: 4/7/2023		SeqNo: 3470903		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	990		1000		98.6	37.7	212			

Sample ID: ics-74186	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 74186		RunNo: 95861							
Prep Date: 4/6/2023	Analysis Date: 4/7/2023		SeqNo: 3471592		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	2000		1000		200	37.7	212			

Sample ID: mb-74186	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 74186		RunNo: 95861							
Prep Date: 4/6/2023	Analysis Date: 4/8/2023		SeqNo: 3471593		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	890		1000		88.8	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#: 2303F74

13-Apr-23

Client: EOG
Project: Thomas 1 PL

Sample ID: ics-74169	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 74169	RunNo: 95869								
Prep Date: 4/6/2023	Analysis Date: 4/8/2023	SeqNo: 3471788	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	93.0	70	130			
Surr: BFB	1800		1000		185	37.7	212			

Sample ID: ics-74179	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 74179	RunNo: 95869								
Prep Date: 4/6/2023	Analysis Date: 4/8/2023	SeqNo: 3471789	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1900		1000		185	37.7	212			

Sample ID: mb-74169	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 74169	RunNo: 95869								
Prep Date: 4/6/2023	Analysis Date: 4/8/2023	SeqNo: 3471790	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	980		1000		98.0	37.7	212			

Sample ID: mb-74179	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 74179	RunNo: 95869								
Prep Date: 4/6/2023	Analysis Date: 4/8/2023	SeqNo: 3471791	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	970		1000		96.7	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#: 2303F74

13-Apr-23

Client: EOG
Project: Thomas 1 PL

Sample ID: ics-74141	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 74141		RunNo: 95830							
Prep Date: 4/5/2023	Analysis Date: 4/7/2023		SeqNo: 3469624		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	89.3	80	120			
Toluene	0.90	0.050	1.000	0	89.8	80	120			
Ethylbenzene	0.88	0.050	1.000	0	87.7	80	120			
Xylenes, Total	2.6	0.10	3.000	0	86.7	80	120			
Surr: 4-Bromofluorobenzene	0.92		1.000		91.7	70	130			

Sample ID: mb-74141	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 74141		RunNo: 95830							
Prep Date: 4/5/2023	Analysis Date: 4/7/2023		SeqNo: 3469625		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		90.6	70	130			

Sample ID: LCS-74149	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 74149		RunNo: 95869							
Prep Date: 4/5/2023	Analysis Date: 4/7/2023		SeqNo: 3470909		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.025	1.000	0	88.4	80	120			
Toluene	0.89	0.050	1.000	0	88.7	80	120			
Ethylbenzene	0.88	0.050	1.000	0	88.4	80	120			
Xylenes, Total	2.6	0.10	3.000	0	88.3	80	120			
Surr: 4-Bromofluorobenzene	0.88		1.000		88.0	70	130			

Sample ID: mb-74149	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 74149		RunNo: 95869							
Prep Date: 4/5/2023	Analysis Date: 4/7/2023		SeqNo: 3470910		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	0.86		1.000		86.1	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#: 2303F74

13-Apr-23

Client: EOG
Project: Thomas 1 PL

Sample ID: ics-74186	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 74186		RunNo: 95861							
Prep Date: 4/6/2023	Analysis Date: 4/8/2023		SeqNo: 3471696				Units: %Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.91		1.000		91.0	70	130			

Sample ID: mb-74186	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 74186		RunNo: 95861							
Prep Date: 4/6/2023	Analysis Date: 4/8/2023		SeqNo: 3471699				Units: %Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.88		1.000		88.1	70	130			

Sample ID: LCS-74169	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 74169		RunNo: 95869							
Prep Date: 4/6/2023	Analysis Date: 4/8/2023		SeqNo: 3471852				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	84.5	80	120			
Toluene	0.86	0.050	1.000	0	86.1	80	120			
Ethylbenzene	0.85	0.050	1.000	0	85.0	80	120			
Xylenes, Total	2.5	0.10	3.000	0	83.9	80	120			
Surr: 4-Bromofluorobenzene	0.84		1.000		84.4	70	130			

Sample ID: mb-74169	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 74169		RunNo: 95869							
Prep Date: 4/6/2023	Analysis Date: 4/8/2023		SeqNo: 3471854				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	0.84		1.000		84.3	70	130			

Sample ID: LCS-74179	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 74179		RunNo: 95869							
Prep Date: 4/6/2023	Analysis Date: 4/8/2023		SeqNo: 3473502				Units: %Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.84		1.000		84.2	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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2303F74

13-Apr-23

Client: EOG
Project: Thomas 1 PL

Sample ID: mb-74179	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 74179	RunNo: 95869								
Prep Date: 4/6/2023	Analysis Date: 4/8/2023	SeqNo: 3473503	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.83		1.000		83.3	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of 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: 2303F74 RcptNo: 1

Received By: Cheyenne Cason 4/1/2023 8:50:00 AM
Completed By: Cheyenne Cason 4/1/2023 9:20:45 AM
Reviewed By: TMC 4/1/23

Chain of Custody

1. Is Chain of Custody complete? Yes [checked] No [] Not Present []

2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes [checked] No [] NA []

4. Were all samples received at a temperature of >0° C to 6.0°C Yes [checked] No [] NA []

5. Sample(s) in proper container(s)? Yes [checked] No []

6. Sufficient sample volume for indicated test(s)? Yes [checked] No []

7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No []

8. Was preservative added to bottles? Yes [] No [checked] NA []

9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [] No [] NA [checked]

10. Were any sample containers received broken? Yes [] No [checked]

11. Does paperwork match bottle labels? Yes [checked] No []

12. Are matrices correctly identified on Chain of Custody? Yes [checked] No []

13. Is it clear what analyses were requested? Yes [checked] No []

14. Were all holding times able to be met? Yes [checked] No []

of preserved bottles checked for pH: (<2 or >12 unless noted)
Adjusted?
Checked by: TMC 4/1/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes [] No [] NA [checked]

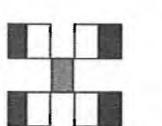
Person Notified: [] Date: []
By Whom: [] Via: [] eMail [] Phone [] Fax [] In Person []
Regarding: []
Client Instructions: []

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 2.6, Good, Not Present, Yogi, ,

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



Project Name: THOMAS #1 PL
 Project #: 5375
 Project Manager: W. Kierdorf

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

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX (8021)	TPH:8015D(GRO / DRO / MRO)	Chloride (EPA 300)
3/30/23	1130	Soil	B-51	1 x 4oz Jar	ICE	2303F74	X	X	X
	1132		B-52						
	1134		B-53						
	1136		B-54						
	1138		B-55						
	1140		B-56						
	1142		B-57						
	1144		B-58						
	1146		B-59						
	1148		B-60						
	1150		B-61						
	1152		B-62						

Project Name: THOMAS #1 PL
 Project #: 5375
 Project Manager: W. Kierdorf
 Sampler: A. Martinez
 On Ice: Yes No (Log)
 # of Coolers: ()
 Cooler Temp (including CP): 2.7 - 0.1 = 2.6
 Received by: [Signature] Date: 3/31/23 Time: 0821
 Relinquished by: [Signature] Date: 3/31/23 Time: 1900

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

Remarks: Bill to EOG Artesia

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)

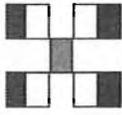
Accreditation: Az Compliance

NELAC Other

EDD (Type) Excel

Date	Time	Matrix	Sample Name
3-30-23	1154	Soil	B-63
	1156		B-64
	1158		B-65
	1300		B-66
	1302		B-67
	1304		B-68
	1306		B-69
	1308		B-70
	1310		B-71
	1312		B-72
	1314		B-73
	1316		B-74

Date	Time	Relinquished by:
3-31-23	0927	<i>[Signature]</i>
3/31/23	0900	<i>[Signature]</i>

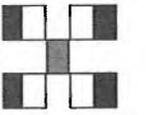


Project #: 5375
 Project Name: THOMAS #1 PL
 Project Manager: W. Kierdorf

Analysis Request

Container Type and #	Preservative Type	HEAL No.	On Ice:	Yes	No
1x 4oz Jar	ICE	2303F74	<input checked="" type="checkbox"/>		
		013	<input checked="" type="checkbox"/>		
		014	<input checked="" type="checkbox"/>		
		015	<input checked="" type="checkbox"/>		
		016	<input checked="" type="checkbox"/>		
		017	<input checked="" type="checkbox"/>		
		018	<input checked="" type="checkbox"/>		
		019	<input checked="" type="checkbox"/>		
		020	<input checked="" type="checkbox"/>		
		021	<input checked="" type="checkbox"/>		
		023 022	<input checked="" type="checkbox"/>		
		023	<input checked="" type="checkbox"/>		
		024	<input checked="" type="checkbox"/>		

Remarks: Bill to EOG Artesia



Received **10/13/2023 9:38:29 AM** **RECORA**
 Client: EOG-Artesia / Ranger Env.

Project Name: **THOMAS #1 PL**
 Project #: 5375
 Project Manager: W. Kierdorf

Standard Rush **5 DAY TAT**
 Project Name: **THOMAS #1 PL**
 Project #: 5375

Project Manager: W. Kierdorf
 Sampler: **J. Martinez**
 On Ice: Yes No **Yog**
 # of Coolers: **1**
 Cooler Temp (including CF): **2, 7, 0, 12, 2, 6**

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

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
3-30-23	1318	Soil	B-75	1x402)er	ICE	2308E74
	1320		B-76			025
	1322		B-77			026
	1324		B-78			027
	1326		B-79			028
	1328		B-80			029
	1330		B-81			030
	1332		B-82			031
	1400		B-83 W-9			032
	1402		W-10			033
	1404		W-11			034
						035

Analysis Request
 BTEX (8021) Chloride (EPA 300)
 TPH:8015D(GRO / DRO / MRO)
 Received by: **[Signature]** Date: **3/31/23** Time: **0927**
 Relinquished by: **[Signature]** Date: **3/30/23** Time: **0927**
 Received by: **[Signature]** Date: **4/11/27** Time: **0850**
 Relinquished by: **[Signature]** Date: **4/11/27** Time: **0850**
 Remarks: Bill to EOG Artesia



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

May 18, 2023

Will Kierdorf

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX:

RE: Thomas 1 Pl

OrderNo.: 2305682

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 11 sample(s) on 5/12/2023 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 in a cursive style.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order **2305682**

Date Reported: **5/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH3A-W1A

Project: Thomas 1 Pl

Collection Date: 5/10/2023 1:15:00 PM

Lab ID: 2305682-001

Matrix: MEOH (SOIL) **Received Date:** 5/12/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	1300	60		mg/Kg	20	5/13/2023 1:31:36 AM	74931
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	ND	8.6		mg/Kg	1	5/15/2023 1:08:32 PM	74914
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	5/15/2023 1:08:32 PM	74914
Surr: DNOP	75.6	69-147		%Rec	1	5/15/2023 1:08:32 PM	74914
EPA METHOD 8015D: GASOLINE RANGE							Analyst: KMN
Gasoline Range Organics (GRO)	ND	3.2		mg/Kg	1	5/12/2023 1:48:00 PM	GS96713
Surr: BFB	86.3	15-244		%Rec	1	5/12/2023 1:48:00 PM	GS96713
EPA METHOD 8021B: VOLATILES							Analyst: KMN
Benzene	ND	0.016		mg/Kg	1	5/12/2023 1:48:00 PM	BS96713
Toluene	ND	0.032		mg/Kg	1	5/12/2023 1:48:00 PM	BS96713
Ethylbenzene	ND	0.032		mg/Kg	1	5/12/2023 1:48:00 PM	BS96713
Xylenes, Total	ND	0.063		mg/Kg	1	5/12/2023 1:48:00 PM	BS96713
Surr: 4-Bromofluorobenzene	84.8	39.1-146		%Rec	1	5/12/2023 1:48:00 PM	BS96713

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

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

Analytical Report

Lab Order **2305682**

Date Reported: **5/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH3A-W2A

Project: Thomas 1 Pl

Collection Date: 5/10/2023 1:18:00 PM

Lab ID: 2305682-002

Matrix: MEOH (SOIL) **Received Date:** 5/12/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	1000	61		mg/Kg	20	5/13/2023 1:44:00 AM	74931
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	24	9.6		mg/Kg	1	5/12/2023 2:55:54 PM	74914
Motor Oil Range Organics (MRO)	50	48		mg/Kg	1	5/12/2023 2:55:54 PM	74914
Surr: DNOP	80.7	69-147		%Rec	1	5/12/2023 2:55:54 PM	74914
EPA METHOD 8015D: GASOLINE RANGE							Analyst: KMN
Gasoline Range Organics (GRO)	ND	3.5		mg/Kg	1	5/12/2023 2:10:00 PM	GS96713
Surr: BFB	85.9	15-244		%Rec	1	5/12/2023 2:10:00 PM	GS96713
EPA METHOD 8021B: VOLATILES							Analyst: KMN
Benzene	ND	0.018		mg/Kg	1	5/12/2023 2:10:00 PM	BS96713
Toluene	ND	0.035		mg/Kg	1	5/12/2023 2:10:00 PM	BS96713
Ethylbenzene	ND	0.035		mg/Kg	1	5/12/2023 2:10:00 PM	BS96713
Xylenes, Total	ND	0.071		mg/Kg	1	5/12/2023 2:10:00 PM	BS96713
Surr: 4-Bromofluorobenzene	83.6	39.1-146		%Rec	1	5/12/2023 2:10:00 PM	BS96713

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

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

Analytical Report

Lab Order **2305682**

Date Reported: **5/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH3A-W3A

Project: Thomas 1 Pl

Collection Date: 5/10/2023 1:20:00 PM

Lab ID: 2305682-003

Matrix: MEOH (SOIL) **Received Date:** 5/12/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	2300	150		mg/Kg	50	5/13/2023 6:15:10 PM	74931
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	5/12/2023 6:06:23 PM	74914
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/12/2023 6:06:23 PM	74914
Surr: DNOP	71.0	69-147		%Rec	1	5/12/2023 6:06:23 PM	74914
EPA METHOD 8015D: GASOLINE RANGE							Analyst: KMN
Gasoline Range Organics (GRO)	ND	3.3		mg/Kg	1	5/12/2023 2:32:00 PM	GS96713
Surr: BFB	83.9	15-244		%Rec	1	5/12/2023 2:32:00 PM	GS96713
EPA METHOD 8021B: VOLATILES							Analyst: KMN
Benzene	ND	0.017		mg/Kg	1	5/12/2023 2:32:00 PM	BS96713
Toluene	ND	0.033		mg/Kg	1	5/12/2023 2:32:00 PM	BS96713
Ethylbenzene	ND	0.033		mg/Kg	1	5/12/2023 2:32:00 PM	BS96713
Xylenes, Total	ND	0.066		mg/Kg	1	5/12/2023 2:32:00 PM	BS96713
Surr: 4-Bromofluorobenzene	84.6	39.1-146		%Rec	1	5/12/2023 2:32:00 PM	BS96713

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

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

Analytical Report

Lab Order **2305682**

Date Reported: **5/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH3A-B1A

Project: Thomas 1 Pl

Collection Date: 5/10/2023 2:20:00 PM

Lab ID: 2305682-004

Matrix: MEOH (SOIL) **Received Date:** 5/12/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	1600	60		mg/Kg	20	5/13/2023 2:08:49 AM	74931
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	5/12/2023 6:17:23 PM	74914
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	5/12/2023 6:17:23 PM	74914
Surr: DNOP	72.1	69-147		%Rec	1	5/12/2023 6:17:23 PM	74914
EPA METHOD 8015D: GASOLINE RANGE							Analyst: KMN
Gasoline Range Organics (GRO)	ND	3.5		mg/Kg	1	5/12/2023 2:53:00 PM	GS96713
Surr: BFB	89.7	15-244		%Rec	1	5/12/2023 2:53:00 PM	GS96713
EPA METHOD 8021B: VOLATILES							Analyst: KMN
Benzene	ND	0.018		mg/Kg	1	5/12/2023 2:53:00 PM	BS96713
Toluene	ND	0.035		mg/Kg	1	5/12/2023 2:53:00 PM	BS96713
Ethylbenzene	ND	0.035		mg/Kg	1	5/12/2023 2:53:00 PM	BS96713
Xylenes, Total	ND	0.070		mg/Kg	1	5/12/2023 2:53:00 PM	BS96713
Surr: 4-Bromofluorobenzene	84.7	39.1-146		%Rec	1	5/12/2023 2:53:00 PM	BS96713

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

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

Analytical Report

Lab Order **2305682**

Date Reported: **5/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH3A-B2A

Project: Thomas 1 Pl

Collection Date: 5/10/2023 2:24:00 PM

Lab ID: 2305682-005

Matrix: MEOH (SOIL) **Received Date:** 5/12/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	1400	60		mg/Kg	20	5/13/2023 2:21:14 AM	74931
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	5/12/2023 6:28:26 PM	74914
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	5/12/2023 6:28:26 PM	74914
Surr: DNOP	72.5	69-147		%Rec	1	5/12/2023 6:28:26 PM	74914
EPA METHOD 8015D: GASOLINE RANGE							Analyst: KMN
Gasoline Range Organics (GRO)	ND	3.1		mg/Kg	1	5/12/2023 3:15:00 PM	GS96713
Surr: BFB	87.9	15-244		%Rec	1	5/12/2023 3:15:00 PM	GS96713
EPA METHOD 8021B: VOLATILES							Analyst: KMN
Benzene	ND	0.016		mg/Kg	1	5/12/2023 3:15:00 PM	BS96713
Toluene	ND	0.031		mg/Kg	1	5/12/2023 3:15:00 PM	BS96713
Ethylbenzene	ND	0.031		mg/Kg	1	5/12/2023 3:15:00 PM	BS96713
Xylenes, Total	ND	0.063		mg/Kg	1	5/12/2023 3:15:00 PM	BS96713
Surr: 4-Bromofluorobenzene	85.6	39.1-146		%Rec	1	5/12/2023 3:15:00 PM	BS96713

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

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

Analytical Report

Lab Order **2305682**

Date Reported: **5/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH3A-B3A

Project: Thomas 1 Pl

Collection Date: 5/10/2023 2:26:00 PM

Lab ID: 2305682-006

Matrix: MEOH (SOIL) **Received Date:** 5/12/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	2400	150		mg/Kg	50	5/13/2023 6:27:34 PM	74931
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	8.7		mg/Kg	1	5/12/2023 6:39:41 PM	74914
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	5/12/2023 6:39:41 PM	74914
Surr: DNOP	71.1	69-147		%Rec	1	5/12/2023 6:39:41 PM	74914
EPA METHOD 8015D: GASOLINE RANGE							Analyst: KMN
Gasoline Range Organics (GRO)	ND	3.9		mg/Kg	1	5/12/2023 3:37:00 PM	GS96713
Surr: BFB	85.8	15-244		%Rec	1	5/12/2023 3:37:00 PM	GS96713
EPA METHOD 8021B: VOLATILES							Analyst: KMN
Benzene	ND	0.019		mg/Kg	1	5/12/2023 3:37:00 PM	BS96713
Toluene	ND	0.039		mg/Kg	1	5/12/2023 3:37:00 PM	BS96713
Ethylbenzene	ND	0.039		mg/Kg	1	5/12/2023 3:37:00 PM	BS96713
Xylenes, Total	ND	0.077		mg/Kg	1	5/12/2023 3:37:00 PM	BS96713
Surr: 4-Bromofluorobenzene	84.2	39.1-146		%Rec	1	5/12/2023 3:37:00 PM	BS96713

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

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

Analytical Report

Lab Order **2305682**

Date Reported: **5/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH3A-B4A

Project: Thomas 1 Pl

Collection Date: 5/10/2023 2:30:00 PM

Lab ID: 2305682-007

Matrix: MEOH (SOIL) **Received Date:** 5/12/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	1900	60		mg/Kg	20	5/13/2023 3:10:51 AM	74931
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	5/12/2023 6:50:48 PM	74914
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	5/12/2023 6:50:48 PM	74914
Surr: DNOP	70.5	69-147		%Rec	1	5/12/2023 6:50:48 PM	74914
EPA METHOD 8015D: GASOLINE RANGE							Analyst: KMN
Gasoline Range Organics (GRO)	ND	3.4		mg/Kg	1	5/12/2023 4:20:00 PM	GS96713
Surr: BFB	83.5	15-244		%Rec	1	5/12/2023 4:20:00 PM	GS96713
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.017		mg/Kg	1	5/16/2023 7:49:00 AM	B96758
Toluene	ND	0.034		mg/Kg	1	5/16/2023 7:49:00 AM	B96758
Ethylbenzene	ND	0.034		mg/Kg	1	5/16/2023 7:49:00 AM	B96758
Xylenes, Total	ND	0.067		mg/Kg	1	5/16/2023 7:49:00 AM	B96758
Surr: 4-Bromofluorobenzene	84.4	39.1-146		%Rec	1	5/16/2023 7:49:00 AM	B96758

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

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

Analytical Report

Lab Order **2305682**

Date Reported: **5/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH3A-B5A

Project: Thomas 1 Pl

Collection Date: 5/10/2023 2:32:00 PM

Lab ID: 2305682-008

Matrix: MEOH (SOIL) **Received Date:** 5/12/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	1600	60		mg/Kg	20	5/13/2023 3:23:16 AM	74931
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	8.3		mg/Kg	1	5/12/2023 7:01:54 PM	74914
Motor Oil Range Organics (MRO)	ND	42		mg/Kg	1	5/12/2023 7:01:54 PM	74914
Surr: DNOP	89.7	69-147		%Rec	1	5/12/2023 7:01:54 PM	74914
EPA METHOD 8015D: GASOLINE RANGE							Analyst: KMN
Gasoline Range Organics (GRO)	ND	3.4		mg/Kg	1	5/12/2023 4:42:00 PM	GS96713
Surr: BFB	82.3	15-244		%Rec	1	5/12/2023 4:42:00 PM	GS96713
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.017		mg/Kg	1	5/16/2023 8:10:00 AM	B96758
Toluene	ND	0.034		mg/Kg	1	5/16/2023 8:10:00 AM	B96758
Ethylbenzene	ND	0.034		mg/Kg	1	5/16/2023 8:10:00 AM	B96758
Xylenes, Total	ND	0.069		mg/Kg	1	5/16/2023 8:10:00 AM	B96758
Surr: 4-Bromofluorobenzene	83.9	39.1-146		%Rec	1	5/16/2023 8:10:00 AM	B96758

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

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

Analytical Report

Lab Order **2305682**

Date Reported: **5/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH3A-B6A

Project: Thomas 1 Pl

Collection Date: 5/10/2023 2:34:00 PM

Lab ID: 2305682-009

Matrix: MEOH (SOIL) **Received Date:** 5/12/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	2300	60		mg/Kg	20	5/13/2023 3:35:41 AM	74931
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	5/12/2023 7:12:59 PM	74914
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	5/12/2023 7:12:59 PM	74914
Surr: DNOP	81.5	69-147		%Rec	1	5/12/2023 7:12:59 PM	74914
EPA METHOD 8015D: GASOLINE RANGE							Analyst: KMN
Gasoline Range Organics (GRO)	ND	2.9		mg/Kg	1	5/12/2023 5:03:00 PM	GS96713
Surr: BFB	84.9	15-244		%Rec	1	5/12/2023 5:03:00 PM	GS96713
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.014		mg/Kg	1	5/16/2023 8:32:00 AM	B96758
Toluene	ND	0.029		mg/Kg	1	5/16/2023 8:32:00 AM	B96758
Ethylbenzene	ND	0.029		mg/Kg	1	5/16/2023 8:32:00 AM	B96758
Xylenes, Total	ND	0.057		mg/Kg	1	5/16/2023 8:32:00 AM	B96758
Surr: 4-Bromofluorobenzene	85.6	39.1-146		%Rec	1	5/16/2023 8:32:00 AM	B96758

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

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

Analytical Report

Lab Order **2305682**

Date Reported: **5/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH3A-B7A

Project: Thomas 1 Pl

Collection Date: 5/10/2023 2:36:00 PM

Lab ID: 2305682-010

Matrix: MEOH (SOIL) **Received Date:** 5/12/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	2700	150		mg/Kg	50	5/13/2023 6:39:59 PM	74931
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	5/12/2023 7:24:01 PM	74914
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	5/12/2023 7:24:01 PM	74914
Surr: DNOP	79.5	69-147		%Rec	1	5/12/2023 7:24:01 PM	74914
EPA METHOD 8015D: GASOLINE RANGE							Analyst: KMN
Gasoline Range Organics (GRO)	ND	3.7		mg/Kg	1	5/12/2023 5:25:00 PM	GS96713
Surr: BFB	86.2	15-244		%Rec	1	5/12/2023 5:25:00 PM	GS96713
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.019		mg/Kg	1	5/16/2023 8:54:00 AM	B96758
Toluene	ND	0.037		mg/Kg	1	5/16/2023 8:54:00 AM	B96758
Ethylbenzene	ND	0.037		mg/Kg	1	5/16/2023 8:54:00 AM	B96758
Xylenes, Total	ND	0.075		mg/Kg	1	5/16/2023 8:54:00 AM	B96758
Surr: 4-Bromofluorobenzene	87.2	39.1-146		%Rec	1	5/16/2023 8:54:00 AM	B96758

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

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

Analytical Report

Lab Order **2305682**

Date Reported: **5/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH3A-B8A

Project: Thomas 1 Pl

Collection Date: 5/10/2023 2:38:00 PM

Lab ID: 2305682-011

Matrix: MEOH (SOIL) **Received Date:** 5/12/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	1400	60		mg/Kg	20	5/13/2023 4:00:30 AM	74931
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	5/12/2023 7:35:04 PM	74914
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	5/12/2023 7:35:04 PM	74914
Surr: DNOP	76.0	69-147		%Rec	1	5/12/2023 7:35:04 PM	74914
EPA METHOD 8015D: GASOLINE RANGE							Analyst: KMN
Gasoline Range Organics (GRO)	ND	3.4		mg/Kg	1	5/12/2023 5:47:00 PM	GS96713
Surr: BFB	85.0	15-244		%Rec	1	5/12/2023 5:47:00 PM	GS96713
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.017		mg/Kg	1	5/16/2023 9:15:00 AM	B96758
Toluene	ND	0.034		mg/Kg	1	5/16/2023 9:15:00 AM	B96758
Ethylbenzene	ND	0.034		mg/Kg	1	5/16/2023 9:15:00 AM	B96758
Xylenes, Total	ND	0.068		mg/Kg	1	5/16/2023 9:15:00 AM	B96758
Surr: 4-Bromofluorobenzene	83.6	39.1-146		%Rec	1	5/16/2023 9:15:00 AM	B96758

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.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2305682

18-May-23

Client: EOG
Project: Thomas 1 Pl

Sample ID: MB-74931	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 74931	RunNo: 96724								
Prep Date: 5/12/2023	Analysis Date: 5/12/2023	SeqNo: 3507891	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-74931	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 74931	RunNo: 96724								
Prep Date: 5/12/2023	Analysis Date: 5/12/2023	SeqNo: 3507892	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.3	90	110			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2305682

18-May-23

Client: EOG
Project: Thomas 1 Pl

Sample ID: LCS-74914	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 74914	RunNo: 96715								
Prep Date: 5/12/2023	Analysis Date: 5/12/2023	SeqNo: 3507272	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	95.2	61.9	130			
Surr: DNOP	4.6		5.000		92.1	69	147			

Sample ID: MB-74914	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 74914	RunNo: 96715								
Prep Date: 5/12/2023	Analysis Date: 5/12/2023	SeqNo: 3507273	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		103	69	147			

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#: 2305682

18-May-23

Client: EOG
Project: Thomas 1 Pl

Sample ID: 2.5ug gro lcs	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: GS96713	RunNo: 96713								
Prep Date:	Analysis Date: 5/12/2023	SeqNo: 3507220			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	25.00	0	83.7	70	130			
Surr: BFB	2100		1000		205	15	244			

Sample ID: mb	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: GS96713	RunNo: 96713								
Prep Date:	Analysis Date: 5/12/2023	SeqNo: 3507235			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	910		1000		90.6	15	244			

Sample ID: mb-74896	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 74896	RunNo: 96758								
Prep Date: 5/11/2023	Analysis Date: 5/15/2023	SeqNo: 3509390			Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	870		1000		87.1	15	244			

Sample ID: lcs-74896	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 74896	RunNo: 96758								
Prep Date: 5/11/2023	Analysis Date: 5/15/2023	SeqNo: 3509391			Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1900		1000		189	15	244			

Sample ID: 2.5ug gro lcs	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: R96758	RunNo: 96758								
Prep Date:	Analysis Date: 5/15/2023	SeqNo: 3509840			Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	2200		1000		217	15	244			

Sample ID: mb	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: R96758	RunNo: 96758								
Prep Date:	Analysis Date: 5/15/2023	SeqNo: 3509841			Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	960		1000		95.6	15	244			

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#: 2305682

18-May-23

Client: EOG
Project: Thomas 1 Pl

Sample ID: 100ng btex lcs	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: BS96713		RunNo: 96713							
Prep Date:	Analysis Date: 5/12/2023		SeqNo: 3507229		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	84.0	70	130			
Toluene	0.85	0.050	1.000	0	85.4	70	130			
Ethylbenzene	0.86	0.050	1.000	0	85.6	70	130			
Xylenes, Total	2.6	0.10	3.000	0	85.8	70	130			
Surr: 4-Bromofluorobenzene	0.97		1.000		97.0	39.1	146			

Sample ID: mb	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: BS96713		RunNo: 96713							
Prep Date:	Analysis Date: 5/12/2023		SeqNo: 3507237		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	0.93		1.000		93.4	39.1	146			

Sample ID: mb-74896	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 74896		RunNo: 96758							
Prep Date: 5/11/2023	Analysis Date: 5/15/2023		SeqNo: 3509443		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.85		1.000		84.7	39.1	146			

Sample ID: lcs-74896	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 74896		RunNo: 96758							
Prep Date: 5/11/2023	Analysis Date: 5/15/2023		SeqNo: 3509444		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.87		1.000		87.0	39.1	146			

Sample ID: 100ng btex lcs	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: B96758		RunNo: 96758							
Prep Date:	Analysis Date: 5/15/2023		SeqNo: 3509842		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	1.000	0	90.3	70	130			
Toluene	0.92	0.050	1.000	0	91.7	70	130			
Ethylbenzene	0.92	0.050	1.000	0	92.0	70	130			
Xylenes, Total	2.7	0.10	3.000	0	91.5	70	130			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2305682

18-May-23

Client: EOG
Project: Thomas 1 Pl

Sample ID: 100ng btex lcs	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: B96758	RunNo: 96758								
Prep Date:	Analysis Date: 5/15/2023	SeqNo: 3509842			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.94		1.000		94.3	39.1	146			

Sample ID: mb	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: B96758	RunNo: 96758								
Prep Date:	Analysis Date: 5/15/2023	SeqNo: 3509843			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	0.95		1.000		94.7	39.1	146			

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: 2305682 RcptNo: 1

Received By: Juan Rojas 5/12/2023 7:30:00 AM
Completed By: Cheyenne Cason 5/12/2023 8:19:39 AM
Reviewed By: SA 5-12-23

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [] Not Present []
2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [] NA []
4. Were all samples received at a temperature of >0° C to 6.0°C Yes [checked] No [] NA []
5. Sample(s) in proper container(s)? Yes [checked] No []
6. Sufficient sample volume for indicated test(s)? Yes [checked] No []
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No []
8. Was preservative added to bottles? Yes [] No [checked] NA []
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [] No [] NA [checked]
10. Were any sample containers received broken? Yes [] No [checked]
11. Does paperwork match bottle labels? Yes [checked] No []
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No []
13. Is it clear what analyses were requested? Yes [checked] No []
14. Were all holding times able to be met? Yes [checked] No []

of preserved bottles checked for pH:
Adjusted?
Checked by: JMC 5/12/23

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [] No [] NA [checked]

Person Notified:
By Whom:
Regarding:
Client Instructions: Phone number, mailing address, and Email are missing on COC- TMC 5/4/23

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 0.7, Good, Not Present, Morty, ,

Standard Rush 24 hr
 Project Name: Thomas #1 PL
 Project #: 5375

Project Manager: W. Kierdorf
 Sampler: J. Martinez
 On Ice: Yes No Monty
 # of Coolers: 1
 Cooler Temp (including cpl): 0.6 to 1.0. 7

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

Analysis Request
 BTEX (8021)
 TPH:8015D(GRO / DRO / MRO)
 Chloride (EPA 300)

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
5-10-23	1315	Soil	TH3A-W1A	1x402 Jar	ICE	230568Z
	1318		TH3A-W2A			002
	1320		TH3A-W3A			003
	1420		TH3A-B1A			004
	1424		TH3A-B2A			005
	1426		TH3A-B3A			006
	1432		TH3A-B4A			007
	1434		TH3A-B5A			008
	1436		TH3A-B6A			009
	1438		TH3A-B7A			010
			TH3A-B8A			011
						012

Received by: [Signature] Date: 5/11/23 Time: 1446
 Relinquished by: [Signature] Date: 5/11/23 Time: 1900
 Received by: [Signature] Date: 5/12/23 Time: 7:30
 Relinquished by: [Signature] Date: 5/12/23 Time: 7:30

Remarks: Bill to EOG Artesia



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

May 19, 2023

WILL KIERDORF

RANGER ENVIRONMENTAL SERVICES, INC.

PO BOX 201179

AUSTIN, TX 78729

RE: THOMAS #1 PIPELINE

Enclosed are the results of analyses for samples received by the laboratory on 05/19/23 12:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	05/19/2023	Sampling Date:	05/19/2023
Reported:	05/19/2023	Sampling Type:	Soil
Project Name:	THOMAS #1 PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: TH3A - W4A (H232560-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/19/2023	ND	2.35	117	2.00	1.76	
Toluene*	<0.050	0.050	05/19/2023	ND	2.33	116	2.00	0.784	
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.25	112	2.00	1.63	
Total Xylenes*	<0.150	0.150	05/19/2023	ND	6.80	113	6.00	1.71	
Total BTEX	<0.300	0.300	05/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1200	16.0	05/19/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2023	ND	164	81.9	200	1.15	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	173	86.4	200	2.97	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 92.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	05/19/2023	Sampling Date:	05/19/2023
Reported:	05/19/2023	Sampling Type:	Soil
Project Name:	THOMAS #1 PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: TH3A - W5A (H232560-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/19/2023	ND	2.35	117	2.00	1.76	
Toluene*	<0.050	0.050	05/19/2023	ND	2.33	116	2.00	0.784	
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.25	112	2.00	1.63	
Total Xylenes*	<0.150	0.150	05/19/2023	ND	6.80	113	6.00	1.71	
Total BTEX	<0.300	0.300	05/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1620	16.0	05/19/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2023	ND	164	81.9	200	1.15	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	173	86.4	200	2.97	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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* = Accredited Analyte

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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	05/19/2023	Sampling Date:	05/19/2023
Reported:	05/19/2023	Sampling Type:	Soil
Project Name:	THOMAS #1 PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: TH3A - W6A (H232560-03)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/19/2023	ND	2.35	117	2.00	1.76	
Toluene*	<0.050	0.050	05/19/2023	ND	2.33	116	2.00	0.784	
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.25	112	2.00	1.63	
Total Xylenes*	<0.150	0.150	05/19/2023	ND	6.80	113	6.00	1.71	
Total BTEX	<0.300	0.300	05/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2680	16.0	05/19/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2023	ND	164	81.9	200	1.15	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	173	86.4	200	2.97	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 88.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.4 % 49.1-148

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*=Accredited Analyte

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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	05/19/2023	Sampling Date:	05/19/2023
Reported:	05/19/2023	Sampling Type:	Soil
Project Name:	THOMAS #1 PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: TH3A - W7A (H232560-04)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/19/2023	ND	2.35	117	2.00	1.76	
Toluene*	<0.050	0.050	05/19/2023	ND	2.33	116	2.00	0.784	
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.25	112	2.00	1.63	
Total Xylenes*	<0.150	0.150	05/19/2023	ND	6.80	113	6.00	1.71	
Total BTEX	<0.300	0.300	05/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1960	16.0	05/19/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2023	ND	198	99.0	200	1.82	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	204	102	200	0.362	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	05/19/2023	Sampling Date:	05/19/2023
Reported:	05/19/2023	Sampling Type:	Soil
Project Name:	THOMAS #1 PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: TH3A - W8A (H232560-05)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/19/2023	ND	2.35	117	2.00	1.76		
Toluene*	<0.050	0.050	05/19/2023	ND	2.33	116	2.00	0.784		
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.25	112	2.00	1.63		
Total Xylenes*	<0.150	0.150	05/19/2023	ND	6.80	113	6.00	1.71		
Total BTEX	<0.300	0.300	05/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1760	16.0	05/19/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/19/2023	ND	198	99.0	200	1.82		
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	204	102	200	0.362		
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND						

Surrogate: 1-Chlorooctane 95.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.5 % 49.1-148

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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	05/19/2023	Sampling Date:	05/19/2023
Reported:	05/19/2023	Sampling Type:	Soil
Project Name:	THOMAS #1 PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: TH3A - W9A (H232560-06)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/19/2023	ND	2.35	117	2.00	1.76	
Toluene*	<0.050	0.050	05/19/2023	ND	2.33	116	2.00	0.784	
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.25	112	2.00	1.63	
Total Xylenes*	<0.150	0.150	05/19/2023	ND	6.80	113	6.00	1.71	
Total BTEX	<0.300	0.300	05/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1520	16.0	05/19/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2023	ND	198	99.0	200	1.82	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	204	102	200	0.362	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	05/19/2023	Sampling Date:	05/19/2023
Reported:	05/19/2023	Sampling Type:	Soil
Project Name:	THOMAS #1 PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: TH3A - W10A (H232560-07)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/19/2023	ND	2.35	117	2.00	1.76	
Toluene*	<0.050	0.050	05/19/2023	ND	2.33	116	2.00	0.784	
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.25	112	2.00	1.63	
Total Xylenes*	<0.150	0.150	05/19/2023	ND	6.80	113	6.00	1.71	
Total BTEX	<0.300	0.300	05/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1340	16.0	05/19/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2023	ND	170	84.8	200	8.13	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	156	78.0	200	12.0	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 125 % 48.2-134

Surrogate: 1-Chlorooctadecane 134 % 49.1-148

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Notes and Definitions

- BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

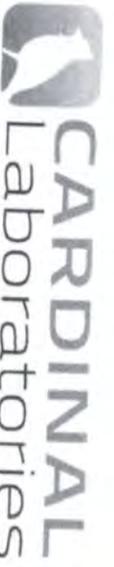
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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
 (575) 393-2326 FAX (575) 393-2476

Company Name: Ranger Environmental Services, Inc.
 Project Manager: Will Klendorf

Address: PO Box 201179
 City: Austin State: TX Zip: 78720

Phone #: 512-289-3272 Fax #: 512-335-0527

Project #: 5375 Project Owner: Thomas #1 Pipeline

Project Location: Eddy County, NM
 Sampler Name: J. Martinez

BILL TO

P.O. #: Company: EOG Artesia
 Attn: Chase Settle

Address: 104 S. 4th St.
 City: Artesia

State: NM Zip: 88210
 Phone #: Fax #:

ANALYSIS REQUEST

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	TPH: (8015) EXT	BTEX (8021B)	Chloride (SM 4500)
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
H233510	TH3A-W4A	G	1	X							05/19/23	0840	X	X	X
	TH3A-W5A			X							05/19/23	0842	X	X	X
	TH3A-W6A			X							05/19/23	0844	X	X	X
	TH3A-W7A			X							05/19/23	0900	X	X	X
	TH3A-W8A			X							05/19/23	0902	X	X	X
	TH3A-W9A			X							05/19/23	0904	X	X	X
	TH3A-W10A			X							05/19/23	0906	X	X	X

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Relinquished By: J. Martinez
 Date: 5-19-23
 Time: 1200

Received By: [Signature]
 Date: [Blank]
 Time: [Blank]

Phone Result: Yes No Add'l Phone #: _____
 Fax Result: Yes No Add'l Fax #: _____

REMARKS: SAME DAY RETURN

Delivered By: (Circle One)		Sample Condition		CHECKED BY:
Sampler - UPS - Bus - Other:		Cool <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	(Initials) 

s. Please fax written changes to 575-393-2476

FORM-006 R 2.0

ATTACHMENT 4 – NMOCD CORRESPONDENCE

From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Tuesday, March 7, 2023 7:48 AM
To: 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: Thomas 1 Pipeline (nAPP2305245917) Sampling Notification

Good morning,

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

Thomas 1 Pipeline
G-8-19S-25E
Eddy County, NM
nAPP2305245917

Sampling will begin at 8:30 a.m. on Thursday, March 9, 2023.

Thank you,

Tina Huerta
Regulatory Specialist
Direct: 575.748.4168
Cell: 575.703.3121
Email: tina_huerta@eogresources.com



Artesia Division

From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Monday, March 27, 2023 7:46 AM
To: ocd.enviro@emnr.dnm.gov
Cc: Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>; Artesia Regulatory <Artesia_Regulatory@eogresources.com>
Subject: Thomas 1 Pipeline (nAPP2305245917) Sampling Notification

Good morning,

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

Thomas 1 Pipeline
G-8-19S-25E
Eddy County, NM
nAPP2305245917

Sampling will begin at 9:00 a.m. on Wednesday, March 29, 2023.

Thank you.

Tina Huerta
Regulatory Specialist
Direct: 575.748.4168
Cell: 575.703.3121
Email: tina_huerta@eogresources.com



Artesia Division

From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Thursday, May 4, 2023 12:59 PM
To: 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: Thomas 1 Pipeline (nAPP2305245917) Sampling Notification

Good afternoon,

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

Thomas 1 Pipeline
G-8-19S-25E
Eddy County, NM
nAPP2305245917

Sampling will begin at 8:00 a.m. on Tuesday, May 9, 2023, and will continue through Thursday, May 11, 2023.

Thank you,

Tina Huerta
Regulatory Specialist
Direct: 575.748.4168
Cell: 575.703.3121
Email: tina.huerta@eogresources.com



Artesia Division

From: Miriam Morales <Miriam_Morales@eogresources.com>
Sent: Wednesday, May 17, 2023 8:46 AM
To: 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: Thomas 1 Pipeline (nAPP2305245917) Sampling Notification

Good morning,

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

Thomas 1 Pipeline
G-8-19S-25E
Eddy County, NM
nAPP2305245917

Sampling will begin at 8:30 a.m. on Friday, May 19, 2023.

Thank you,

Miriam Morales

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 219308

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 219308
	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 #NAPP2305245917 THOMAS #1 PIPELINE, thank you. This closure is approved.	10/13/2023